



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

Criterion: 3 Research, Innovations and Extension

3.5 Consultancy

3.5.1 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs)

S.No	Description	Page No
1	Certificate of Head of the Institution	2
2	List of Consultancy Projects for last five years	3
3	2021-2022	9
4	2020-2021	116
5	2019-2020	244
6	2018-2019	444
7	2017-2018	620



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TO WHOMSOEVER IT MAY CONSERN

This is to certify that the total amount generated from consultancy and corporate training for last five years are given below:

Year	2021-2022	2020-2021	2019-2020	2018-2019	2017-2018
Number of MoUs (INR in lakhs)	9.55	40.34	13.28	23.55	15.32

PRINCIPAL

Dr. S. RAMABALAN, M.E., Ph.D.,

PRINCIPAL

E.G.S. Pillay Engineering College,

Thethi, Nagore - 611 002.

Nagapattinam (Dt) Tamil Nadu.



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List of consultancy projects during the last five years (INR in Lakhs)

S.No	Name of the teacher-consultants	Name of consultancy project/corporate training program	Consulting/Sponsoring agency with contact details	Year	Revenue generated	Number of trainees
2021-2022						
1.	Dr.S.Siva Kumar, Mr.Arjunan.A	Planning structural design&estimation	Salaya construction-Nagapattinam	2021-22	3,91,760	2
2.	Dr.S.Siva Kumar, Mr.Arjunan.A	Planning structural design&estimation	Salaya construction-Nagapattinam	2021-22	2,93,820	2
3.	Dr.S.Manikandan , Dr.K.ManikandaKumar , Mr.V.M.Suresh	Captcha Based Authentication for website	Vei Technologies , Chennai	2021-22	2,00,000	4
4.	Dr.J.Vanitha, Mrs.C.Mallika	ERP	D. G. Government Arts College for Women Dharumapuram Road Mayiladuthurai Nagapattinam, Tamil Nadu 609001	2021-22	70,000	2
2020-2021						
5.	Dr.S.Ramabalan	Development of Robotic joint	Sixth sense Robotics and Automations Pvt Ltd, Ambattur, Chennai	2020-21	12,50,000	1
6.	Dr.S.Siva Kumar, Mr.Arjunan.A	Planning structural design&estimation	Salaya construction-Nagapattinam	2020-21	5,87,640	2
7.	K. Kalaivani J. NoorulAmeen	Medical Lab Data Management System	Selvaa's Diagnostics and Healthcare Private Limited, Nagapattinam	2020-21	80,000	2
8.	P. Anandaraj M. Rajakumaran	Travel Booking system	Sundaraman Travels, Nagapattinam	2020-21	83,000	2
9.	Dr. K. Balasubramanian S. Praveen Kumar	Employee Training Tracking System	RIPE Consultancy Services, Chennai	2020-21	1,08,000	2
10	Dr. M. Priya	Vision based Activity Monitoring	VI Technology, Chennai	2020-21	85,000	1

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		for Surveillances Applications				
11	M. Markco	Payroll Processing System	St.Joseph Nursery & Primary School, Vaikaalvettu, Nagapattinam	2020-21	50,000	1
12	Dr. V. Sathya	development of motion controller for Robot joint	Sixth sense Robotics and Automations Pvt Ltd, Ambattur, Chennai	2020-21	12,00,000	1
13	Dr.M.Vijayakumar, Dr.V.Mohan	Advanced security Siren with GSM Technology	Interlogicx Embedded Solutions	2020-21	2,25,000	2
14	Dr.M.Vijayakumar, Dr.T.SureshPadmanaban	Semi-Automatic Oil Bottle Filling Machine	Devi Industries Coimbatore	2020-21	2,00,000	2
15	Dr.M.Vijayakumar, R.Anandaraj	Touchfree temperature Monitoring System	Indiguard System Pvt Ltd, Thanjavur	2020-21	95,000	2
16	Mr.sC.Mallika	Krishna supermarket inventory management system	Sri Krishna Supermarket Asn Colony, Melakottaivasal, Nagapattinam Collectorate, Nagapattinam - 611003	2020-21	70,600	1
2019-2020						
17	Dr.Sivakumar,V.Srinivasan	Pravadayan River	ONGC,Niravi,Karaikal	2019-20	45,000	2
18	Dr.Sivakumar,V.Srinivasan	Combined Court Building	ONGC,Niravi,Karaikal	2019-20	45,000	2
19	Dr.Sivakumar,V.Srinivasan	L.S. Material Testing,Karaikal	PWD,Karaikal	2019-20	83,200	2
20	Dr.Sivakumar,V.Srinivasan	Construction Materials,Testing road material testing and steel	ONGC,Niravi,Karaikal	2019-20	1,28,600	2
21	Dr.S.Anand Kumar Varma, Mr.Arjunan.A	Cube testing ,RCC M30	PWD,Karaikal	2019-20	1,500	2
22	Dr.S.Siva Kumar, Mr.Arjunan.A	Steel testing ,RCC M30	PWD,Karaikal	2019-20	8,000	2
23	Dr.S.Siva Kumar,	Cement and steel	PWD,Karaikal	2019-20	18,000	2

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	Mr.Arjunan.A	testing ,RCC M31				
24	Dr.S.Siva Kumar, Mr.Arjunan.A	4 set of cube testing ,RCC M32	PWD,Karaikal	2019-20	6,000	2
25	Dr.S.Siva Kumar, Mr.Arjunan.A	Steel testing, RCC M32	PWD,Karaikal	2019-20	6,000	2
26	Dr.S.Siva Kumar, Mr.Arjunan.A	Wet Mix Macadam Samples 3 Nos	PWD,Nagapattinam	2019-20	19,400	2
27	Dr.S.Siva Kumar, Mr.Arjunan.A	GSP	PWD,Nagapattinam	2019-20	24,250	2
28	Dr.S.Siva Kumar, Mr.Arjunan.A	Blanket Course samples (3S)	PWD,Nagapattinam	2019-20	7,500	2
29	Dr.S.Siva Kumar, Mr.Arjunan.A	Gravel samples (3S)	PWD,Nagapattinam	2019-20	15,250	2
30	Dr.S.Siva Kumar, Mr.Arjunan.A	Soil Sample	PWD,Nagapattinam	2019-20	10,550	2
31	Dr.S.Siva Kumar, Mr.Arjunan.A	Soil Sample	PWD,Nagapattinam	2019-20	10,550	2
32	Dr.P.Vijayalakshmi , Ms.K.Nagalakshmi, Mr.V.M.Suresh , Mr.R.AnandBabu	Online Travel Booking System	Afeshee Travel , vedharranyam	2019-20	1,20,000	4
33	Dr T. Ganesan G. Arul Selvan	Textile shop Billing System	Rich Trends Men's Wear, Poraiyar	2019-20	85,000	2
34	Dr. N. Murali B. Ranjani	Attendance Monitoring System	St.Joseph Nursery & Primary School, Vaikaalvettu, Nagapattinam	2019-20	92,000	2
35	Dr. R. Manivannan B. Ranjani	Inventory Management system for Super market	Sri Krishna Supermarket, Nagapattinam	2019-20	70,600	2
36	P. Vennila	Hospital Management System	Dr.Murugesan Private Hospital, Sikkal	2019-20	85,000	1
37	Dr.Ambika A. Rajesh	Mobile shop management System	JVR Mobile Sales and Services, Kutthalam	2019-20	75,000	2
38	Dr. S. Kannan A. Baskar	Fertilizer stock management System	Amithran Traders,Orathanadu	2019-20	1,15,000	2
39	Dr.Vijayakumar, Dr.V.Mohan	Automatic water tank pump	Smart mind Technologies,	2019-20	1,65,000	2

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		controller with SMS system	Coimbatore			
40	Dr.Vijayakumar, S.Sivamani	Microcontroller based TouchfreeSanitizer Dispenser	Indiguard system Pvt Ltd, Thanjavur	2019-20	85,000	2
41	Mrs.A.Hema, Mr.S.Selvaganapathy	Cable TV operator billing management system	SRI SAI CABLE TV CABLE VISION, No 4, VKV Complex, Sirangudipuliyur, Bypass Rd, Nagore, Sikkal, Tamil Nadu 611104	2019-20	7,022	2
2018-2019						
42	Dr.Sivakumar,V.Srinivasan	RCC Retaining Wall to arrest Water Seepage in the north side pond in SOS Village	SOS Children's Villages India	2018-19	7,04,000	2
43	Dr.P.Vijayalakshmi , Ms.K.Nagalakshmi , Mr.R.AnandBabu	Online Travel Booking System	Rajiya Travels , Thiruthoraipondi	2018-19	1,20,000	3
44	M. Rajakumaran	Shoe Store Billing System	Ayya Shoe and Furniture Mart, Thiruthuraipoondi	2018-19	95,000	1
45	Dr.M.Vijayakumar, K.Krishnaram, Naveen Antony	Automatic and SMS based irrigation field motor control system	Device control systems, Coimbatore	2018-19	1,15,000	3
46	Dr.M.Vijayakumar, Dr.V.Mohan, Suresh Babu	Electrical Appliances controller using Android App with Bluetooth	Evolvicx Technology Solution, Thanjavur	2018-19	78,000	2
47	Dr.M.Vijayakumar, Dr.T.SureshPadmanaban, K. Nanthakumar	Electrical Appliances control using IOT	Device control systems, Coimbatore	2018-19	82,000	3
48	K.Marimuthu, G.Gurumoorthy	Awareness and Hands on training of Fire and Safety	Delta Leonis Building Solutions, Chennai	2018-19	1,50,000	2
49	S.Chokkalingam, G.Surendar	Consultancy work of Automobile Wheel Alignment	Sri Lakshmi Motors Tanjore	2018-19	1,40,000	2

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50	A.Arunkumar	Hands on training of radiography Techniques for Engineering Students	Students from Various technical Institutions	2018-19	2,00,000	1
51	J.Jeevamalar	Short term training on hypermesh and ANSYS for Engineering Students	Students from Various technical Institutions	2018-19	1,50,000	1
52	N.Manikandan, S.Murugesh	Modelling Automobiles Components	Project Tech Solutions, Nagapattinam	2018-19	1,00,000	2
53	Harish Keerthi, Balasubramanian	Design of heat sealing fixtures for Speedo meter case	KITE-ESS, Coimbatore	2018-19	1,20,000	2
54	B.Manikandan	Design and Fabrication of Motorised Shutter	Sri Gurudev Automobiles	2018-19	1,50,000	1
55	S.Krishnamohan	Material Testing using strength of material Lab	Various technical Institutions and Industry	2018-19	1,15,000	1
56	Mrs.J.Vanitha, Prof/HOD.MCA, Mrs.C.Mallika AP/MCA	Online booking and bus tracking system	TNSTC OFFICE, Karaikal Pin Code 609602	2018-19	36,000	2
2017-2018						
57	Dr.Sivakumar,V.Sri nivasan	RCC Retaining Wall to arrest Water Seepage in the north side pond in SOS Village	SOS Children's Villages India	2017-18	7,68,000	2
58	Dr.Sivakumar,V.Sri nivasan	Dampness Painting Treatment Work in SOS Village,Nagapattinam	SOS Children's Villages India	2017-18	7,20,000	2
59	Mrs.S.Visalatchy, Ms.N.ilakkiya	Autogenic exam scheduling system	Exam cell , EGPSEC , Nagapattinam	2017-18	44,269	2

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Consultancy services
(Department of Civil Engineering)

Ref. No. EGSPEC/MT/4084/2020

Date: 06.02.2020

- 1. Name of the Client : **The SALYA Construction.,**
20, Nadayar East Road,
Nagapattinam - 611109
Tamilnadu
- 2. Client Reference No : SALYA/EGS/NGT/2020-21/002 dated 30.01.2020
- 3. Project : Construction of Sidhar Kovil School Building, Vadakku Poigainallur,
Nagapattinam.
- 4. Sample details : UDS sample Soil [2 Nos. Location-A & Location- B]
- 5. Sample received : 31.01.2020
- 6. Sample test date : 01.02.2020
- 7. Test conducted by : Mr. A. Arjunan. Assistant Professor.
- 8. Test verified by : Dr.R, Sivakumar, Professor.

Encl: Test Report



[Handwritten Signature]
6/2/20

Head of the Dept.
Dr. R. Sivakumar
Head of the Department
Department of Civil Engineering
E.G.S. Pillay Engineering College
Nagapattinam - 611 002.



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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MT/4082/2020

Date: 06.02.2020

SAFE BEARING CAPACITY OF SOIL

(IS: 6403 - 1981)

To
The SALYA Construction.,
20, Nadavar East street,
Nagapattinam - 611109
Tamilnadu

Project: Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Date of Sample: 31.01.2020

Date of Tested: 01.02.2020

Location- A

A		<u>ABSTRACT</u>	
1	Natural ground level	M	: 0.000
2	Foundation level	M	: 2.100
3	Depth of foundation	M	: 2.100
4	Grain size Analysis:		
	Gravel	%	: 0.0
	Coarse sand	%	: 3.2
	Medium sand	%	: 7.5
	Fine sand	%	: 27.5
	Silt & clay	%	: 61.8
5	Atterberg's Limits:		
	Liquid limit	%	: 31.22
	Plastic limit	%	: 15.25
	Plasticity Index		: 15.97
6	Soil (IS) classification		: CH
7	Natural moisture content	%	: 17.11
8	Bulk density	g/cc	: 1.855
	Dry density	g/cc	: 1.584
9	Shear parameters		
	Cohesion (C)	Kg/cm ²	: 0.01
	Angle of internal friction (ϕ)		: 24.32
			[24° 19']
10	Net Ultimate safe bearing capacity (q_{nu})	T/Sqm	: 46.99
11	Safe Bearing Capacity (q_{ds})	T/Sqm	: 15.7

154 KN/sq.m

Supervised by

Note:

- Any correction without attestation will invalidate this certificate
- The results relate only to the samples tested



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
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Conti.,



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B FORMULA AS PER IS:6403-1981

Net ultimate bearing capacity

$$q_{nu} = C N_c d_c s_c i_c + g D (N_q - 1) d_q s_q i_q + 0.5g B N_g d_g s_g i_g W'$$

N_c, N_q, N_g = Bearing capacity factors

g = Unit weight of soil below foundation base.

D = Depth of foundation

W' = Water table correction factor

S_c, S_q, S_g = Shape factor

For Strip footing

$S_c, S_q, S_g = 1$

For Rectangular footing

$S_c = 1 + 0.2 B/L, S_q = 1 + 0.2 B/L$ & $S_g = 1 - 0.4 B/L$

For Square footing

$S_c = 1.3, S_q = 1.2$ & $S_g = 0.8$

For Circular footing

$S_c = 1.3, S_q = 1.2$ & $S_g = 0.6$

d_c, d_q, d_g = Depth-factor

(Note: Correction factor is to be applied only when backfilling is done with proper compaction)

$d_c = 1 + 0.2 \times (D_f / B) \tan (45^\circ + \phi' / 2)$

$d_q = d_g = 1$ for $\phi' < 10^\circ$

$d_q = d_g = 1 + 0.1 \times (D_f / B) \tan (45^\circ + \phi' / 2)$ for $\phi' > 10^\circ$

i_c, i_q, i_g = Inclination factor for the load inclined at an angle to the vertical.

$i_c = i_q = (1 - \alpha^\circ / 90^\circ)^2$

$i_g = (1 - \alpha^\circ / \phi')^2$

α° = inclination of the load with the vertical

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C. ANALYSIS

Type of failure : General shear failure

1	Assume Cohesion C	c	: 0.10	Kg/Sqm	=: 1.0	T/Sqm
2	Angle of internal friction	ϕ	: 24.32			
3	Width of foundation	B	: 1.30	M		
4	Length of foundation	L	: 1.30	M		
5	Bearing capacity factors					
			: 24.32	°		
		N_c	: 19.92		20	25
		N_q	: 10.08		14.83	20.72
		N_g	: 10.13		6.40	10.66
					5.39	10.88
6	Shape factors					
		S_c	: 1.20			
		S_q	: 1.20			
		S_g	: 0.60			
7	Depth factors					
8	Inclination factors	$d_c = d_q = d_g$: 1			
9	Water table correction factor	$i_c = i_q = i_g$: 1			
10	Unit weight of soil	w'	: 0.3			
11	Depth of foundation	g	: 1.855	g/cc	=: 1.855	T/Cum
12	Assume width	D	: 2.100	M		
13	Net Ultimate bearing capacity	B	: 1.3	M		
		$C N_c d_c s_c i_c$	(a) : 2.34	T/Sqm		
		$g D (N_q - 1) d_q s_q i_q$	(b) : 42.45	T/Sqm		
		$0.5 g B N_g d_g s_g i_g W'$	(c) : 2.20	T/Sqm		
14	Factor of safety	q_{nu} a+b+c	: 46.99	T/Sqm		
		F_s	: 3.0			
15	Safe bearing capacity q_{ds}	q_{nu} / F_s	: 15.66	T/Sqm		

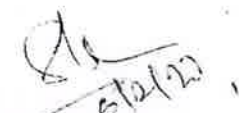
154 KN/sq.m

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Consultancy services

(Department of Civil Engineering)

Ref. No. EGSPEC/MT/4083/2020

Date: 06.02.2020

SAFE BEARING CAPACITY OF SOIL

(IS: 6403 - 1981)

To

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Tamilnadu

Project: Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Date of Sample: 31.01.2020

Date of Tested: 01.02.2020

Location- A

<u>A</u>		<u>ABSTRACT</u>	
1	Natural ground level	M	: 0.000
2	Foundation level	M	: 2.000
3	Depth of foundation	M	: 2.000
4	Grain size Analysis:		
	Gravel	%	: 0.0
	Coarse sand	%	: 3.2
	Medium sand	%	: 7.2
	Fine sand	%	: 28.6
	Silt & clay	%	: 61.0
5	Atterberg's Limits:		
	Liquid limit	%	: 30.98
	Plastic limit	%	: 14.55
	Plasticity Index		: 16.43
6	Soil (IS) classification		: CH
7	Natural moisture content	%	: 18.26
8	Bulk density	g/cc	: 1.849
	Dry density	g/cc	: 1.564
9	Shear parameters		
	Cohesion (C)	Kg/cm ²	: 0.01
	Angle of internal friction (ϕ)	°	: 24.15
10	Net Ultimate safe bearing capacity (q_{nu})	T/Sqm	: 44.13
11	Safe Bearing Capacity (q_{ds})	T/Sqm	: 14.7

[24° 9']

144 KN/sq.m

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B FORMULA AS PER IS:6403-1981

Net ultimate bearing capacity

$$q_{nu} = C N_c d_c s_c i_c + g D (N_q - 1) d_q s_q i_q + 0.5g B N_g d_g s_g i_g W'$$

N_c, N_q, N_g = Bearing capacity factors

g = Unit weight of soil below foundation base.

D = Depth of foundation

W' = Water table correction factor

S_c, S_q, S_g = Shape factor

For Strip footing

$$S_c, S_q, S_g = 1$$

For Rectangular footing

$$S_c = 1 + 0.2 B/L, S_q = 1 + 0.2 B/L \text{ \& } S_g = 1 - 0.4 B/L$$

For Square footing

$$S_c = 1.3, S_q = 1.2 \text{ \& } S_g = 0.8$$

For Circular footing

$$S_c = 1.3, S_q = 1.2 \text{ \& } S_g = 0.6$$

d_c, d_q, d_g = Depth-factor

(Note: Correction factor is to be applied only when backfilling is done with proper compaction)

$$d_c = 1 + 0.2 \times (D_f / B) \tan (45^\circ + \phi' / 2)$$

$$d_q = d_g = 1 \text{ for } \phi' < 10^\circ$$

$$d_q = d_g = 1 + 0.1 \times (D_f / B) \tan (45^\circ + \phi' / 2) \text{ for } \phi' > 10^\circ$$

i_c, i_q, i_g = Inclination factor for the load inclined at an angle to the vertical.

$$i_c = i_q = (1 - \alpha^\circ / 90^\circ)^2$$

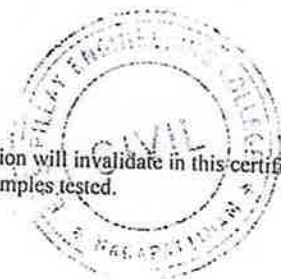
$$i_g = (1 - \alpha^\circ / \phi')^2$$

α° = inclination of the load with the vertical

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C. ANALYSIS

Type of failure : General shear failure

1	Assume Cohesion C	c	: 0.10	Kg/Sqm	= : 1.0	T/Sqm
2	Angle of internal friction	ϕ	: 24.15			
3	Width of foundation	B	: 1.30	M		
4	Length of foundation	L	: 1.30	M		
5	Bearing capacity factors					
			: 24.15	°		
		N_c	: 19.72		20	25
		N_q	: 9.94		14.83	20.72
		N_g	: 9.95		6.40	10.66
6	Shape factors				5.39	10.88
		S_c	: 1.20			
		S_q	: 1.20			
		S_g	: 0.60			
7	Depth factors					
8	Inclination factors	$d_c = d_q = d_g$: 1			
9	Water table correction factor	$i_c = i_q = i_g$: 1			
10	Unit weight of soil	w'	: 0.3			
11	Depth of foundation	g	: 1.849	g/cc	= : 1.849	T/Cum
12	Assume width	D	: 2.000	M		
		B	: 1.3	M		
13	Net Ultimate bearing capacity					
		$C N_c d_c s_c i_c$	(a)	: 2.32	T/Sqm	
		$g D (N_q - 1) d_q s_q i_q$	(b)	: 39.65	T/Sqm	
		$0.5 g B N_g d_g s_g i_g W'$	(c)	: 2.15	T/Sqm	
		q_{nu}	a+b+c	: 44.13	T/Sqm	
14	Factor of safety	F_s	: 3.0			
15	Safe bearing capacity q_{ds}	q_{nu} / F_s	: 14.71	T/Sqm		


144 KN/sq.m

Supervised by

Note:

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Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagapattinam.



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Consultancy services
(Department of Civil Engineering)

Ref. No. EGSPEC/MT/4095/1/2020

Date: 12.02.2020

CONCRETE MIX DESIGN [M25 RCC]
(IS 10262-2019 & IS 456-2000)

To
The SALYA Construction.,
20, Nadavar East street,
Nagapattinam - 611109
Tamilnadu.

Name of Work: : Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Client Reference : SALYA/EGS/NGT/2020-21/002 DATED 30.01.2020

Requested on : 03.02.2020

Concrete Mix Design date: 11.02.2020

SOURCES OF MATERIALS

1	Coarse aggregate: 20mm & 12.5mm	: Best Blue Metal, Karur
2	Fine aggregate: M-Sand	: Best Blue Metal, Karur
3	Cement brand	: Dalmia Cement
4	Admixture brand	: Sika India Pvt Ltd.,

DESIGN STIPULATIONS

1	Grade Designation	: M25 RCC
2	Type of cement	: OPC-53 Grade
3	Max. Nominal Size of aggregate	: 20mm
4	Minimum Cement Content	: 320 Kg/cu.m
5	Maximum Water cement ratio	: 0.45
6	Workability	: 25 - 75mm
7	Exposure conditions	: Moderate
8	Maximum temperature of concrete at the time of placing	: 40°C
9	Method of transporting / placing	: Transit mixture / Self Loading Mixer
10	Early age strength requirement (if reqd.)	: Not Applicable
11	Type of aggregate	: Angular
12	Maximum Cement content	: 450 Kg/Cum
13	Type of admixture	: Super plasticizer cum retarder

A. M. 12.2.2020



Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering



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TEST DATA FOR MATERIALS

Proportion of Coarse aggregate : Fine aggregate

1	% of C/A to the total weight of aggregate	:	58%
2	% of F/A to the total weight of aggregate	:	42%
Proportions in C/A:			
3	% of 20 mm	:	45%
4	% of 12.5 mm	:	65%
5	Specific gravity of 20 mm	:	2.833
6	Specific gravity of 12.5 mm	:	2.817
7	Combined specific gravity of C/A	:	2.824
8	Water absorption of 20 mm	:	0.365%
9	Water absorption of 12.5 mm	:	0.478%
10	Free surface moisture of 20 mm	:	0.00%
11	Free surface moisture of 12.5 mm	:	0.00%
12	Specific gravity of M-Sand	:	2.727
13	Water absorption of M-Sand	:	1.023%
14	Free surface moisture of M-Sand	:	1.20%
15	Specific Gravity of Cement	:	3.148
16	Specific Gravity of Admixture	:	1.18

MIX CALCULATION

1	Target Mean strength	:	31.60 N/mm ²
2	Water Cement ratio	:	0.44
3	Mass of cement	:	370.00 Kg
4	Mass of water	:	163.000 Kg
5	Dosage of chemical admixture	:	0.70%
6	Mass of chemical admixture	:	2.590 Kg

A.M. 12.2.2020



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Cont.,

<u>VOLUME OF CONCRETE</u>		:	1.000 Cum
1	Volume of cement	:	0.118 Cum
2	Volume of Water	:	0.163 Cum
3	Volume of Chemical admixture	:	0.002 Cum
4	Volume of all-in-aggregate	:	0.717 Cum
5	Mass of coarse aggregate	:	1175 Kg
	Mass of 20mm	:	529 Kg
	Mass of 12.5mm	:	646 Kg
6	Mass of Fine aggregate (M-Sand)	:	822 Kg

MIX PROPORTION

Ingredients	Per m ³ in SSD Condition	Per bag of cement in SSD Condition
	Kg.	Kg.
Cement	370	50.0
Water	163	22.0
Fine aggregate (M-Sand)	822	97.7
20mm	529	62.9
12.5mm	646	76.8
Chemical admixture	2.590	0.35

Proportion:	Cement	F/A	C/A	Water Cement ratio
	1	2.22	3.18	0.44

Slump Retention

	Initial	30'	60'	90'
Slump observation(mm)	168,170	142,135	108,105	72,70
Date of Casting	11.02.2020			
No. of Cubes casted	12 No's			

Temperature of Mix: 31.2 °C

Observations: Mix is cohesive

Workability: Good

Supervised by

Note:

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Professor & Head
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Nagapattinam.



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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MT/4275/2021

Date: 14.01.2021

COMPRESSIVE STRENGTH OF CONCRETE CUBES [RCC M25]

[As per IS:516]

To

The SALYA Construction.,

20, Nadavar East street,

Nagapattinam - 611109

Tamilnadu.

Name of Work: : Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Client Reference : SALYA/EGS/NGT/2021-22/005 DATED 07.01.2021

Part of Structure : Column C1

Grade of Concrete : RCC M25

Characteristic Compressive Strength: 25 N/mm²

Date of Cubes casting: 07.01.2021

Date of Testing (7 days): 14.01.2021

Size of Cube: 15cm x 15cm x 15cm

Volume of cube: 3375cc

Area of Cube: 225cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	1	8479	2.512	7	430	19.11	19.85	
2	2	8533	2.528	7	440	19.56		
3	3	8437	2.500	7	470	20.89		

Average compressive Strength: 19.85 N/mm² [7 days: \geq 16.75 N/mm²]

7 days Cubes Compressive Strength test results are within the limits.

Supervised by

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Head of the Dept.

Dr.S. Anand Kumar Varma, M.E., Ph.D.,

Professor & Head

Dept. of Civil Engineering

E.G.S. Pillay Engg. College

(Autonomous)

Nagapattinam - 611 002.

Tamilnadu



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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MT/4275/2021

Date: 14.01.2021

COMPRESSIVE STRENGTH OF CONCRETE CUBES [RCC M25]

[As per IS:516]

To

The SALYA Construction.,

20, Nadavar East street,

Nagapattinam - 611109

Tamilnadu.

Name of Work: : Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Client Reference : SALYA/EGS/NGT/2021-22/005 DATED 07.01.2021

Part of Structure : Column C1

Grade of Concrete : RCC M25

Characteristic Compressive Strength: 25 N/mm²

Date of Cubes casting: 07.01.2021

Date of Testing (28 days): 04.02.2021

Size of Cube: 15cm x 15cm x 15cm

Volume of cube: 3375cc

Area of Cube: 225cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	1	8561	2.537	28	680	30.22	28.59	
2	2	8492	2.516	28	610	27.11		
3	3	8509	2.521	28	640	28.44		

Average compressive Strength: 28.59 N/mm² [28 days: ≥ 25 N/mm²]

28 days Cubes Compressive Strength test results are within the limits.

Supervised by

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Head of the Dept.

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Professor & Head

Dept. of Civil Engineering

E.G.S. Pillay Engg. College

(Autonomous)

Nagapattinam - 611 002.

Tamilnadu

Rtn. MPHF. P.Sundaravelu, B.E.,
Consulting Civil Engineer.



Letter No.: SALYA/EGS/NGT/2020-21/001

Date: 21.01.2020

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Project: Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.

Subject: Requesting quotation for Construction of SidharKovil School Building, Vadakku Poigainallur, Nagapattinam.

Dear Sir,

Here with please kindly send me the quotation for **Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.** As we discussed, the required Soil investigation, building planning & Estimation, Material testing along with concrete Mix design, Concrete cubes compressive strength, Field inspection and overall consultancy charges.

This is for your kind information.

Thanking you and assuring of our best services at all times.

For SALYA CONSTRUCTION

Authorised Signatory

Builders

Planners

Architects

20, Naduvar East Street, Nagapattinam - 611 001. Tamil Nadu, India. Ph: 04365 241315, Cell: 98424 41315.

www.salya.in salyaconstruction@yahoo.com

Rtn. MPHF. P.Sundaravelu, B.E.,
Consulting Civil Engineer.



Letter No.: SALYA/EGS/NGT/2020-21/002

Date: 30.01.2020

To

The Head of the Department,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Project: Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.

Subject: Acceptance - Requesting quotation for Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.

Reference: EGSPEC/MTR/4079/2020 Dated 27.01.2020

Dear Sir,

Here with please kindly send me the quotation for **Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.** As we discussed, the required Soil investigation, building planning & Estimation, Material testing along with concrete Mix design, Concrete cubes compressive strength, Field inspection and overall consultancy charges.

As we discussed, we accepted your term and conditions, please kindly proceed required further activities.

This is for your kind information.

Thanking you and assuring of our best services at all times.

For SALYA CONSTRUCTION

Authorized Signatory

Builders

Planners

Architects

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www.salya.in salyaconstruction@yahoo.com

Rtn. MPHE. P.Sundaravelu, B.E.,
Consulting Civil Engineer.



Letter No.: SALYA/EGS/NGT/2020-21/003

Date: 31.01.2020

To

The Head of the Department,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Project: Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.

Subject: Requesting Soil Investigation (SBC Value) for Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.

Dear Sir,

Here with please kindly Requesting Soil Investigation (SBC Value)for **Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.**

This is for your kind information.

Thanking you and assuring of our best services at all times.

For SALYA CONSTRUCTION

Authorised Signatory

Builders

Planners

Architects

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E.G.S. PILLAY ENGINEERING COLLEGE (Autonomous)

Nagapattinam - 611 002, Tamilnadu, India.

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Accredited by NAAC with 'A' Grade

Affiliated to Anna University, Chennai / Approved by AICTE, New Delhi

An ISO 9001 : 2015 Certified Institution

Website: www.egspec.org, Email: principal@egspec.org, Ph: (04365) 251112, Fax: (04365) 251114

Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/4079/2020

Date: 27.01.2020

To
The SALYA Construction.,
20, Nadavar East street,
Nagapattinam - 611002
Tamilnadu

Project: Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Subject: Requesting quotation for Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Reference: SALYA/EGS/NGT/001 Dated: 21.01.2020

Respected Sir,

You have requested quotation based on discussion as for proposed Siddhar Kovil School Building @ Nagapattinam the following details evaluated.

1. Soil Investigation
2. Building Planning, Designing, Estimation and Consultancy charges
3. Material testing along with concrete Mix design
(Materials- Coarse Aggregate: 40mm, 20mm, & 12.5mm
Fine Aggregate: M-Sand & P-Sand
Water, Cement and Admixture
Bricks: Fly ash Bricks
Steel: TMT Bars Fe-500
4. Concrete Cubes Compressive strength charges
5. Field Inspection charges / Consultancy

Here with as we discussed, the above-mentioned Consultancy / Testing charges value is 6.50% made by the approximant project total Estimation value. [GST Excluding]

For EGSPEC

[Signature]
27-1-20
Dr. R. SIVAKUMAR, M.E., Ph.D.

Professor & Head

Head of the Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Encl: As stated above

Received
[Signature]



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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/4097/2020

Date: 10.03.2020

QUOTATION

To

The SALYA Construction.,
20, Nadavar East street,
Nagapattinam - 611002
Tamilnadu.

Project: Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Subject: Requesting quotation for Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Reference: SALYA/EGS/NGT/002 Dated: 30.01.2020

SALYA/EGS/NGT/003 Dated: 31.01.2020

Respected Sir,

You have requested quotation based on discussion as for proposed Siddhar Kovil School Building @ Nagapattinam the following details evaluated.

1. Soil Investigation
2. Building Planning, Designing, Estimation and Consultancy charges
3. Material testing along with concrete Mix design
(Materials- Coarse Aggregate: 40mm, 20mm, & 12.5mm
Fine Aggregate: M-Sand & P-Sand
Water, Cement and Admixture
Bricks: Fly ash Bricks
Steel: TMT Bars Fe-500
4. Concrete Cubes Compressive strength charges
5. Field Inspection charges / Consultancy

Received
Emmanuel

For EGSPEC Consulting Authorized persons

Dr. R.Sivakumar, (Prof/Civil)

A.Arjunan, Asso.Prof/Civil

+91-9443533554

+91-9791268159

Email: siva7570@gmail.com

Email: arjunan86@gmail.com

15.3.20
SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
S. Pillay Engineering College,
Nagapattinam.



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Here with as we discussed, the following Consultancy / Testing charges are evaluated

Total Project Estimation Value (-): 16,600,000.00 (One Core sixte-six lakhs rupees only)		
		Amount (Rs.)
Consultancy / Testing Charges	6.50 % of Estimation value	10,79,000.00
GST	CGST	97,110.00
	SGST	97,110.00
	Total Charges	12,73,220.00
Amount in Words: Twelve lakhs seventy-three thousand two hundred twenty rupees only		

1st term, 2nd term & 3rd term to be release as we discussed, by the year of every quarterly.

Total Project Estimation Value (-): 16,600,000.00 (One Core sixte-six lakhs rupees only)		
I-TERM PAYMENT		
		Amount (Rs.)
Consultancy / Testing Charges	6.50 % of Estimation value	10,79,000.00
Consultancy / Testing Charges (1 st term)	3.00 % of Estimation value	4,98,000.00
GST	CGST (9%)	44,820.00
	SGST (9%)	44,820.00
	Total Charges	5,87,640.00
Amount in Words: Five lakhs eighty-seven thousand six hundred fourty rupees only		

10.3.22
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Received
Emmanuel



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Website: www.egspec.org, Email: principal@egspec.org, Ph: (04365) 251112, Fax: (04365) 251114

Total Project Estimation Value (-): 16,600,000.00 (One Core sixte-six lac rupees only)

II - TERM PAYMENT

		Amount (Rs.)
Consultancy / Testing Charges	6.50 % of Estimation value	10,79,000.00
Consultancy / Testing Charges (2 nd term)	2.00 % of Estimation value	3,32,000.00
GST	CGST (9%)	29,880.00
	SGST (9%)	29,880.00
Total Charges		3,91,760.00
Amount in Words: Three lakhs ninety-one thousand seven hundred sixty rupees only		

Total Project Estimation Value (-): 16,600,000.00 (One Core sixte-six lac rupees only)

III - TERM PAYMENT

		Amount (Rs.)
Consultancy / Testing Charges	6.50 % of Estimation value	10,79,000.00
Consultancy / Testing Charges (3 rd term)	1.50 % of Estimation value	2,49,000.00
GST	CGST (9%)	22,410.00
	SGST (9%)	22,410.00
Total Charges		2,93,820.00
Amount in Words: Two lakhs ninety-three thousand eight hundred twenty rupees only		

The required Soil investigation, Materials sampling / testing already completed. The Building Planning, Drawing Designing and Estimation works in completion stage. As we discussion, Please kindly release as earliest advance of I-term payment value.

For EGSPEC

Dr. R. SIVAKUMAR, Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Received
Emmanuel

Terms & Conditions:

Payment & Terms: 1st term, 2nd term & 3rd term to be release as we discussed, by the year of

VALID FOR THREE MONTHS ONLY

11012020

DDMMYY

OR ORDER

Pay Reads consultancy, E.C.S. Pillay Engineering College, Nagapattinam

Rupees Five lakhs Eighty Seven thousand Six hundred and forty only

₹ 5,87,640/-

A/c No. 609405009795

CABUS CBS
BUSINESS BANKING : CURRENT ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India

11/3/21



SALVA CONSTRUCTION

Salva

AUTHORISED SIGNATORIES

Please sign above

⑈000970⑈ 611229002⑈ 009795⑈ 29



VALID FOR THREE MONTHS ONLY

03032021

DDMMYY

OR ORDER

PRIVILEGE

ICICI Bank

NAGAPATTINAM Branch

P.B.No.5,40, Neeela South Street, Nagapattinam - 611 401.
RTGS / NEFT / IFS Code : ICIC006794

Pay Rand D Consultancy, E.A.S.Pillay Engineering College, Nagapattinam.
Rupees Three Lacks ninety one Thousand Seven hundred
and sixty only.

₹ 3,91,760/-

A/c No. 609405009795

CABUS CBS
BUSINESS BANKING : CURRENT ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India

SALYA CONSTRUCTION

Salya

AUTHORISED SIGNATORIES

Please sign above



⑈000984⑈ 611229002⑈ 009795⑈ 29

ICICI Bank
NAGAPATTINAM Branch
P.B.No.5,40, Meela South Street, Nagapattinam - 611 001.
RTGS / NEFT / IFSC Code : ICIC0006094

PRIVILEGE

VALID FOR THREE MONTHS ONLY

23022022
DDMMYY

Pay Rand D. Coosaltancy, E.G.S.Pillay Engineering College, Nagapattinam OR ORDER

Rupees Two lakhs Ninety thousand Eight hundred
and twenty only ₹ 2,93,820/-

A/c No. 609405009795

CBS CBS
BUSINESS BANKING : CURRENT ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India

SALYA CONSTRUCTION

Salya

AUTHORISED SIGNATORIES

Printed sign secure

11/3/21
050490
97950106



⑈001006⑈ 611229002⑈ 009795⑈ 29

SIDHAR KOVIL SCHOOL BUILDING CONSTRUCTION PHOTOS

Location: Construction of Sidhar Kovil Building, Vadakku Poigainallur, Nagapattinam





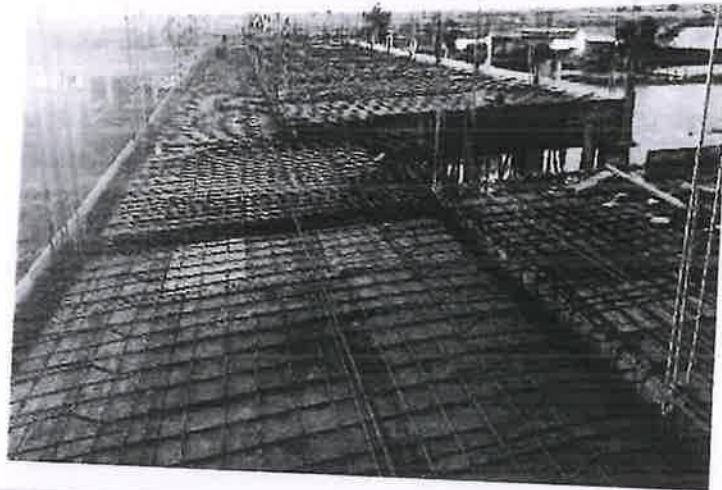
SIDHAR KOVIL SCHOOL BUILDING CONSTRUCTION PHOTOS

Location: Construction of Sidhar Kovil Buling, Vadakku Poigainallur, Nagapattinam



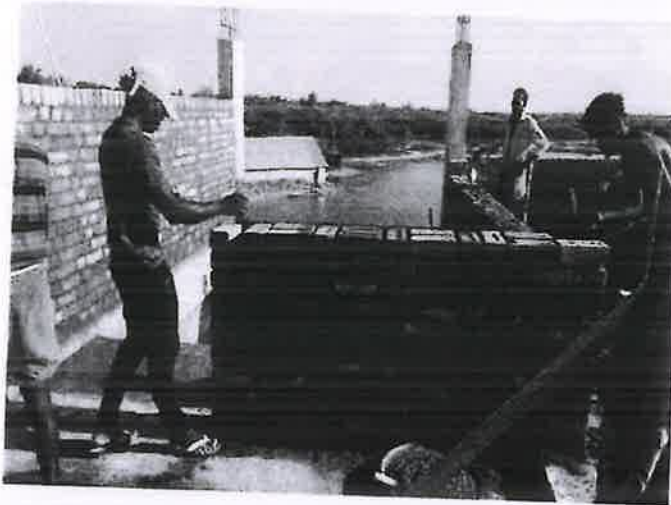
SIDHAR KOVIL SCHOOL BUILDING CONSTRUCTION PHOTOS

Location: Construction of Sidhar Kovil Building, Vadakku Poigainallur, Nagapattinam



SIDHAR KOVIL SCHOOL BUILDING CONSTRUCTION PHOTOS

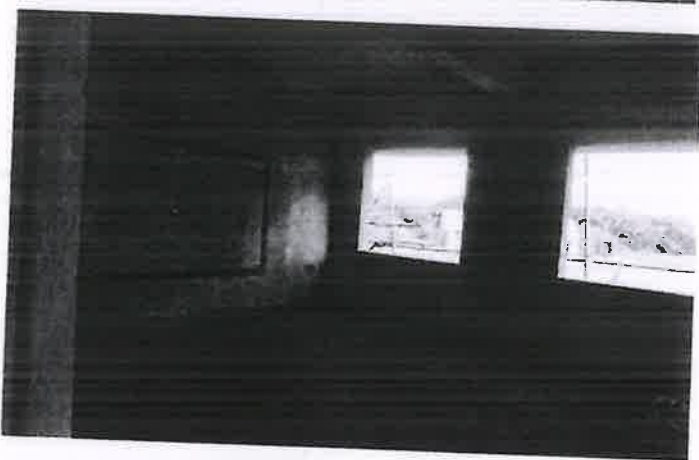
Location: Construction of Sidhar Kovil Building, Vadakku Poigainallur, Nagapattinam



SIDHAR KOVIL SCHOOL BUILDING CONSTRUCTION

PHOTOS

Location: Construction of Sidhar Kovil Builing, Vadakku Poigainallur, Nagapattinam



SIDHAR KOVIL SCHOOL BUILDING CONSTRUCTION PHOTOS

Location: Construction of Sidhar Kovil Building, Vadakku Poigainallur, Nagapattinam



CONSULTANCY WORK

CAPTCHA BASED AUTHENTICATION FOR WEBSITES

CUSTOMER DETAIL

Vei TECHNOLOGIES

Chennai – 600004

Coordinator(s)

Dr.S. MANIKANDAN

Dr. K. MANIKANDA KUMARAN

Mr. V. M. SURESH

DEPARTMENT OF INFORMATION TECHNOLOGY

E.G.S.PILLAY ENGINEERING COLLEGE, NAGAPATTINAM-611 002.

TAMILNADU.

<https://www.egspec.org>

Phone: 04365- 251112

E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

DEPARTMENT OF INFORMATION TECHNOLOGY

Consultancy Work

"CAPTCHA BASED AUTHENTICATION FOR WEBSITES"

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E. G. S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.
(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
(Affiliated to Anna University Chennai)



DEPARTMENT OF INFORMATION TECHNOLOGY

02/07/2021

To Director ,
Vei Technologies
Chennai

Sir
Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

We are happy to inform you that we are doing consultancy work for Captcha Based authentication system for websites. This project mainly focuses on secure authentication for employees in an organization. Herewith we send Institution and department profile for your reference.

Hence we request you give a positive response from your side.

Thanking You

Yours Sincerely


S. MANIKANDAN



1. INSTITUTION PROFILE

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2nd January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19th year of excellent service in the year of 2014. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,

The college offers 6 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

UG Courses:

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology

PG Courses:

- Master of Business Administration
- Master of Computer Applications
- M.E – Manufacturing Engineering
- M.E – Computer Science and Engineering
- M.E – Communication Systems
- M.E – Power Electronics and Drives

Vision:

- Envisioned to transform our institution into a Global Center of Academic Excellence

Mission:

- To provide world class education to the students and to bring out their inherent talents
- To establish state-of-the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes
- To recruit competent faculty and staff and to provide opportunity to upgrade their knowledge and skills
- To have regular interaction with the the industries in the areas of R&D and offer consultancy training and testing services
- To establish center of excellence in the emerging areas of research
- To offer continuing education, and non-formal vocational education programmes that are beneficial to the society.

2. DEPARTMENT PROFILE

The department has well qualified and experienced staff and it continually updates its laboratories with modern facilities. The department conducts various seminars and workshop periodically. Various associations are formed related to the department. The students are given different mini-projects in the pre-final year so that their individual ideas can be implemented. The staff and students are encouraged to present papers at various colleges and many have won prizes in competitions.

Vision:

- To produce globally competent information technologist and to inculcate values of leadership and research qualities in them

Mission:

- To provide high quality Education to the students by our competent faculty members, effective teaching learning process and value added courses
- To create centres of excellence by interacting with industries for better employability and to contribute to the society through consultancy and R&D works.
- To improve the soft skill, interpersonal skill, ethical behavior and communication skill of students by involving them in team works and technical events.

PROGRAMME EDUCATIONAL OBJECTIVES

- PEO1: Graduates will have knowledge and competency for successful careers in and related to Information Technology
- PEO2: Graduates will contribute to the design and implementation of software systems to solve real life problems in the society with an understanding of profession ethical standards
- PEO3: Graduates are motivated to proceed to higher studies in Engineering or other Professional fields and promote awareness of the life-long learning.
- PEO4: Graduates will work and communicate effectively as individuals and as team members in multidisciplinary projects, research and development activities

PROGRAM SPECIFIC OUTCOMES

The graduates will have

- PSO 1: Apply core aspects of Information Technology and programming paradigms in order to facilitate processing
- PSO 2: Provide solution to real world problems using Structured , Object Oriented Programming Languages and Open Source Software
- PSO 3: Solve Complex IT Problems as a Software Engineer, Software Analyst and Tester in IT and ITeS

PROGRAMME OUTCOMES

Graduates will be able to

PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend

and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Features of the Department

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields
- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programmer like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department library has an extensive collection of academic books in the areas of latest technologies
- The department has stable, highly qualified and experienced staff members



DIRECTOR

(M)-303374764
veitech@veitech.com

04/07/2021

To
S. MANIKANDAN
HEAD OF THE DEPARTMENT
DEPT OF IT
EGSPILLAY ENGINEERING COLLEGE
NAGAPATTINAM

Sir

Sub: Consultancy Work - Reg

Thank you for your interest. This project idea is very interesting and our customer will do online transaction with us more secure.

We accept your request. Kindly send your project proposal.

Thanking you

Kind regards

A handwritten signature in black ink, appearing to be 'Siva'.

Siva
(Director)

FD



E. G. S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.
(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
(Affiliated to Anna University Chennai)



DEPARTMENT OF INFORMATION TECHNOLOGY

07/07/2021

To
The Director
Vei TECHNOLOGIES
Chennai – 600004

Sir
Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

We are happy to your positive response. Herewith we send proposal along with Institution and Department profile for your reference. The proposal includes objective of the work, budget details and Expected outcome details.

Hence awaiting for positive reply from your good office and fix one date for discussing consultancy work.

Thanking You

Yours Sincerely


S. MANIKANDAN



1. PROJECT PROPOSAL

01	Title of the Project	: CAPTCHA BASED AUTHENTICATION FOR WEBSITES
02	Type of the Project	: Consultancy Work - Engineering & Technology - Information Technology - Social Networking
03	Name & Designation of the Project Coordinators	: Dr.S. MANIKANDAN Dr. K. MANIKANDA KUMARAN Mr. V. M. SURESH Assistant Professor / IT
04	Postal Address of the Principal Investigator	: Old Nagore Road, Thethi Village, Nagore - Post, Nagapattinam - 611 002
05	Contact Phone numbers of the Project Coordinators	: S.MANIKANDAN Project Coordinator Contact No. +91-9500707894 manikandan@egspec.org
06	Name of the Institution / Organization in which the project will be carried out	: E.G.S Pillay Engineering College, Nagapattinam
07	Customer Details	: Mr SIVA The Director Vei Technologys - 60004
08	Customer Contact Details	: Mr. SIVA (+91) - 90037 / 5764 hr@veitechnologies.com
09	Duration of the Project	: AUGUST 2021 - 2022
10	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	: Enclosed separately - Annexure 1
11	An abstract, not exceeding one page describing the background, objectives methodology & year wise budget	: Enclosed separately - Annexure 2
12	Project Work Plan	: Enclosed separately - Annexure 3

13	Facilities available at the Institution / organization to carry out the project	:	Open Source Lab, Cloud Campus, Android Apps development Centre
14	Expected Outcome	:	Enclosed separately – Annexure 4

V.M. - Rml

Signature of Project Coordinator(s)

S. MANTKANDAN

S. MANTKANDAN
Head of Department

Department of Information Technology,
E.G.S. Pillay Engineering College,
Nagapattinam - 611002

Signature of the
Head of the Department
with Seal



Dr. S. Ramabalan

Signature & Name

Head of the Institution with seal

Dr. S. RAMABALAN, M.E., Ph.D.
Principal

E.G.S. Pillay Engineering College
Nagapattinam - 611002.

Annexure-1**DETAILS OF BUDGET**

S.No	Description	Amount (in Rs.)
A	Preprocessing and Component Preparation	75,000
B	Data Collection, Requirement Analysis, Designing, Prototype model, testing and Maintenance	1,00,000
C	Travel	10,000
D	Total of A+B+C	1,85,000
E	Institutional overhead charges	15,000
F	Total Cost of Project	2,00,000

Annexure - 2

ABSTRACT

Phishing is an attempt by an individual or a group to thief personal confidential information such as passwords, credit card information etc from unsuspecting victims for identity theft, financial gain and other fraudulent activities. Our proposed scheme uses CAPTCHA (Completely Automated Public Turing tests to tell Computers and Humans Apart) as a user authentication. Visual cryptography (VC) is a special type of secret sharing. We have used a new approach for phishing websites classification to solve the problem of phishing. The use of images is explored to preserve the privacy of image captcha by decomposing the original image captcha into two shares that are stored in separate database servers such that the original image captcha can be revealed only when both are simultaneously available; the individual share images do not reveal the identity of the original image captcha. Once the original image captcha is revealed to the user it can be used as the password. Several solutions have been proposed to tackle phishing.

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Anhexure - 3**Work Plan**

Phase	Cycle	Primary Objective	Scheduled start or milestone	Duration Estimate (calendar days)
Inception / Requirements Analysis	C1	<ul style="list-style-type: none"> ✓ Analyzing Requirements ✓ Collecting Project Requirements 	August – Sep 2021	38 days
Elaboration	C2	<ul style="list-style-type: none"> ✓ Identifying Technical Assistant ✓ Installation and Setup ✓ Purchasing 	October – November 2021	32 days
Designing	C3	<ul style="list-style-type: none"> ✓ Designing Prototype Model ✓ Project Review Status Preparation Submission ✓ Project Modules Preparation 	December – January 2021	35 days
Implementation	C4	<ul style="list-style-type: none"> ✓ Start to develop Coding each Modules ✓ Preparing Workspace model and verify with abstract. ✓ Identify the Risk and Measure the values of on it. 	February – March 2022	45 days
Construction	C5	<ul style="list-style-type: none"> ✓ Complete the Project and meet with Abstract ✓ Objectives and Outcome mapped with the Module ✓ Project Final Phase meeting 	April – May 2022	45 days
Transitions /End	C6	<ul style="list-style-type: none"> ✓ Preparing Documentation Part ✓ Publication and Presentation in Conferenece and Jouranis ✓ Final Project Presentation 	June – July 2022	40 days

Annexure - 4

Expected Outcomes

1. This project prevent an attacker from gaining access to confidential information of an organization
2. Increase the performance of knowledge based authentication mechanism in security system.
3. Allows users to create a simple but effective graphical password using visual cryptography for providing stronger authentication.
4. Efficient and cost effective in the aspects of security
5. Solves the problem of remembering several click points by replacing multiple images in sequence with a single window containing a set of images.

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COORDINATOR DETAILS

S.No	Name of the Coordinator	Designation	Contact No.	EmailID
Faculty Members				
01	V.M. Suresh	AP/IT	9486116002	vmsuresh@egspec.org
02	S. Manikandan	AP/IT	9952145970	profmaninvp@gmail.com
03	K. Manikandakumaran	AP/IT	9080067831	kumaran@egspec.org

20

E.G.S Pillay Engineering College, Nagapattinam
Department Information Technology
Faculty Publication and Contributions [up to 2017-2018 ODD Semester]

Name of the Faculty: S.MANIKANDAN, Asst.Prof&HoD

Publications:

Book Publication:

1. **Enterprise Java Beans (EJB) Running Procedure**, International Society for Green, Sustainable Engineering and Management, National Board of Quality Promotion, QCI, Govt of India, ISBN:978-81-930406-6-9

International Journal :

1. S. Manikandan and K. ManikandaKumaran, "**Identifying Semantic Identifying Semantic Relations Between Disease And Treatment Using Machine Learning Approach**", International Journal of Engineering Research & Technology(IJERT), essn:2278-0181, Vol.2, June - 2013.
2. S.Manikandan and Mr. S. Pasupathy, "**An Efficient Streaming-Application on Distributed Hybrid Cloud Platforms**". International Journal of Advanced Information Science and Technology (IJAIST) ISSN: 2319:2682, Vol.3, No.2, February'2014.
3. S. Manikandan, K. ManikandaKumaran, "**Performance Analysis of Mobile Ad-Hoc Network Routing Protocols using Network Simulator – 2**", COMPUSOFT, An International Journal of Advanced Computer Technology, ISSN:2320-0790, Vol.03, Issue: 06, pp-957-960, June-2014.
4. Haripriya S, Indumathi, S.Manikandan, "**Virtual Network Connection Using Mobile Phones**", COMPUSOFT, An International Journal of Advanced Computer Technology, ISSN:2320-0790, Vol.03, Issue: 06, pp-980-984, June-2014.
5. Nandhini. R, Pavithra. P, Abinaya. P and S.Manikandan, "**Information Technology Architectures for Grid Computing and Applications**", *International Journal of Advanced Research Computer Engineering and Technology*, ISSN:2278-1323, Vol.3, No.06, pp:2239-2242, June'2014.
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9. Manikandan.S, "**Effective Nested Loop Reactive Join Algorithm for Multiple Relations on Input Data**", International Journal of Innovative Research in Computer Science and Engineering (IJRCSE), ISSN: 2394-6364, Volume – 1, Issue – 9, August 2015
10. J.Abinaya, R.Ranjitha, S.Swetha and S. Manikandan, "**An Efficient Identity Based Group Key Distribution Scheme for Client Side Security in Web Applications**,"Einstein International Journal Organization (EIJO), Volume – 1, Issue – 1, Page No. 49-53
11. S. Manikandan, P.Suganya, K. Raju, P.Ponnaruvu, "**Object Removal and Error Concealment Using Mean Shift Algorithm in Free Moving Camera Videos**", EIJO Journal of Engineering, Technology And Innovative Research (EIJO-JETIR), ISSN: 2455 - 9172, Volume – 1, Issue – 2, May - June 2016, Page No. : 05 - 08.
12. Karthik. S, Dharmaraj. M, MustakAhamed. A, S. Manikandan, "**An Efficient Authentication Scheme for Mitigating Maliciously Dropped Packets**", Journal of Information Technology and Sciences, Vol.2, No.3, September, 2016
13. S. Manikandan, K. Raju, R. Lavanya, R. G. Gokila, "**Bluetooth based Face-to-Face Proximity Estimation on Smart Mobile**", Journal of Android and IOS Applications and Testing, Vol.2, Issue-

1,2017

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14. S. Manikandan, K. Raju, R. Lavanya, R.Hemavathi, "Energy Efficiency Controls on Minimizing Cost with Response Time and Guarantee Using EGC Algorithm", *International Journal of Information Technology Insights & Transformations*, Vol. 3, No. 1, 2017.

International Conference : 10

1. S. Manikandan, K. ManikandaKumaran, S.Palanimurugan, N.Murali and V.M.Suresh, "RED: Mitigating Malevolent Packet Losses", ICRDICT-2015, EGS Pillay Engineering College, Nagapattinam, May-2015.
2. D.Vijayakumar, S. Manikandan and K. Parthasarathy. "ISAY: SMS Service Using ARM", ICRDICT-2015, EGS Pillay Engineering College, Nagapattinam, May-2015.
3. S. Manikandan, "Simulating Malicious Packet Losses Using Congestion Control and mitigation Method", ICRDICT-2015, EGS Pillay Engineering College, Nagapattinam, May-2015.
4. S. Manikandan and S.Pasupathy. "Data Streaming in Distributed Hybrid Cloud Platforms using NetSim", ICRDICT-2015, EGS Pillay Engineering College, Nagapattinam, May-2015.
5. S. Manikandan, K. ManikandaKumaran and Mr. S. Pasupathy, "Performance Analysis of Mobile Ad-Hoc Network Routing Protocols using Network Simulator – 2", IEEE-ICAET-2014, EGS Pillay Engineering College, Nagapattinam, May-2014.
6. S.Manikandan, K. ManikandaKumaran, N. Murali and Prof.B.SaravanaKumaran, "An Efficient Hybrid Clustering Approach for Downloading News from Web", ICIRET-2014, EGS Pillay Engineering College, Nagapattinam, May-2014.
7. Haripriya S, Indumathi and S.Manikandan, "Virtual Network Connection Using Mobile Phones", ICIRET-2014, EGS Pillay Engineering College, Nagapattinam, May-2014.
8. Nandhini. R, Pavithra. P, Abinaya. P and S.Manikandan, "Information Technology Architectures for Grid Computing and Applications ", ICIRET-2014, EGS Pillay Engineering College, Nagapattinam, May-2014.
9. S. Manikandan and K. ManikandaKumaran, "Detection of Vanishing point in Unstructured Environments", IEEE-ICRPET-2013, EGS Pillay Engineering College, Nagapattinam, March-2013.
10. Manikandan. S and Prof. Palaniappan. B, 2011, "Identifying Malevolent Packet losses using RED Method", IEEE-ICASM-2012, EGS Pillay Engineering College, Nagapattinam, March-2012.

National Conference : 10

1. SubashPriyanga, Suriya. P, Vidhya. K and Manikandan. S, "An Efficient Group key Transfer Protocol for Haring Information in WSN using IBC", National Conference on Recent Trends in Computer Science and Applications, SELP Publications, ISBN:978-93-80509-83-9, Dept. of CS, RA College for Women, Thiruvarur, September-2016
2. Ananth. R, Dinesh Kumar. R, Vigneshwaran. P and Manikandan.S, "An Adaptive Random Early Detection Method For Sensing Malevolent Packet Losses", National Conference on Information and Communication (NCIC'2015), K.Ramakrishnan College of Engineering, Trichy.
3. I.Chitra, S.Manimala. M.Priyadarshini and Manikandan.S, "An Adaptive Iris Image Segmentation Technique For Video Based Non-Cooperative Images Using Image Transformation", National Conference on Information and Communication (NCIC'2015), K.Ramakrishnan College of Engineering, Trichy.
- 4.U.Nivethitha, R.Vinitha, M.Mohana and Manikandan.S, "An Efficient LSB Pattern Matching In Spatial Domain For Securing Message Using Bio-Metric Method", ETIC'2015, M.Kumarasamy College of Engineering and Technology, Karur
5. Ananth. R, Dinesh Kumar. R, Vigneshwaran. P and Manikandan.S, "An Adaptive Random Early Detection Method For Sensing Malevolent Packet Losses", National Congress on Engineering, Technology. Management and Science, EGS Pillay Engineering College, Nagapattinam
6. I.Chitra, S.Manimala, M.Priyadarshini and Manikandan.S, "An Adaptive Iris Image Segmentation Technique For Video Based Non-Cooperative Images Using Image Transformation", National Congress on Engineering, Technology, Management and Science, EGS Pillay Engineering College, Nagapattinam
- 7.U.Nivethitha, R.Vinitha. M.Mohana and Manikandan.S, "An Efficient LSB Pattern Matching In Spatial Domain For Securing Message Using Bio-Metric Method", National Congress on Engineering, Technology, Management and Science, EGS Pillay Engineering College, Nagapattinam

8. Indhumathi. R, HariPriya. S and Manikandan.S, "Detecting and Preventing Distributed Denial of Service (DDOS) Attacks using BOTNET Monitoring System", CSI/ISTE Sponsored National Conference on NCASEM-2013. EGS Pillay Engg. College, Nagapattinam
9. Manikandan. S, Prof. Srinivasan. V and Prof. Palaniappan. B, 2012, "Combined Public Key Cryptography (IBC) for Client Side Security in Web Applications", National Conference on Networks, Information, Knowledge, Computing & Ontology (NIKCON'12), A.V.C college of engineering, Maliaduthurai, Tamilnadu, India, March 2012.
10. Manikandan. S and Prof. Palaniappan. B, 2011, "Identifying Malevolent Packet losses using Mitigation Method", AICTE Sponsored National Conference on Information System, Technology and its Applications(CISTA'11), A.V.G college of engineering, Maliaduthurai, Tamilnadu, India, September 2012

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1. International Conference on Research and Development in Information and Communication Technology - 2015, ISBN: 978-93-84893-24-8
2. International Conference on Research and Development in Information and Communication Technology - 2016, ISBN: 978-93-84893-49-1
3. IEEE - International Conference on IoT and its Applications – 2017, ISBN: 978-1-5386-1698-7/17/\$31.00 ©2017 IEEE

FUNDING DETAILS

S.No	Name of the Project/Programme	Agency	Year	Amount (in Rs)
1	Science and Technology Capacity building for industrial needs	Tamil Nadu State Council for Science and Technology	2016-2017	1,00,000
2	Banking Financial Services and Insurance Unemployed Graduates	Tamil Nadu Skill Development Mission Corporation & ICT Academy	2015-2016	90,000
3	Popularization of Science Activities - Banking and financial Services for unemployed graduates in Nagapattinam Dt.	Tamil Nadu State Council for Science and Technology	2016-2017	25,000
4	TAHDCO Project - Training Programme for SC/ST School Teachers	TADHCO & ICT Academy	2017-2018	50,000
Consultancy Services				
S.No	Name of the Consultancy Service	Agency	Year	
1	National Literacy Assessment for School Students in Nagapattinam and Thiruvarur districts	Sify Technologies, Chennai	2015-2016	
2	SOF Examinations	Aptech Pvt Ltd, Mumbai	2015-2016	
3	Digital Literacy Programme Non-IT Candidates	Govt. of India & ICTACT	2015-2016	
4	Measuring of Computer Performance	Annai Computer's, Velankanni	2014-2015	
6	Virtual Network Computing	Oliver Academy, Vedharanyam	2014-2015	
Anna University approved FDTPs				
S.No	Sub.Code/Sub.Name		Year	
1	CS6660 - Compiler Design		2015-2016	
2	IT6006 - Data Analytics		2016-2017	

25



DIRECTOR

PH: 9003725764
info@veitechnologies.com

10/07/2021

To

S. MANIKANDAN
HEAD OF THE DEPARTMENT
DEPT OF IT
EGSPILLAY ENGINEERING COLLEGE
NAGAPATTINAM

Sir

Sub: Consultancy Work - Reg

We discussed with our industry people and accept your consultancy work of Captcha based authentication for websites. We planned to come to your campus on 11/07/2021 for discussing the consultancy work. I hope this work very important for us and it will reduce the human power.

Thanking you

Kind regards

A handwritten signature in black ink, appearing to be 'Siva', written in a cursive style.

Siva
(Director)

28

MINUTES OF MEETING

**EGS Pillay Engineering College, Nagapattinam
Department of IT**

Minutes of Meeting

Consultancy Work	
Title	Captcha based authentication for websites
Meeting No.	01
Date	11/07/2021
No. of Attendees	04
Venue	Department of IT -Faculty Room

Members Present

S.No	Name of the Members	Designation /Dept
01	V.M. Suresh	AP/IT
02	S. Manikandan	AP/IT
03	K. Manikandakumaran	AP/IT
04	Siva	Director , Vei Technologies Chennai.

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Welcoming the company people
02	Discussed project details with company people
03	Discussed with project details like objective, duration, project status monitoring and explained prototype model for evaluation process.
04	Explained various levels in the sense of hardware and software profile and outcomes.
05	Signed Consultancy Assignment Proposal and Agreement form

**Minuted by: Prof.V.M.SURESH
Copy to: Department file and Company**


HOD/IT
S. MANIKANDAN
 Head of Department
 Department of Information Technology,
 E.G.S. Pillay Engineering College,
 Nagapattinam - 611002

MINUTES OF MEETING

**EGS Pillay Engineering College, Nagapattinam
Department of IT**

Minutes of Meeting

Consultancy Work	
Title	Captcha based authentication for websites
Meeting No.	02
Date	11/08/2021
No. of Attendees	04
Venue	Department of IT

Members Present

S.No	Name of the Members	Designation/Dept
01	V.M. Suresh	AP/IT
02	S. Manikandan	AP/IT
03	K. Manikandakumaran	AP/IT
04	Siva	Director . Vei Technologies Chennai

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Welcoming the company people
02	Discussed project details with company people
03	Minutes of last meeting reviewed
04	Arranged lab for testing components with Tech Asst.
05	Discussed project planning status requirements, designing prototype, completed components and documentation part.

Minuted by: Prof.V.M.SURESH
Copy to: Department file and Company


 HOD/IT
S. MANIKANDAN
 Head of Department
 Department of Information Technology,
 E.G.S. Pillay Engineering College,
 Nagapattinam - 611002

28

MINUTES OF MEETING

**EGS Pillay Engineering College, Nagapattinam
Department of IT**

Progress Analysis Meeting

Consultancy Work – Progress Analysis	
Title	Captcha based authentication for websites
Meeting No.	03
Date	10/11/2021
No. of Attendees	04
Venue	Vei Technologies -Director Chamber


Members Present

S.No	Name of the Members	Designation/Dept
01	V.M. Suresh	AP/IT
02	S. Manikandan	AP/IT
03	K. Manikandakumaran	AP/IT
04	Siva	Director , Vei Technologies Chennai

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Discussed with major and minor problem displayed.
02	Recommendation and Action taken points are discussed.
03	Discussed with details of further work

Minuted by: Prof.V.M.SURESH
Copy to: Department file and Company


S. MANIKANDAN
Head of Department
Department of Information Technology,
E.G.S. Pillay Engineering College,
Nagapattinam - 611002

MINUTES OF MEETING

**EGS Pillay Engineering College, Nagapattinam
Department of IT**

Minutes of Meeting

Consultancy Work – Progress Analysis	
Title	Captcha based authentication for websites
Meeting No.	04
Date	02/12/2021
No. of Attendees	04
Venue	Vel Technologies -Director Chamber

Members Present

S.No	Name of the Members	Designation/Dept
01	V.M. Suresh	AP/IT
02	S. Manikandan	AP/IT
03	K. Manikandakumaran	AP/IT
04	Siva	Director . Vel Technologies Chennai

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Discussed with major and minor problem displayed.
02	Recommendation and Action taken points are discussed.
03	Discussed with details of further work

Minuted by: V.M.SURESH
Copy to: Department file and Company


HOD/IT
S. MANIKANDAN
Head of Department
 Department of Information Technology,
 E.G.S. Pillay Engineering College,
 Nagapattinam - 611002

30



DIRECTOR

(+91) - 9003775764
veitechnologies.com

01/06/2022

To

S. MANIKANDAN
HEAD OF THE DEPARTMENT
DEPT OF IT
EGSPILLAY ENGINEERING COLLEGE
NAGAPATTINAM

Sir

Sub: Consultancy Work - Reg

We are happy to inform you that we got very good result from your consultancy work. After implement this system security of transactions are tremendously increased. The coordinators are appreciated for completing this wonderful work our concern. Herewith I enclosed a copy of cheque for payment details for your reference. I hope this work nice experience for us and in future you may increase number iteration as more as possible.

Thanking you

Kind regards

A handwritten signature in black ink, appearing to be 'Siva', written in a cursive style.

Siva
(Director)



E. G. S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.
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(Affiliated to Anna University Chennai)



DEPARTMENT OF INFORMATION TECHNOLOGY

05/06/2022

To
Director,
Vei Technologies
Chennai

Sir
Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

We are very much pleased to accept your positive response and work process appreciation and we take your consideration in our future reference. Also we have received your cheque. Here with we have attached the invoice detail for your reference.

Thanking You

Yours Sincerely


S. MANIKANDAN



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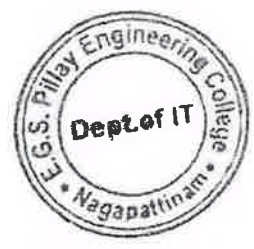
DEPARTMENT OF INFORMATION TECHNOLOGY

05/06/2022

INVOICE

S.No	Salaries & Wages	Amount (in Rs.)
1.	Preprocessing and Component Preparation	75,000
2.	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	1,00,000
3.	Travel	10,000
4.	Institutional overhead charge	15,000
5.	Total Cost of Project	2,00,000

Yours Sincerely

S. MANIKANDAN





33

DIRECTOR

9003773764
veitechnologies.com

To

S. MANIKANDAN
HEAD OF THE DEPARTMENT
DEPT OF IT
EGSPILLAY ENGINEERING COLLEGE
NAGAPATTINAM

Sir

Sub: Consultancy Work - Reg

We are happy to inform you that Captcha based authentication for websites consultancy work successfully running and it improves the security of our online transaction. It was very good experience for us and got good product from your esteemed institution. Also the coordinators are worked very well.

Thanking you

Kind regards

A handwritten signature in black ink, appearing to be the name 'Siva'.

Siva

Director,
Vei Technologies
Chennai

35

EGS Pillay Engineering College, Nagapattinam
Department of Information Technology

Utilization Certificate

Name of the Project	Captcha based authentication for websites
Name of the Coordinator(s)	S.*Manikandan K. Manikandakumaran V.M.Suresh
Name of the Agency	Director , Vei Technologies , Chennai.
Type of Project	Consultancy work
Duration	AUG 2021 - JULY 2022
Project Cost	Rs 200,000

This certificate is an acknowledgment of the expenditure incurred in executing the consultancy work mentioned above. The accounts are duly submitted to the R&D Cell and verified by the principal.

S.No	Itemized list of expenses Incurred	Amount (Rs)
1.	Preprocessing and Component Preparation	75,000
2.	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	80,000
3.	Travel	10,000
4.	Institutional overhead charges	15,000
	Total expenses incurred	1,80,000
	Income generated through Consultancy	20,000



Name and Signature of the
Coordinator



Name and Signature of
Head of Institution
With seal

Dr. S. RAMABALAN, M.E., Ph.D.,
Principal

EGS Pillay Engineering College
Nagapattinam - 611 002





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To



SALYA
construction

20, Nadavar East Road,
Nagapattinam - 611109
Tamilnadu.

Name of Work: Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Project Estimation value: 1.66 Cores

CONSTRUCTION OF SIDHAR KOVIL SCHOOL BUILDING

Index

S. No.	Description	Page No.
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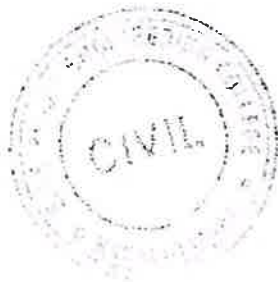
Consultancy services
(Department of Civil Engineering)


Ref. No. EGSPEC/MT/4084/2020

Date: 06.02.2020

1. Name of the Client : **The SALYA Construction.,**
20, Nadayar East Road,
Nagapattinam - 611109
Tamilnadu
2. Client Reference No : SALYA/EGS/NGT/2020-21/002 dated 30.01.2020
3. Project : Construction of Sidhar Kovil School Building, Vadakku Poigainallur,
Nagapattinam.
4. Sample details : UDS sample Soil [2 Nos. Location-A & Location- B]
5. Sample received : 31.01.2020
6. Sample test date : 01.02.2020
7. Test conducted by : Mr. A. Arjunan. Assistant Professor.
8. Test verified by : Dr.R, Sivakumar, Professor.

Encl: Test Report




Head of the Dept.
Dr. R. Sivakumar
Head of the Department
Department of Civil Engineering
E.G.S. Pillay Engineering College
Nagapattinam - 611 002.



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Consultancy services
(Department of Civil Engineering)

Ref. No. EGSPEC/MT/4082/2020

Date: 06.02.2020

SAFE BEARING CAPACITY OF SOIL
(IS: 6403 - 1981)

To
The SALYA Construction.,
20, Nadavar East street,
Nagapattinam - 611109
Tamilnadu

Project: Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Date of Sample: 31.01.2020

Date of Tested: 01.02.2020

Location- A

A ABSTRACT

1	Natural ground level	M	: 0.000
2	Foundation level	M	: 2.100
3	Depth of foundation	M	: 2.100
4	Grain size Analysis:		
	Gravel	%	: 0.0
	Coarse sand	%	: 3.2
	Medium sand	%	: 7.5
	Fine sand	%	: 27.5
	Silt & clay	%	: 61.8
5	Atterberg's Limits:		
	Liquid limit	%	: 31.22
	Plastic limit	%	: 15.25
	Plasticity Index		: 15.97
6	Soil (IS) classification		: CH
7	Natural moisture content	%	: 17.11
8	Bulk density	g/cc	: 1.855
	Dry density	g/cc	: 1.584
9	Shear parameters		
	Cohesion (C)	Kg/cm ²	: 0.01
	Angle of internal friction (ϕ)	°	: 24.32
			[24° 19']
10	Net Ultimate safe bearing capacity (q_{nu})	T/Sqm	: 46.99
11	Safe Bearing Capacity (q_{us})	T/Sqm	: 15.7

154 KN/sq.m

Supervised by

Note:

- Any correction without attestation will invalidate this certificate
- The results relate only to the samples tested.



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Conti.,



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B FORMULA AS PER IS:6403-1981

Net ultimate bearing capacity

$$q_{nu} = C N_c d_c s_c i_c + g D (N_q - 1) d_q s_q i_q + 0.5g B N_g d_g s_g i_g W'$$

N_c, N_q, N_g = Bearing capacity factors

g = Unit weight of soil below foundation base.

D = Depth of foundation

W' = Water table correction factor

S_c, S_q, S_g = Shape factor

For Strip footing

$$S_c, S_q, S_g = 1$$

For Rectangular footing

$$S_c = 1 + 0.2 B/L, S_q = 1 + 0.2 B/L \text{ \& } S_g = 1 - 0.4 B/L$$

For Square footing

$$S_c = 1.3, S_q = 1.2 \text{ \& } S_g = 0.8$$

For Circular footing

$$S_c = 1.3, S_q = 1.2 \text{ \& } S_g = 0.6$$

d_c, d_q, d_g = Depth-factor

(Note: Correction factor is to be applied only when backfilling is done with proper compaction)

$$d_c = 1 + 0.2 \times (D_f / B) \tan (45^\circ + \phi' / 2)$$

$$d_q = d_g = 1 \text{ for } \phi' < 10^\circ$$

$$d_q = d_g = 1 + 0.1 \times (D_f / B) \tan (45^\circ + \phi' / 2) \text{ for } \phi' > 10^\circ$$

i_c, i_q, i_g = Inclination factor for the load inclined at an angle to the vertical.

$$i_c = i_q = (1 - \alpha^\circ / 90^\circ)^2$$

$$i_g = (1 - \alpha^\circ / \phi')^2$$

α° = inclination of the load with the vertical

Supervised by

Note:

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2. The results relate only to the samples tested.



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C. ANALYSIS

Type of failure : General shear failure

1	Assume Cohesion C	c	: 0.10	Kg/Sqm	=: 1.0	T/Sqm
2	Angle of internal friction	ϕ	: 24.32			
3	Width of foundation	B	: 1.30	M		
4	Length of foundation	L	: 1.30	M		
5	Bearing capacity factors					
			: 24.32	°		
		N_c	: 19.92		14.83	20.72
		N_q	: 10.08		6.40	10.66
		N_g	: 10.13		5.39	10.88
6	Shape factors					
		S_c	: 1.20			
		S_q	: 1.20			
		S_g	: 0.60			
7	Depth factors					
8	Inclination factors	$d_c = d_q = d_g$: 1			
9	Water table correction factor	$i_c = i_q = i_g$: 1			
		w'	: 0.3			
10	Unit weight of soil	g	: 1.855	g/cc	=: 1.855	T/Cum
11	Depth of foundation	D	: 2.100	M		
12	Assume width	B	: 1.3	M		
13	Net Ultimate bearing capacity					
		$C N_c d_c s_c i_c$	(a) : 2.34	T/Sqm		
		$g D (N_q - 1) d_q s_q i_q$	(b) : 42.45	T/Sqm		
		$0.5 g B N_g d_g s_g i_g W'$	(c) : 2.20	T/Sqm		
		q_{nu}	a+b+c : 46.99	T/Sqm		
14	Factor of safety	F_s	: 3.0			
15	Safe bearing capacity q_{ds}	q_{nu} / F_s	: 15.66	T/Sqm		

154 KN/sq.m

Supervised by

Note:

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Dr. R. SIVAKUMAR, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagapattinam.



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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MT/4083/2020

Date: 06.02.2020

SAFE BEARING CAPACITY OF SOIL

(IS: 6403 - 1981)

To
The SALYA Construction.,
20, Nadavar East street,
Nagapattinam - 611109
Tamilnadu

Project: Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Date of Sample: 31.01.2020

Date of Tested: 01.02.2020

Location- A

<u>A</u>		<u>ABSTRACT</u>	
1	Natural ground level	M	: 0.000
2	Foundation level	M	: 2.000
3	Depth of foundation	M	: 2.000
4	Grain size Analysis:		
	Gravel	%	: 0.0
	Coarse sand	%	: 3.2
	Medium sand	%	: 7.2
	Fine sand	%	: 28.6
	Silt & clay	%	: 61.0
5	Atterberg's Limits:		
	Liquid limit	%	: 30.98
	Plastic limit	%	: 14.55
	Plasticity Index		: 16.43
6	Soil (IS) classification		: CH
7	Natural moisture content	%	: 18.26
8	Bulk density	g/cc	: 1.849
	Dry density	g/cc	: 1.564
9	Shear parameters		
	Cohesion (C)	Kg/cm ²	: 0.01
	Angle of internal friction (ϕ)	°	: 24.15
			[24° 9']
10	Net Ultimate safe bearing capacity (q_{nu})	T/Sqm	: 44.13
11	Safe Bearing Capacity (q_{ds})	T/Sqm	: 14.7

144 KN/sq.m

Supervised by
A.M. 06.02.2020

Note:

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- The results relate only to the samples tested.



Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Conti.,



E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.
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(Affiliated to Anna University Chennai)



B FORMULA AS PER IS:6403-1981

Net ultimate bearing capacity

$$q_{nu} = C N_c d_c s_c i_c + g D (N_q - 1) d_q s_q i_q + 0.5g B N_g d_g s_g i_g W'$$

N_c, N_q, N_g = Bearing capacity factors

g = Unit weight of soil below foundation base.

D = Depth of foundation

W' = Water table correction factor

S_c, S_q, S_g = Shape factor

For Strip footing

$S_c, S_q, S_g = 1$

For Rectangular footing

$S_c = 1 + 0.2 B/L, S_q = 1 + 0.2 B/L$ & $S_g = 1 - 0.4 B/L$

For Square footing

$S_c = 1.3, S_q = 1.2$ & $S_g = 0.8$

For Circular footing

$S_c = 1.3, S_q = 1.2$ & $S_g = 0.6$

d_c, d_q, d_g = Depth-factor

(Note: Correction factor is to be applied only when backfilling is done with proper compaction)

$d_c = 1 + 0.2 \times (D_f / B) \tan (45^\circ + \phi' / 2)$

$d_q = d_g = 1$ for $\phi' < 10^\circ$

$d_q = d_g = 1 + 0.1 \times (D_f / B) \tan (45^\circ + \phi' / 2)$ for $\phi' > 10^\circ$

i_c, i_q, i_g = Inclination factor for the load inclined at an angle to the vertical.

$i_c = i_q = (1 - \alpha^\circ / 90^\circ)^2$

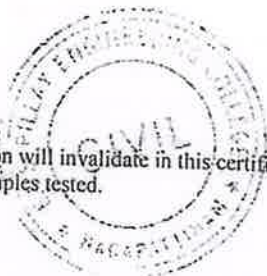
$i_g = (1 - \alpha^\circ / \phi')^2$

α° = inclination of the load with the vertical

Supervised by

Note:

1. Any correction without attestation will invalidate in this certificate
2. The results relate only to the samples tested.



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Conti.,



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(Affiliated to Anna University Chennai)



C. ANALYSIS

Type of failure : General shear failure

1	Assume Cohesion C	c	: 0.10	Kg/Sqm	=: 1.0	T/Sqm
2	Angle of internal friction	ϕ	: 24.15			
3	Width of foundation	B	: 1.30	M		
4	Length of foundation	L	: 1.30	M		
5	Bearing capacity factors					
			: 24.15	°		
		N_c	: 19.72		20	25
		N_q	: 9.94		14.83	20.72
		N_g	: 9.95		6.40	10.66
6	Shape factors				5.39	10.88
		S_c	: 1.20			
		S_q	: 1.20			
		S_g	: 0.60			
7	Depth factors					
8	Inclination factors	$d_c = d_q = d_g$: 1			
9	Water table correction factor	$i_c = i_q = i_g$: 1			
10	Unit weight of soil	w'	: 0.3			
11	Depth of foundation	g	: 1.849	g/cc	=: 1.849	T/Cum
12	Assume width	D	: 2.000	M		
		B	: 1.3	M		
13	Net Ultimate bearing capacity					
		$C N_c d_c s_c i_c$	(a) : 2.32	T/Sqm		
		$g D (N_q - 1) d_q s_q i_q$	(b) : 39.65	T/Sqm		
		$0.5 g B N_g d_g s_g i_g W'$	(c) : 2.15	T/Sqm		
		q_{nu}	a+b+c : 44.13	T/Sqm		
14	Factor of safety	F_s	: 3.0			
15	Safe bearing capacity q_{ds}	q_{nu} / F_s	: 14.71	T/Sqm		

144 KN/sq.m

Supervised by

Note:

- Any correction without attestation will invalidate in this certificate
- The results relate only to the samples tested.



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.



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Consultancy services
(Department of Civil Engineering)

Ref. No. EGSPEC/MT/4095/1/2020

Date: 12.02.2020

CONCRETE MIX DESIGN [M25 RCC]
(IS 10262-2019 & IS 456-2000)

To
The SALYA Construction.,
20, Nadavar East street,
Nagapattinam - 611109
Tamilnadu.

Name of Work: : Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Client Reference : SALYA/EGS/NGT/2020-21/002 DATED 30.01.2020

Requested on : 03.02.2020

Concrete Mix Design date: 11.02.2020

SOURCES OF MATERIALS

1	Coarse aggregate: 20mm & 12.5mm	: Best Blue Metal, Karur
2	Fine aggregate: M-Sand	: Best Blue Metal, Karur
3	Cement brand	: Dalmia Cement
4	Admixture brand	: Sika India Pvt Ltd.,

DESIGN STIPULATIONS

1	Grade Designation	: M25 RCC
2	Type of cement	: OPC-53 Grade
3	Max. Nominal Size of aggregate	: 20mm
4	Minimum Cement Content	: 320 Kg/cu.m
5	Maximum Water cement ratio	: 0.45
6	Workability	: 25 - 75mm
7	Exposure conditions	: Moderate
8	Maximum temperature of concrete at the time of placing	: 40°C
9	Method of transporting / placing	: Transit mixture / Self Loading Mixer
10	Early age strength requirement (if reqd.)	: Not Applicable
11	Type of aggregate	: Angular
12	Maximum Cement content	: 450 Kg/Cum
13	Type of admixture	: Super plasticizer cum retarder

A. M. 12.2.2020



Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering



E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.
(An ISO 9001:2015 Certified Institution)
(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
(Affiliated to Anna University Chennai)



TEST DATA FOR MATERIALS

Proportion of Coarse aggregate : Fine aggregate	
1	% of C/A to the total weight of aggregate : 58%
2	% of F/A to the total weight of aggregate : 42%
Proportions in C/A:	
3	% of 20 mm : 45%
4	% of 12.5 mm : 65%
5	Specific gravity of 20 mm : 2.833
6	Specific gravity of 12.5 mm : 2.817
7	Combined specific gravity of C/A : 2.824
8	Water absorption of 20 mm : 0.365%
9	Water absorption of 12.5 mm : 0.478%
10	Free surface moisture of 20 mm : 0.00%
11	Free surface moisture of 12.5 mm : 0.00%
12	Specific gravity of M-Sand : 2.727
13	Water absorption of M-Sand : 1.023%
14	Free surface moisture of M-Sand : 1.20%
15	Specific Gravity of Cement : 3.148
16	Specific Gravity of Admixture : 1.18

MIX CALCULATION

1	Target Mean strength : 31.60 N/mm ²
2	Water Cement ratio : 0.44
3	Mass of cement : 370.00 Kg
4	Mass of water : 163.000 Kg
5	Dosage of chemical admixture : 0.70%
6	Mass of chemical admixture : 2.590 Kg

AM 12.2.2020



Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering.



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Cont.,

<u>VOLUME OF CONCRETE</u>		:	1.000 Cum
1	Volume of cement	:	0.118 Cum
2	Volume of Water	:	0.163 Cum
3	Volume of Chemical admixture	:	0.002 Cum
4	Volume of all-in-aggregate	:	0.717 Cum
5	Mass of coarse aggregate	:	1175 Kg
	Mass of 20mm	:	529 Kg
	Mass of 12.5mm	:	646 Kg
6	Mass of Fine aggregate (M-Sand)	:	822 Kg

MIX PROPORTION

Ingredients	Per m ³ in SSD Condition	Per bag of cement in SSD Condition
	Kg.	Kg.
Cement	370	50.0
Water	163	22.0
Fine aggregate (M-Sand)	822	97.7
20mm	529	62.9
12.5mm	646	76.8
Chemical admixture	2.590	0.35

Proportion:	Cement	F/A	C/A	Water Cement ratio
	1	2.22	3.18	0.44

Slump Retention

	Initial	30'	60'	90'
Slump observation(mm)	168,170	142,135	108,105	72,70
Date of Casting	11.02.2020			
No. of Cubes casted	12 No's			

Temperature of Mix: 31.2 °C

Observations: Mix is cohesive

Workability: Good

Supervised by

Note:

1. Any correction without attestation will invalidate in this certificate
2. Materials were supplied by the job requester.
3. The results relate only to the samples tested.



Dr. R. SIVAKUMAR, Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE

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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MT/4275/2021

Date: 14.01.2021

COMPRESSIVE STRENGTH OF CONCRETE CUBES [RCC M25]

[As per IS:516]

To

The SALYA Construction.,

20, Nadavar East street,

Nagapattinam - 611109

Tamilnadu.

Name of Work: : Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Client Reference : SALYA/EGS/NGT/2021-22/005 DATED 07.01.2021

Part of Structure : Column C1

Grade of Concrete : RCC M25

Characteristic Compressive Strength: 25 N/mm²

Date of Cubes casting: 07.01.2021

Date of Testing (7 days): 14.01.2021

Size of Cube: 15cm x 15cm x 15cm

Volume of cube: 3375cc

Area of Cube: 225cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	1	8479	2.512	7	430	19.11	19.85	
2	2	8533	2.528	7	440	19.56		
3	3	8437	2.500	7	470	20.89		

Average compressive Strength: **19.85** N/mm² [7 days: \geq 16.75 N/mm²]

7 days Cubes Compressive Strength test results are within the limits.

Supervised by

Note:

1. Any correction without attestation will invalidate in this certificate
2. Materials were supplied by the job requester.
3. The results relate only to the samples tested.



Head of the Dept.

Dr.S. Anand Kumar Varma, M.E., Ph.D.,

Professor & Head

Dept. of Civil Engineering

E.G.S. Pillay Engg. College

(Autonomous)

Nagapattinam - 611 002.

Tamilnadu



E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

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(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MT/4275/2021

Date: 14.01.2021

COMPRESSIVE STRENGTH OF CONCRETE CUBES [RCC M25]

[As per IS:516]

To

The SALYA Construction.,

20, Nadavar East street,

Nagapattinam - 611109

Tamilnadu.

Name of Work : Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Client Reference : SALYA/EGS/NGT/2021-22/005 DATED 07.01.2021

Part of Structure : Column C1

Grade of Concrete : RCC M25

Characteristic Compressive Strength: 25 N/mm²

Date of Cubes casting: 07.01.2021

Date of Testing (28 days): 04.02.2021

Size of Cube: 15cm x 15cm x 15cm

Volume of cube: 3375cc

Area of Cube: 225cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	1	8561	2.537	28	680	30.22	28.59	
2	2	8492	2.516	28	610	27.11		
3	3	8509	2.521	28	640	28.44		

Average compressive Strength: 28.59 N/mm² [28 days: ≥ 25 N/mm²]

28 days Cubes Compressive Strength test results are within the limits.

Supervised by

Note:

1. Any correction without attestation will invalidate in this certificate
2. Materials were supplied by the job request.
3. The results relate only to the samples tested.



Head of the Dept.

Dr.S. Anand Kumar Varma, M.E., Ph.D.

Professor & Head

Dept. of Civil Engineering

E.G.S. Pillay Engg. College

(Autonomous)

Nagapattinam - 611 002.

Tamilnadu

Rtn. MPHF. P.Sundaravelu, B.E.,
Consulting Civil Engineer.



Letter No.: SALYA/EGS/NGT/2020-21/001

Date: 21.01.2020

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Project:Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.

Subject: Requesting quotation for Construction of SidharKovil School Building, Vadakku Poigainallur, Nagapattinam.

Dear Sir,

Here with please kindly send me the quotation for **Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.** As we discussed, the required Soil investigation, building planning & Estimation, Material testing along with concrete Mix design, Concrete cubes compressive strength, Field inspection and overall consultancy charges.

This is for your kind information.

Thanking you and assuring of our best services at all times.

For SALYA CONSTRUCTION

Authorised Signatory

Builders

Planners

Architects

20, Naduvar East Street, Nagapattinam - 611 001. Tamil Nadu, India. Ph: 04365 241315, Cell: 98424 41315.

www.salya.in salyaconstruction@yahoo.com

Rtn. MPHF. P.Sundaravelu, B.E.,
Consulting Civil Engineer.



Letter No.: SALYA/EGS/NGT/2020-21/002

Date: 30.01.2020

To

The Head of the Department,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Project: Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.

Subject: Acceptance - Requesting quotation for Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.

Reference: EGSPEC/MTR/4079/2020 Dated 27.01.2020

Dear Sir,

Here with please kindly send me the quotation for **Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.** As we discussed, the required Soil investigation, building planning & Estimation, Material testing along with concrete Mix design, Concrete cubes compressive strength, Field inspection and overall consultancy charges.

As we discussed, we accepted your term and conditions, please kindly proceed required further activities.

This is for your kind information.

Thanking you and assuring of our best services at all times.

For SALYA CONSTRUCTION

Authorised Signatory

Builders

Planners

Architects

20, Naduvar East Street, Nagapattinam - 611 001, Tamil Nadu, India. Ph: 04365 241315, Cell: 98424 41315.
www.salya.in salyaconstruction@yahoo.com

Rtn. MPHF. P.Sundaravelu, B.E.,
Consulting Civil Engineer.



Letter No.: SALYA/EGS/NGT/2020-21/003

Date: 31.01.2020

To

The Head of the Department,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Project: Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.

Subject: Requesting Soil Investigation (SBC Value) for Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.

Dear Sir,

Here with please kindly Requesting Soil Investigation (SBC Value)for Construction of SidharKovil School Building, VadakkuPoigainallur, Nagapattinam.

This is for your kind information.

Thanking you and assuring of our best services at all times.

For SALYA CONSTRUCTION

Authorised Signatory

Builders

Planners

Architects

20, Naduvar East Street, Nagapattinam - 611 001. Tamil Nadu, India. Ph: 04365 241315, Cell: 98424 41315.

www.salya.in

salyaconstruction@yahoo.com



E.G.S. PILLAY ENGINEERING COLLEGE (Autonomous)

Nagapattinam - 611 002, Tamilnadu, India.

Provisionally Accredited by NBA (CSE, EEE, Mech, IT, ECE, Civil)

Accredited by NAAC with 'A' Grade

Affiliated to Anna University, Chennai / Approved by AICTE, New Delhi

An ISO 9001 : 2015 Certified Institution

Website: www.egspec.org, Email: principal@egspec.org, Ph: (04365) 251112, Fax: (04365) 251114

Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/4079/2020

Date: 27.01.2020

To
The SALYA Construction.,
20, Nadavar East street,
Nagapattinam - 611002
Tamilnadu

Project: Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Subject: Requesting quotation for Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Reference: SALYA/EGS/NGT/001 Dated: 21.01.2020

Respected Sir,

You have requested quotation based on discussion as for proposed Siddhar Kovil School Building @ Nagapattinam the following details evaluated.

1. Soil Investigation
2. Building Planning, Designing, Estimation and Consultancy charges
3. Material testing along with concrete Mix design
(Materials- Coarse Aggregate: 40mm, 20mm, & 12.5mm
Fine Aggregate: M-Sand & P-Sand
Water, Cement and Admixture
Bricks: Fly ash Bricks
Steel: TMT Bars Fe-500
4. Concrete Cubes Compressive strength charges
5. Field Inspection charges / Consultancy

Here with as we discussed, the above-mentioned Consultancy / Testing charges value is 6.50% made by the approximant project total Estimation value. [GST Excluding]

For EGSPEC

[Signature]
27.1.20
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head

Head of the Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Encl: As stated above

Received
[Signature]



E.G.S. PILLAY ENGINEERING COLLEGE (Autonomous)

Nagapattinam - 611 002, Tamilnadu, India.

Provisionally Accredited by NBA (CSE, EEE, Mech, IT, ECE, Civil)

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Website: www.egspec.org, Email: principal@egspec.org, Ph: (04365) 251112, Fax: (04365) 251114

Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/4097/2020

Date: 10.03.2020

QUOTATION

To
The SALYA Construction.,
20, Nadavar East street,
Nagapattinam - 611002
Tamilnadu.

Project: Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Subject: Requesting quotation for Construction of Sidhar Kovil School Building, Vadakku Poigainallur, Nagapattinam.

Reference: SALYA/EGS/NGT/002 Dated: 30.01.2020

SALYA/EGS/NGT/003 Dated: 31.01.2020

Respected Sir,

You have requested quotation based on discussion as for proposed Siddhar Kovil School Building @ Nagapattinam the following details evaluated.

1. Soil Investigation
2. Building Planning, Designing, Estimation and Consultancy charges
3. Material testing along with concrete Mix design
(Materials- Coarse Aggregate: 40mm, 20mm, & 12.5mm
Fine Aggregate: M-Sand & P-Sand
Water, Cement and Admixture
Bricks: Fly ash Bricks
Steel: TMT Bars Fe-500
4. Concrete Cubes Compressive strength charges
5. Field Inspection charges / Consultancy

Received
Emmanuel

For EGSPEC Consulting Authorized persons

Dr. R.Sivakumar, (Prof/Civil)

A.Arjunan, Asso.Prof/Civil

+91-9443533554

+91-9791268159

Email: siva7570@gmai.com

Email: arjunan86@gmail.com

10-3-20
S. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
S. Pillay Engineering College,
Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE (Autonomous)

Nagapattinam - 611 002, Tamilnadu, India.

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Here with as we discussed, the following Consultancy / Testing charges are evaluated

Total Project Estimation Value (-): 16,600,000.00 (One Core sixte-six lakhs rupees only)		
		Amount (Rs.)
Consultancy / Testing Charges	6.50 % of Estimation value	10,79,000.00
GST	CGST	97,110.00
	SGST	97,110.00
	Total Charges	12,73,220.00
Amount in Words: Twelve lakhs seventy-three thousand two hundred twenty rupees only		

1st term, 2nd term & 3rd term to be release as we discussed, by the year of every quarterly.

Total Project Estimation Value (-): 16,600,000.00 (One Core sixte-six lakhs rupees only)		
I-TERM PAYMENT		
		Amount (Rs.)
Consultancy / Testing Charges	6.50 % of Estimation value	10,79,000.00
Consultancy / Testing Charges (1 st term)	3.00 % of Estimation value	4,98,000.00
GST	CGST (9%)	44,820.00
	SGST (9%)	44,820.00
	Total Charges	5,87,640.00
Amount in Words: Five lakhs eighty-seven thousand six hundred fourty rupees only		

10.13.22
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Received
Emmanuel



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Website: www.egspec.org, Email: principal@egspec.org, Ph: (04365) 251112, Fax: (04365) 251114

Total Project Estimation Value (-): 16,600,000.00 (One Core sixte-six lac rupees only)

II - TERM PAYMENT

		Amount (Rs.)
Consultancy / Testing Charges	6.50 % of Estimation value	10,79,000.00
Consultancy / Testing Charges (2 nd term)	2.00 % of Estimation value	3,32,000.00
GST	CGST (9%)	29,880.00
	SGST (9%)	29,880.00
Total Charges		3,91,760.00

Amount in Words: Three lakhs ninety-one thousand seven hundred sixty rupees only

Total Project Estimation Value (-): 16,600,000.00 (One Core sixte-six lac rupees only)

III - TERM PAYMENT

		Amount (Rs.)
Consultancy / Testing Charges	6.50 % of Estimation value	10,79,000.00
Consultancy / Testing Charges (3 rd term)	1.50 % of Estimation value	2,49,000.00
GST	CGST (9%)	22,410.00
	SGST (9%)	22,410.00
Total Charges		2,93,820.00

Amount in Words: Two lakhs ninety-three thousand eight hundred twenty rupees only

The required Soil investigation, Materials sampling / testing already completed. The Building Planning, Drawing Designing and Estimation works in completion stage. As we discussion, Please kindly release as earliest advance of I-term payment value.

For EGSPEC

Dr. R. SIVAKUMAR, Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Received
Emmanuel

Terms & Conditions:

Payment & Terms: 1st term, 2nd term & 3rd term to be release as we discussed, by the user of

VALID FOR THREE MONTHS ONLY
11012020
DDMMYY



ICICI Bank
NAGAPATTINAM Branch
P.B.No.3,40, Netai South Street, Nagapattinam - 611 001.
RTGS / NEFT / IFSC Code : ICIC0006994

Pay Roadd. consaltory, E.G.S.Pillay Engineering College, Nagapattinam OR ORDER

Rupees Five lakhs Eighty Seven thousand Six hundred and forty only

₹ 5,87,640/-

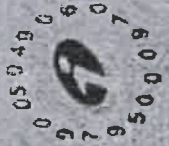
A/c No. 609405009795

CABUS CBS
BUSINESS BANKING : CURRENT ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India

SALYA CONSTRUCTION

AUTHORISED SIGNATORIES

Please sign here



11/3/21



⑈000970⑈ 611229002⑈ 009795⑈ 29



PRIVILEGE

VALID FOR THREE MONTHS ONLY

NAGAPATTINAM Branch
P.B.No.5, 40, Neele South Street, Nagapattinam - 611 401.
RTGS / NEFT / IFS Code : ICIC006094

03032021

DDMMYY

OR ORDER

Pay Ram D. Consultancy, E.A.S Pillay Engineering College, Nagapattinam.
Rupees Three Lacks Ninety One Thousand Seven Hundred
and Sixty Only.

₹ 3,91,760/-

A/c No. 609405009795

CABUS CBS
BUSINESS BANKING : CURRENT ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India

11/3/21

SALYA CONSTRUCTION



AUTHORISED SIGNATORIES

Please sign above

⑈000984⑈ 611229002⑈ 009795⑈ 29

ICICI Bank

NAGAPATTINAM Branch
P.B.No.5,40, Meela South Street, Nagapattinam - 611 001.
RTGS / NEFT / IFSC Code : ICIC0006094



VALID FOR THREE MONTHS ONLY

23022022
DDMMYY

Pay Ram D Coasaltany, E.G.S Pillay Engineering College, Nagapattinam OR ORDER

Rupees Two lakhs thirty thousand Eight hundred
and twenty only

₹ 2,93,820/-

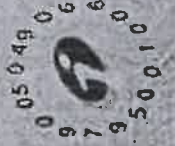
Ac No. 609405009795

SALYA CONSTRUCTION

AUTHORISED SIGNATORIES

Please sign above

CABUS CBS
BUSINESS BANKING : CURRENT ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India



11/3/21



⑈001006⑈ 611229002⑈ 009795⑈ 29

SIDHAR KOVIL SCHOOL BUILDING CONSTRUCTION

PHOTOS

Location: Construction of Sidhar Kovil Building, Vadakku Poigainallur, Nagapattinam



CONSULTANCY PROJECT

ON

“ERP”

WORK DONE BY

Dr.J.VANITHA

PROFESSOR/HOD/MCA

Mrs.C.MALLIKA

ASSOCIATE PROFESSOR

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

E.G.S PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002,

TAMIL NADU

<http://www.egspec.org>

Ph: 04365 - 251112

CUSTOMER ADDRESS

D. G. GOVERNMENT ARTS COLLEGE FOR WOMEN

Dharumapuram Road

Mayiladuthurai

Nagapattinam, Tamil Nadu 609001

S. No	DETAILS	PAGE NO.
01	Requisition Letter to College	1
02	Institution Profile	2
03	Department Profile	4
04	Acceptance Letter from College	6
05	Project Proposal	7
06	Project Coordinator Details – Appendix - I	8
07	Project Review	9
08	Certificate from Company and Payment Details	12

1. INSTITUTION PROFILE

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2nd January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19th year of excellent service in the year of 2014. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,

The college offers 6 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

UG Courses:

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology

PG Courses:

- Master of Business Administration
- Master of Computer Applications
- M.E – Manufacturing Engineering
- M.E – Computer Science and Engineering
- M.E – Communication Systems
- M.E – Power Electronics and Drives

Vision of the Institute

Envisioned to transform our institution into a "Global Centre of Academic Excellence"

Mission of the Institute

- i. To provide world class education to the students and to bring out their inherent talents
- ii. To establish state-of-the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes
- iii. To recruit competent faculty and staff and to provide opportunity to upgrade their
- iv. knowledge and skills
- v. To have regular interaction with the Industries in the area of R&D and offer consultancy, training and testing services
- vi. To establish centers of excellence in the emerging areas of research
- vii. To offer continuing education and non-formal vocational education programmes that are beneficial to the society

2. DEPARTMENT PROFILE

The department of computer applications focuses on making industry ready IT professionals by imparting quality computer education along with excellent interpersonal skills. It offers 3 years Full time MCA course to the students. Started in the year of 2001, the course was approved by Bharathidasan University, Trichirappalli. In 2003, Anna University, Chennai recognized and approved the course. The current intake of students is 60 per academic year.

DEPARTMENT VISION

To produce software professionals with Academic Excellence in Computer Applications

DEPARTMENT MISSION

- To make software professionals and entrepreneurs by imparting quality computer education.
- To promote inter-disciplinary research among the faculty and the students to create state of art research facilities.
- To prepare the students to be professionally competent to face the challenges in the industry.

To promote quality and ethics among the students.

Programme Educational Objectives (PEO)

The PEO of MCA programme are as follows.

PE01: To employ solid foundation in mathematical and computing fundamentals and techniques to develop software solutions.

PE02: To apply good computing breadth so as to comprehend, analyze, design and create computing solutions for the real-life problems and entrepreneurial skills with arich set of communication, teamwork and leadership skills to excel in their profession.

PE03: To show continuous improvement in their professional career through life-long learning, understand the human values and ethics.

IV Program Outcomes (PO)

Graduates will be able to

PO1:Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

PO2:Identify, formulate, research literature, and solve *complex* computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

PO3: Design and evaluate solutions for *complex* computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to *complex* computing activities, with an understanding of the limitations.

PO6: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.

PO7: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

PO8: Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO9: Communicate effectively with the computing community, and with society at large, about *complex* computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clearinstructions.

PO10: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

PO11: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

PO12: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

V. Program Specific Outcomes (PSO)

Graduates will be able to

PSO 1: Apply software engineering principles in the design and development of web and mobile applications

PSO 2: Manage and analyze huge volume of data in real world problems

Features of the Department

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields
- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programmer like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department library has an extensive collection of academic books in the areas of latest technologies
- The department has stable, highly qualified and experienced staff members in the staff student ratio of 1:15

Laboratory facilities

Each laboratory is fully equipped to meet the requirement of Anna University Syllabi. The students can train themselves in the Laboratories with the guidance of the faculty during and after the college hours. The laboratory facilities are constantly upgraded to take care of the technological Changes in the respective disciplines.

Department Servers and Software Details

- Microsoft Windows Server 2003
- Linux Fedora v19
- Oracle 11i Data base Server Workstations
- 471 Core i3 and Pentium based systems with multimedia facilities
- Capable of getting connected to all server and every other systems over TCP/IP backbone
- All systems having access with Internet/Intranet
- Software
- Microsoft Windows Server 2003
- CentOS 5.3 (For C & C++ programming and Script languages)
- Free BSD
- Oracle 11i
- IBM DB2
- PowerBuilder
- Sybase
- Microsoft Office 2007
- Microsoft Visual Studio 6.0
- Microsoft Visual Studio 2010
- Mathematica
- IDL (Image Processing Tools)
- MathCAD
- IBM Rational Suite and IBM Rational Architect
- Macromedia Flash and Dreamweaver
- Front Page Express
- Novell Netware
- Adobe Photoshop
- Network Simulator – 2 (Free Ware for Both Windows and Linux)
- .netbeans Developer
- Sun JDK, J2EE and J2ME
- Internet Facilities
- 16 Mbps leased line from Reliance

Priority Research Areas

1. Cloud Computing
2. Data Analysis
3. Data Mining and Warehousing
4. Network Security
5. Image Processing
6. Mobile Application Development
7. Ubiquitous Computing
8. Sensor Computing
9. Natural Language Processing
10. Green Computing



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

Ref.No:EGSPEC/MCA/ CW/ERP/2021/01

Date: 03/08/2021

To

The principal
D.G.Governmentarts college for women
Dharumapuram Road
Mayiladuthurai
Nagapattinam, Tamil Nadu 609001

Respected Sir,

Sub: Consultancy Work – Reg

We are performing some consultancy work in our department to intrude the manual generated works. We come to know that you follow so many manual works in your exam cell seating arrangement and you have more customers, if you want the things to be altered, we are ready to support you. Also we enclose the details about us. Hence, we kindly request you to give an opportunity.

Thanking you,

With regards


[Dr. J. Vanitha]

Contact Details

Dr. J. Vanitha
Professor/HOD/MCA
Department of MCA,
E.G.S. Pillay Engineering College,
Nagapattinam.



DHARMAPURAM GNANAMBIGAI
GOVT. ARTS COLLEGE FOR WOMEN
தருமபுரம் ஞானாம்பிகை
வரசினர் மகளிர் கலைக்கல்லூரி
மயலிசோடுதுறை
இந்திய அரசு சர்க்காருக்கான "A" வகைப்பாட்டு பெற்றுள்ளது

Ref.No:EGSPEC/MCA/ CW/ERP/2021/01

Date: 13/08/2021

To

Dr. J.Vanitha
Professor/MCA/HOD
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.

Respected Madam,

As a conversational expression of gratitude, we received your requisition letter. We are in necessitate of "ERP" software for our company to foreshorten the manual work , since there are more number of customers in our company, hope your project will satisfy our requirements.

We are contrived to accept your request. We are waiting for more details about your project as early as possible.

Thanking You,

Yours truly,

[A. RASANNAKUMARI]



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

Ref.No:EGSPEC/MCA/ CW/ERP/2021/02

Date: 30/08/2021

To

The principal
D.G.Government arts college for women
Dharumapuram Road
Mayiladuthurai
Nagapattinam,
Tamil Nadu 609001

Respected Sir,

Sub: Consultancy Work – Reg.

We have attached accomplished project proposal according to your kind reference, we hope that our project will be successful if have good communication between us. So, I kindly request you to fix one date for discussing the project details. In this meeting we will discourse the following project requirements, documentation, reporting, budget and any further details need by you. We are waiting for your positive reply.

Thanking you,

With regards
[Dr. J.Vanitha]

Contact Details

Dr. J.Vanitha

Professor

Department of MCA,

E.G.S.Pillay Engineering College,

Nagapattinam.



DHARMAPURAM GNANAMBIGAI
GOVT. ARTS COLLEGE FOR WOMEN
தருமபுரம் ஞானம்பிகை
வரசினர் மகளிர் கலைக்கல்லூரி
மதுரை (தமிழ்நாடு)
நாடு முழுமளவுக்கு "A" வகைப்பாட்டு பெற்றது

Ref.No:EGSPEC/MCA/ CW/ERP/2021/02

Date: 03/09/2021

To

Dr. J.Vanitha
Professor
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.

Respected madam,

Thanks for your concern. It will be favour for us if you can unionize the review meeting for the discussion of project proposal on 03/08/2021. We hereby put the demand of following details such as project coordinators details, evaluation model and completed status for each module. I hope two more review will be arranged to check the progress of your consultancy work. It will be tentatively on 10.09.2021 and 11.09.2021. We would like to furnish the following requirements of us.

- Add the one more Menus for Details
- Hall Details send to through SMS

Thanking You,

Yours truly,

[A. RASANNAKUMARI]



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

Ref.No:EGSPEC/MCA/ CW/ERP/2021/03

Date: 11/09/2021

To

The Principal
D.G.Government Arts College for women
Dharumapuram Road
Mayiladuthurai
Nagapattinam, Tamil Nadu 609001

Respected Sir,

Sub: Consultancy Work – Reg.

We have successfully completed the systemized entry details, automatically show the rest of goods, SMS facility as per your requirements please kindly ensure and intimate us immediately for any changes. The remaining modules will be completed as early as possible.

Thanking You,

With regards

[Dr. J. Vanitha]

Contact Details

Dr. J. Vanitha
Professor
Department of MCA,
E.G.S. Pillay Engineering College,
Nagapattinam.



**DHARMAPURAM GNANAMBIGAI
GOVT. ARTS COLLEGE FOR WOMEN**
**தருமபுரம் ஞானம்பிகை
வரசினர் மகளிர் கலைக்கல்லூரி**
மதுரை (தமிழ்நாடு)
இந்திய அரசின் உயர்நிலைப்பரீட்சை 'A' வகைப்படுத்தப்பட்டது

Ref.No:EGSPEC/MCA/ CW/ERP/2021/03

Date: 21/09/2021

To

Dr. J.Vanitha
Professor/HOD/MCA
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.

Respected madam,

Thank you, we are satisfied with your project that you have so far completed. It will be reformative to us if you complete the forth coming module within the tentative date near the deadline.

Thanking you,

Yours truly,

[A. ASANNAKUMARI]



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

Ref.No:EGSPEC/MCA/ CW/ERP/2021/04

Date: 23/11/2021

To

The principal
D.G.Governmentarts college for women
Dharumapuram Road
Mayiladuthurai
Nagapattinam, Tamil Nadu 609001

Respected Sir,

Sub: Consultancy Work – Reg.

It gives me heart full of happiness to inform that our students has successfully completed the project work "ERP", this project has been verified in our Department premises and worked properly.

We request you to make yourself convenient to see the demonstration of the ERP and thereafter to release the payment 70,000/- for this project.

Thanking You,

With regards


[Dr. J. Vanitha]

Contact Details

Dr. J. Vanitha
Professor
Department of MCA,
E.G.S. Pillay Engineering College,
Nagapattinam.



**DHARMAPURAM GNANAMBIGAI
GOVT. ARTS COLLEGE FOR WOMEN**
**தருமபுரம் ஞானம்பிகை
அரசினர் மகளிர் கலைக்கல்லூரி**
மயசூரர்சேதுமேடு
நெடுமேடு கிணங்குளத்தில் "A" கல்வியியல் கல்லூரி

Ref.No:EGSPEC/MCA/ CW/ERP/2021/04

Date: 03/12/2021

To

Dr. J.Vanitha
Professor/HOd/MCA
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.

Respected Madam,

We congratulate you and your team for successful completion of the "ERP" software as per our requirements. We have completely satisfied with the performance of the software after the demonstration given by your team to us on 23.11.2021

Hence, as discussed, we have enclosed a cheque No.000782, date 08.12.2016 of Indian Bank for Rs. 5,618/- favouring "The Principal, EGSPEC, Nagapattinam".

We once again felicitate the students who have taken the project work and the staff member.

Thanking you

Yours truly,

[A. RASANNAKUMARI]

PROJECT PROPOSAL

01	Title of the Project(Consultancy)	:	ERP
02	Type of the Project	:	Consultancy Project
03	Name & Designation of the Project Coordinators	:	Dr. J.Vanitha Prof/MCA
04	Postal Address of the Principal Investigator	:	Old Nagore Road, Thethi Village, Nagore – Post, Nagapattinam – 611 002
05	Contact Phone numbers of the Project Coordinators	:	Mrs. C.Mallika Project Coordinator Contact No9442160758 Email: mallika@egspec.org
06	Name of the Institution / Organization in which the project will be carried out	:	E.G.S.Pillay Engineering College, Nagapattinam
07	Duration of the Project	:	August2021 – January2022(6 months)
08	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	:	Enclosed separately – Annexure 1
09	An abstract, not exceeding one page describing the background, objectives methodology & year wise budget	:	Enclosed separately – Annexure 2
10	Project Work Plan	:	Enclosed separately – Annexure 3
11	Facilities available at the Institution / organization to carry out the project	:	Open Source Lab, Cloud Campus, Android Apps development Centre

Place: Nagapattinam

Date: 10.08.2021



Signature of the

Head of the Department

with Seal

Dr.J. VANITHA
Head of the Department
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam - 611 002.



Signature of Project Coordinator(s)



Signature of the

Head of the Institution

with Seal

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

Annexure - 1

DETAILS OF BUDGET

	Descriptions	Total (Rs.)
A	Expenses Recurring/Non-Recurring(Salary/Cost of Labor, Software development , Travel and others)	2000
B	Testing & Documentation charge	9,600
C	Institutional overhead charge (10%) of (A) + 50%(B)	5,000
D	Total Charges(A+B+C)	10,000
E	Service Tax (12%)	3000
F	Education Cess(3%) of (Service Tax)	7000
G	Total Amount	70,000

ABSTRACT

Exam hall seating allocation is one of the major concerns in quality education. When the number of students, subjects, departments and rooms gets increased exam hall seating management becomes complex. Maintaining a decent exam environment with the proper seating arrangement is one of the difficult jobs for the institutions. This project provides solution to exam seating arrangement problems that can be achieved through the execution of proposed chromatic polynomial algorithm. This project provides solution for preventing some exam hall plagiarisms by arranging seats for large number of students and it also finds out the best combination of rooms to be assigned for the exam to organize perfect seating based on the capacity of the exam hall, number of students, differentiation of subjects. It provides better hall seating plan than the manual system used by the institutions. The project maintains various details in modules such as Students Details, Staff Details, and Hall Details with proper descriptions. It also has some features to generate reports for absentee's list using image processing.

Language:- ASP.NET

Backend:- SQL-Server

Annexure - 3

Work Plan

Phase	Primary Objective	Scheduled start or milestone
Planning/ Requirement Analysis	<ul style="list-style-type: none">✓ Analyzing Requirements✓ Collecting Project Requirements	Aug 2021
Elaboration	<ul style="list-style-type: none">✓ Identifying Technical Assistant✓ Installation and Setup✓ Purchasing	Sep2021
Designing	<ul style="list-style-type: none">✓ Designing Prototype Model✓ Project Review Status Preparation Submission✓ Project Modules Preparation	Oct 2021
Implementation	<ul style="list-style-type: none">✓ Start to develop Coding each Modules✓ Identify the Risk and Measure the values of on it.	Nov2021
Construction	<ul style="list-style-type: none">✓ Complete the Project and meet with Abstract✓ Project Final Phase meeting	Dec 2021
Transitions /End	<ul style="list-style-type: none">✓ Preparing Documentation Part✓ Final Project Presentation	Jan2022

EXPECTED OUTCOME

Through our system we can systematically work to achieve the following expected outcomes.

- a. Easy to handle and operate.
- b. Friendly interface.
- c. Fast and convenient.
- d. Less human effort.
- e. Easy to update.
- f. Easy message passing.
- g. Smart way of communication
- h. No paper work required

**EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

Utilization Certificate

Name of the Project	ERP
Name of the Coordinator(s)	Dr. J.Vanitha Prof/MCA Mrs. C.MallikaAsoc Prof/mca
Name of the Agency	DharmapuramGnanambigai Government Arts College
Type of Project	Consultancy work
Duration	Aug 2021 – Jan 2022
Project Cost	70,000

This certificate is an acknowledgment of the expenditure incurred in executing the consultancy work mentioned above. The accounts are duly submitted to the R&D Cell and verified by the principal.

S.No	Itemized list of expenses Incurred	Amount (Rs)
1.	Remuneration for two Project Coordinators (12 months*Rs.2000/pm) * 2	2000
2.	Remuneration for Technical Assistant (12 months * Rs.1000/pm)	9,600
3.	Preprocessing and Component Preparation	5,000
5.	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	10,000
6.	Travel	3000
7.	Institutional overhead charges	7000
	Total expenses incurred	70,000
	Income generated through Consultancy	70,000

1. Dr.J.VANITHA PROF/HOD/MCA

2. Mrs.C.MALLIKA AP/MCA


Name and Signature
of Coordinator



Name and Signature of
Head of Institution
Dr. S. RAMABALAN, M.E., Ph.D.,
With seal
PRINCIPAL

E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

Signature (With Seal) of the Auditor/Accounts Officer



Branch: BKM
THANE, Maharashtra 4000700
IFSC Code: IDIB000T129

08122021
D D M M Y Y Y Y

The Principal EOPEC
Seventy Thousand Only

वा शिरो को OR BEADER

अदा करें

₹ 70,000

602 911 8257

FOR

CBS Code: 01591

A. P. ...
AUTHORISED SIGNATORY/IES
Please sign above

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

VOUCHER

Dept :

Lab/Ws :

Vr. No.:

Date : 08-12-21

Particulars	Rs.	P.
Paid to Thiru Dr. J. Nandha Mrs. C. Malika		
Towards..... Consultancy Project I. ERPJ	70,000	-
A sum of Rupees Seventy thousand only / -		
Received payment	70,000	-

[Signature]
Signature of Payee

[Signature]
Accounts Supdt.

Secretary

[Signature]
Principal

CONSULTANCY WORK
VISION BASED ACTIVITY MONITORING
FOR SURVEILLANCES APPLICATIONS

CUSTOMER DETAILS
VI Technology,
Chennai – 600096

Coordinator

Dr. M. Priya

PROFESSOR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
E.G.S PILLAY ENGINEERING COLLEGE
NAGAPATTINAM – 611 002,
TAMIL NADU

<http://www.egspec.org>

Ph: 04365 – 251112

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Consultancy Work
on the use of audio components for multimedia applications.

**" VISION BASED ACTIVITY MONITORING FOR SURVEILLANCES
APPLICATIONS "**

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E. G.S.PILLAY ENGINEERING COLLEGE (Autonomous)

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)

(Accredited by NAAC with 'A' Grade)

(Accredited by NBA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

29/10/2020

To

Mr. Parameswaran.N
Manager
VI Technology,
Perungudi
Chennai – 600096

Sir

Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

We are happy to inform you that we are pioneer in delivering high quality educational service in Nagapattinam which is a typical rural and backward area of Tamil Nadu. The main motto of our honorable founder Dr. Chevalier E.G.S Pillay sir apart from education was to extend our services to needy people. We are doing consultancy work for the betterment of the society. Kindly let us know about your requirements if you need any consultancy service with us. Herewith we send institution, department and coordinator profile for your kind reference.

Hence we request you give a positive response from your side.

Thanking You

Yours Sincerely
(Dr.M.Priya)

Contact Details

Dr.M.Priya
Professor/CSE
Email Id: priya74@egspec.org
Contact No: 9442011944



1. INSTITUTION PROFILE

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late. G. S. Pillay. He was born on 2nd January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr. G. S. Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 25th year of excellent service. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,

The college offers 8 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

UG Courses:

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.E – Bio Medical Engineering
- B.Tech – Information Technology
- B.Tech – Computer Science and Business System

PG Courses:

- Master of Business Administration
- Master of Computer Applications
- M.E – Manufacturing Engineering
- M.E – Computer Science and Engineering
- M.E – Communication Systems
- M.E – Power Electronics and Drives

M.E – Environmental Engineering

Vision:

- Envisioned to transform our institution into a "Global Centre of Academic Excellence"

Mission:

- To provide world class education to the students and to bring out their inherent talents
- To establish state-of- the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes
- To recruit competent faculty and staff and to provide opportunity to upgrade their knowledge and skills
- To have regular interaction with the Industries in the area of R&D and offer consultancy, training and testing services
- To establish centers of excellence in the emerging areas of research
- To offer continuing education and non-formal vocational education programmes that are beneficial to the society

2. DEPARTMENT PROFILE

The department has well qualified and experienced staff and it continually updates its laboratories with modern facilities. The department conducts various seminars and workshop periodically. Various associations are formed related to the department. The students are given different mini-projects in the pre-final year so that their individual ideas can be implemented. The staff and students are encouraged to present papers at various colleges and many have won prizes in the face of stiff competitions.

Vision:

- To produce globally competent computer professionals capable of adapting to the ever-changing technological trends of Industry and Society

Mission:

- To build the core competence desirable for a computer professional such as design, development, testing and maintenance of software systems to work on real world projects, and meet the expected standards of Industry
- To train the students to acquire higher order skills of emerging technologies to make them preferable for employers
- To provide state-of-the-art learning facilities for effective implementation of learner centric teaching-learning process to develop professional skills, self-learning and lifelong learning capabilities

PROGRAMME EDUCATIONAL OBJECTIVES

The current PEO statements targeted for B.E – Computer Science & Engineering are given below.

PEO1: To develop strong knowledge and skills in the domain of Computer Science and Engineering for leading a successful career in industries or entrepreneurial endeavors.

PEO2: To prepare and assist the graduates to be successful in higher education and research activities in the theory and application of computing related engineering fields.

PEO3: To train the graduates to learn and adapt to the ever-changing world of technology.

PROGRAM SPECIFIC OUTCOMES

The graduates will have

PSO1: The ability to apply software engineering principles and practices to design and develop software systems that meet the automation needs of industrial and societal problems.

PSO2: The ability to apply their technical skills and knowledge gained in the fields such as

Artificial Intelligence, Data Science, Cloud Computing, Social Network Analysis and Mobile Application development.

PROGRAMME OUTCOMES

Graduates will be able to

- PO1:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- PO6:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12:** Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Courses Offered

B.E – Computer Science & Engineering.

M.E – Computer Science & Engineering.

Association Name

CEA – Computer Engineers Association

Features of the Department

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields
- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programme like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department has stable, highly qualified and experienced staff members in the staff student ratio of 1:15

Laboratory facilities

Each laboratory, is fully equipped. The students can train themselves in the Laboratories with the guidance of the faculty during and after the college hours. The laboratory facilities are constantly upgraded to take care of the technological Changes in the respective disciplines.

Department Servers and Software Details

- Microsoft Windows Server 2003
- Linux Fedora v19
- Oracle 11i Data base Server
- Core i5 Pentium based systems with multimedia facilities
- Capable of getting connected to all server and every other systems over TCP/IP backbone
- All systems having access with Internet/Intranet
- Software

- CentOS 5.3
- Free BSD
- IBM DB2
- PowerBuilder
- Sybase
- Microsoft Office
- Microsoft Visual Studio
- Mathematica
- IDL (Image Processing Tools)
- MathCAD
- IBM Rational Suite and IBM Rational Architect
- Macromedia Flash and Dreamweaver
- Front Page Express
- Novell Netware
- Adobe Photoshop
- Network Simulator – 2 (Free Ware for Both Windows and Linux)
- .Net beans Developer
- Sun JDK, J2EE and J2ME

Priority Research Areas

1. Cloud Computing
2. Data Analysis
3. Data Mining and Warehousing
4. Network Security
5. Image Processing
6. Mobile Application Development
7. Ubiquitous Computing
8. Sensor Computing
9. Natural Language Processing
10. Green Computing

COORDINATOR DETAILS

S.No	Name of the Coordinator	Designation	Contact No.	EmailID
Faculty Members				
01	Dr.M. Priya	Prof/CSE	9442011944	priya74@egspec.org
Students Members				
01	S.Hassim Aslam	Student	8248166117	s.hasimaslam11@gmail.com
02	K.Amritha	Student	9865764708	kasiamritha@gmail.com
03	P.Monisha	Student	8098250599	monishamoni.selvam@gmail.com
04	Vengatramanan	Student	7094500592	vengatramanan26@gmail.com



VI TECHNOLOGY
CHENNAI - 600096

DIRECTOR

Ph: 90800 60880
paramvit@gmail.com

23/11/2020

To

Dr. M.Priya
Professor
Department of Computer Science & Engineering
EGS Pillay Engineering College
Nagapattinam


Sir

Sub: Consultancy Work – Reg

I am very much delighted after knowing about societal service provided by your institution towards the development of needy people. I request you kindly to provide us software product for monitoring of vision surveillances. Kindly fix one date for us to come to your institution for discussion. Also kindly let us know the approximate cost of the product.

Thanking You

Yours Sincerely


(Parameswaran.N)

VI Technology Private Ltd.
Chennai - 600096.



E. G. S. PILLAY ENGINEERING COLLEGE (Autonomous)

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)

(Accredited by NAAC with 'A' Grade)

(Accredited by NBA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

09/12/2020

To

Dr. E. Edward Anand
Director – R & D
E.G.S Pillay Engineering College
Nagapattinam - 611002

Respected Sir,

Sub – Seeking permission to do consultancy work

I wish to inform you that VI Technology, Chennai is requesting us to develop a software project module that backup the video files stored in the device. The backup process is enhanced by applying the concept of monitoring the individual staff's activity. I request you kindly to permit me to do this consultancy work.

Thanking you

Yours Truly



M. Priya
(Dr.M.Priya)



VI TECHNOLOGY
CHENNAI - 600096

DIRECTOR

Ph: 90800 60880
paramvit@gmail.com

22/12/2020

To

Dr.M.Priya
Professor in CSE
Department of Computer Science & Engineering
JGS Pillay Engineering College
Nagapattinam

Sir

Sub: Consultancy Work - Reg

Thank you very much for accepting our request. Also the cost you fixed for our product is nominal. We will meet on 2/02/2021 by Google meet

Thanking You

Yours Sincerely


(Parameswaran.N)

VI Technology Private Ltd.
Chennai - 600096.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

6/01/2021

To

Mr. Parameswaran.N
Manager
VI Technology,
Perungudi
Chennai – 600096

Sir

Sub: Consultancy Work – Reg

Greetings from EGS pillay Engineering College, Nagapattinam

With reference from your acceptance letter dated on 23.12.2020. We are happy to receive your positive response. The approximation cost for developing the project is around Rs 85,000. Due to covid – 19 pandemic it is safe for both of us to join via Google meet on 02/02/2021 for our discussion

Thanking You

Yours Sincerely

(Dr.M.Priya)

Contact Details

Dr.M.Priya
Professor/CSE
Email Id: priya74@egspec.org
Contact No: 9442011944



dh

MINUTES OF MEETING

**EGS Pillay Engineering College, Nagapattinam
Department of Computer Science & Engineering**

Minutes of Meeting

Consultancy Work	
Title	Vision based Activity Monitoring for surveillances applications
Meeting No.	01
Date	02/02/2021
No. of Attendees	06
Venue	Google meet Link:meet.google.com/akm-dxot-mkp


Members Present

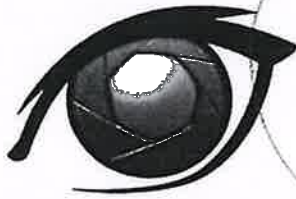
S.No	Name of the Members	Designation/Dept
01	Dr.M.Priya	Prof/CSE
02	Mr. Parameswaran.N	Manager VI Technology Chennai-600096
03	S.Hassim Aslam	Student
04	K.Amritha	Student
05	P.Monisha	Student
06	Vengatramanan	Student

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Dr M.Priya delivered welcome address and started to discuss about the project details.
02	Discussed about project details like objective, duration, project status monitoring....
03	Explained various levels in the sense of hardware and software profile and outcomes.
04	Signed Consultancy Work Assignment Proposal and Agreement form

Minuted by: K.Amritha
Copy to: Department file and Company


HOD/CSE



VI TECHNOLOGY
CHENNAI - 600096

25

DIRECTOR

Ph: 90800 60880
paramvit@gmail.com

8/09/2021

To

Dr .M.Priya
Professor in CSI:
Department of Computer Science & Engineering
E.GS Pillay Engineering College
Nagapattinam


Sir

Sub: Consultancy Work – Reg

We are happy to inform you that we got very good result from your consultancy work. After implementing this software module, activity monitoring in surveillance systems, report generation and back up process is easy for us. The coordinators are appreciated for completing this wonderful work in our concern. Herewith I enclosed a copy of Cheque for your reference.

Thanking you

Kind regards


(Parameswaran.N)

VI Technology Private Ltd.
Chennai - 600096.



E. G.S.PILLAY ENGINEERING COLLEGE (Autonomous)

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(Accredited by NBA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

28/09/2021

To

Mr. Parameswaran.N
Manager
VI Technology
perungudi
Chennai - 600096

Sir

Sub: Consultancy work-Reg

Greeting from EGS Pillay Engineering College, Nagapattinam

We are very much pleased to accept your positive response and appreciation. You can contact us at any time for further support. We have received your cheque and herewith we have given the invoice details for your reference

INVOICE:

S.No	Salaries & Wages	Amount (in Rs.)
01	Coordinators Salary	24,000
02	Preprocessing and Component Preparation	21,600
03	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	35,400
04	Travel	4000
	Total Cost of Project	85,000

Yours Sincerely

(Dr.M.Priya)

Contact Details

Dr.M.Priya
Professor/CSI
Email Id: priya74@egspec.org
Contact No: 9442011944

Date 10/09/2021

PAY R&D CONSULTANCY EGIS PILLAY ENGINEERING COLLEGE

THREE Eighty five Thousands

only

RE 85,000/-

(New Account)

A/c No 0041040021737 SB A/C

HDFC BANK LTD
10 Centre, 100 Mount Road,
Anna Salai, Chennai - 600 002, Tamil Nadu.
RTGS: NEFT IFSC: HDFC0000003

Pannus

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Outcome of the project:

1. Vision based Activity Monitoring for Surveillances applications" system is successfully running.
2. It improves the management, reporting and Backup activity.
3. The accuracy and precision of the face recognition system is improved
4. The time to process the image and the backup storage is reduced significantly



E.G.S. PILLAY ENGINEERING COLLEGE (Autonomous)

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Website: www.egspec.org, Email: principal@egspec.org, Ph: (04365) 251112, Fax: (04365) 251114

**Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

Date: 07.10.20

To

Shri. James Chandru Sir,
Managing Director
Sixth Sense Robotics and Automations Pvt Ltd
3A KSR Nagar MTH Road
Ambattur ,Chennai 600053

Greetings of the day!

E.G.S.Pillay Engineering College is one of the premier institutions for higher education in India. Our institution is accredited by NBA and NAAC with 'A' grade. We have excellent research practices and provide opportunities for ample growth for faculties and students to promote collaborative practices.

Our institution started in 1995 and have 8 UG (Mech, EEE, ECE, Civil, CSE, IT, CSBS, Biomedical Engg.) and 7 PG [MBA, MCA, ME (Manufacturing, Power Electronics & Drives, CSE, Communication Systems, Environmental Engg.)] programmes. All of our departments have R&D Centre approved by Anna University to conduct research programmes. Also we are an Autonomous Institution from 2017.

Apart from research, we are offering Industrial Consultancy works to major industries in India. In this regard, if your company needs our expertise to promote your business kindly contact us. We have few faculties working in Robotics field. If required, we will send an elaborate report about our research focus areas and available research facilities.

Thank you Sir

With regards

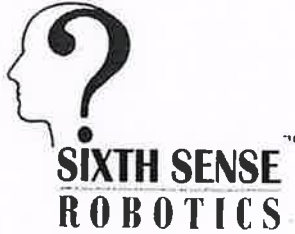
Dr. S. Ramabalan,
Principal,

EGS Pillay Engineering College,
Nagapattinam-611002.

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.





Sixth Sense Robotics and Automations Pvt Ltd
3A,KSR Nagar MTH Road,Ambattur,Chennai 60005
Email :enquiry@sixthsenserobotics.cor
Tel: +91 44 26251979,4302309

Dr.S.Ramabalan,
Principal,
EGS Pillay Engineering College,
Nagapattinam-611002.

Date: 13-10-2020

Dear Sir

Good Afternoon

We are glad to work with you on our project consultancy.

Our area of Domain is wide, which involves Robotics, Mechatronics, Automation, PLC programming, Circuit design and Project implementation.

Presently we have two projects which requires your expertise consultancy service

- a) Collaborative Robotics Joints design and Manufacturing
- b) Control system for the Robot

Appreciate you can send the details of your research area, and falls in line with our consultancy requirements

Best Regards


JCR.Chandru
Managing Director



**E.G.S. PILLAY ENGINEERING COLLEGE (Autonomous)**

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Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL

Date: 17.10.20

To

Shri. James Chandru Sir,
Managing Director
Sixth Sense Robotics and Automations Pvt Ltd
3A KSR Nagar MTH Road
Ambattur ,Chennai 600053

Greetings of the day!

Dear Sir,

Thank you very much for giving the opportunity for doing consultancy work for your company. I discussed with our faculty members. The research interests of myself and Dr.V.Sathiya, Professor, Dept. of ECE are having expertise in Robot Design and Development, and Robot controller design. We are very much interested to do the consultancy services in the below mentioned two projects as per your requirements:

- Collaborative Robotics Joints design and Manufacturing
- Control system for the Robot

So kindly send your project description, time duration to complete the project, consultancy amount willing to pay, and other details.

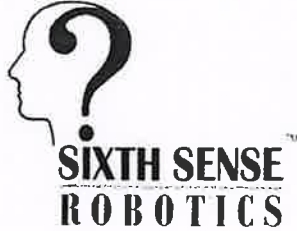
We expect your positive reply at the earliest.

With kind regards


Dr.S.Ramabalan,
Principal/EGSPEC

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.





Sixth Sense Robotics and Automations Pvt Ltd
3A,KSR Nagar MTH Road,Ambattur,Chennai 60005
Email :enquiry@sixthsenserobotics.cor
Tel: +91 44 26251979,4302309

Dr.S.Ramabalan,
Principal,
EGS Pillay Engineering College,
Nagapattinam-611002.

Date:23-10-2020
RD/1121/05

Dear Sir,

Sub: Consultancy for Robotic Joint and controller system

Greetings to you ,

We are thankful for undertaking the consultancy service for us in the projects given below

1. Problem statement: Development of Modular Robot Joint with 135Nm Torque

Time line: 3 months

Terms : 30% on DAP , 20% on POC, 30% on Modular head fabrication and 20% on successful completion

2. Problem statement: Development of Control system for the Robot Joint

Time line : 3 months

Terms: 30% on DAP , 20% on POC, 30% on control system fabrication and 20% on successful completion

Please send us the consultancy charges for the above.

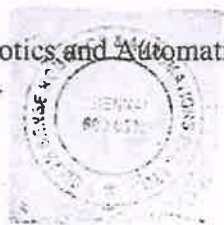
We would like to complete the projects in 4 months time from the date of contract.

Appreciate your support and Co-operation

Please feel free to contact the undersigned for any enquires at 9840993262.

For Sixth Sense Robotics and Automations Pvt Ltd.,


Managing Director
(JCR.Chandru)





E.G.S. PILLAY ENGINEERING COLLEGE (Autonomous)

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Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL

To
Sixth Sense Robotics and Automations Pvt Ltd
3A KSR Nagar , MTH Road
Ambattur, Chennai 600053

Date: 02nd Nov 2020

Attention : Mr.James Chandru Paulraj , Director

Dear Sir,

Sub: Consultancy for Robotic Joint and controller system

With reference to your letter dated on 28.10.2020 and our discussion over telephone, we are thankful for the opportunity.

Below are our consultancy service charges:

Sl.no	Description	INR charges
1	Consultancy Charges for Development of Robotic Joint	12,50,000
2	Consultancy Charges for Development of Motion controller for Robot Joint	12,00,000

EGS Pillay Engineering College shall inform the Project Management Gantt Chart upon your acknowledgement.

Terms and Conditions

1. Delivery of Projects - 16 weeks
2. Payment Terms,
 - Advance payment of 30% on Purchase contract
 - Design approval stage 30%
 - On project submission balance 40%

3. The quoted amount is including GST

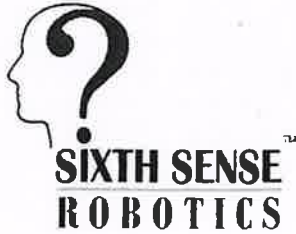
Yours faithfully

Dr.S.Ramabalan

Dr. S. Ramabalan
2/11/20



Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



Sixth Sense Robotics and Automations Pvt Ltd
3A,KSR Nagar MTH Road,Ambattur,Chennai 60005
Email :enquiry@sixthsenserobotics.cor
Tel: +91 44 26251979,4302309

Purchase Contract

Dr.S.Ramabalan,
Principal,
EGS Pillay Engineering College,
Nagapattinam-611002

Date:10-11-2020
PO/1121/05

Dear Sir,

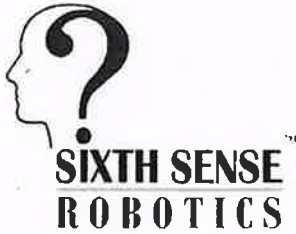
Sub: Consultancy for Robotic Joint and controller system

We here-by acknowledge your offer dated 02nd Nov 2020 and place the Order for the Consultancy Services as given below:

Sl. no	Description	INR charges
1	Consultancy Charges for Development of Robotic Joint	12,50,000
2	Consultancy Charges for Development of Motion controller for Robot Joint	12,00,000

Please follow the Joint and control Parameters as given in below table

Joint Axis	J1 & J2	J3	J4	J5	J6
Harmonic reducer-ratio	14-100	17-100	20-100	25-100	32-100
Start-stop peak torque(N.m)	28/36	54/70	82/107	157/204	333/433
Rated torque(N.m)	7.8/10	24/31	40/52	67/87	137/178
Momentary allowable maximum torque(N.m)	54/70	110/143	147/191	284/369	647/841
Peak speed of output(RPM)	30	30	30	20	20



Sixth Sense Robotics and Automations Pvt Ltd
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Motor power(W)	100	200	400	750	1000
Supply voltage(V)	48(±10%)				
Rated current(A)	3.3	6.9	11	20	26
Peak current(A)	11	16.8	29	40	56
Output encoder resolution	19Bit				
Repeat/absolute positioning accuracy	±10/45Arcsec				
Communication bus	EtherCAT				
Brake	Friction damping brake				
IP level	IP54				

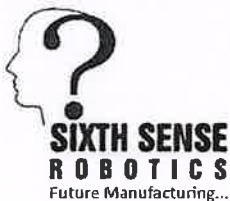
Terms and Conditions

1. Delivery of Projects - 16 weeks
2. Payment Terms,
 - Advance payment of 30% on Purchase contract
 - Design approval stage 60%
 - On project submission balance 10%
3. GST Tax included

For Sixth Sense Robotics and Automations Pvt Ltd.,

Managing Director
 (JCR.Chandru)





NON DISCLOSURE AGREEMENT

This Non-Disclosure Agreement is made on of this 10th day of November 2020, by and between **Sixth Sense Robotics and Automations Pvt Ltd** (hereinafter referred to as "SSR"), a Company incorporated under the Companies Act, 1956 and having its Registered Office at No : **3A, KSR Nagar, MTH Road, Ambattur, Chennai – 600 053**, and **R&D Consultancy, E.G.S. Pillay Engineering College, Nagapattinam** (hereinafter referred to as "Recipient") for the purpose of preventing the unauthorized disclosure of Confidential Information as defined below. The parties agree to enter into a confidential relationship with respect to the disclosure of certain proprietary and confidential information ("Confidential Information")

For the purpose of this agreement, SSR and Recipient shall together be referred to as "Parties" and individually as a "Party" each

1. **Definition of Confidential Information.** For purposes of this Agreement, "Confidential Information" shall include all information or material that has or could have commercial value or other utility in the business in which Disclosing Party is engaged. If Confidential Information is in written form, the Disclosing Party shall label or stamp the materials with the word "Confidential" or some similar warning. If Confidential Information is transmitted orally, the Disclosing Party shall promptly provide a writing indicating that such oral communication constituted Confidential Information.
2. **Exclusions from Confidential Information.** Receiving Party's obligations under this Agreement do not extend to information that is: (a) publicly known at the time of disclosure or subsequently becomes publicly known through no fault of the Receiving Party; (b) discovered or created by the Receiving Party before disclosure by Disclosing Party; (c) learned by the Receiving Party through legitimate means other than from the Disclosing Party or Disclosing Party's representatives; or (d) is disclosed by Receiving Party with Disclosing Party's prior written approval.

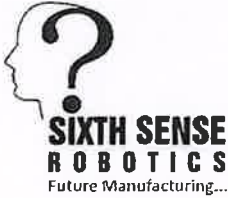


3. **Obligations of Receiving Party.** Receiving Party shall hold and maintain the Confidential Information in strictest confidence for the sole and exclusive benefit of the Disclosing Party. Receiving Party shall carefully restrict access to Confidential Information to employees, contractors and third parties as is reasonably required and shall require those persons to sign nondisclosure restrictions at least as protective as those in this Agreement. Receiving Party shall not, without prior written approval of Disclosing Party, use for Receiving Party's own benefit, publish, copy, or otherwise disclose to others, or permit the use by others for their benefit or to the detriment of Disclosing Party, any Confidential Information. Receiving Party shall return to Disclosing Party any and all records, notes, and other written, printed, or tangible materials in its possession pertaining to Confidential Information immediately if Disclosing Party requests it in writing.
4. **Term; Termination.** The nondisclosure provisions of this Agreement shall survive the termination of this Agreement and Receiving Party's duty to hold Confidential Information in confidence shall remain in effect until the Confidential Information no longer qualifies as a trade secret or until Disclosing Party sends Receiving Party written notice releasing Receiving Party from this Agreement, whichever occurs first.
5. **Severability of Provisions:** Should any part of this Agreement be declared invalid by a court of law, such decision shall not affect the validity of any remaining portion which shall remain in full force and effect as if the invalid portion was never a part of this Agreement when it was executed. As it is the parties' intent that this Agreement be enforced to the fullest extent permitted by law, such invalidated section shall be deemed amended so as to avoid the reasons for its invalidity. Should the severance or amendment of any such part of this Agreement materially affect any other rights and obligations of the parties hereunder, the parties hereto will negotiate in good faith to amend this Agreement in a manner satisfactory to the parties.



6. **Governing Law:** This Agreement shall be governed by, and construed in accordance with the laws of India. Any dispute arising out of this Agreement shall be subject to the jurisdiction of Courts at Chennai, Tamil Nadu only.
7. **Integration.** This Agreement expresses the complete understanding of the parties with respect to the subject matter and supersedes all prior proposals, agreements, representations and understandings. This Agreement may not be amended except in a writing signed by both parties.
8. **Notices.** All notices or other communications required or permitted to be given under this Agreement shall be in writing and addressed to the receiving party at its corporate office,

or as otherwise designated in writing, and shall be deemed effectively given on the earliest of : (i) when delivered, if personally delivered; (ii) on the third (3rd) business day following the date of mailing if delivered by certified or registered mail, return receipt requested; (iii) on the date of transmission, if delivered by email transmission; (iv) the scheduled day of delivery if delivered via express courier; or (v) when received by the party to whom notice is intended or required to be given.
9. **General.**
 1. This Agreement sets forth the entire understanding and agreement of the parties with respect to the subject matter hereof and supersedes all other oral or written representations and understandings.
 2. This Agreement shall not be construed to establish a joint venture, partnership or other business relationship between the parties. The relationship created under this Agreement is confidential and is to be treated as Confidential Information according to the terms of this Agreement.



Sixth Sense Robotics and Automation Pvt L
3A, KSR Nagar MTH Road, Ambattur, Chennai 600053
enquiry@sixthsenserobotics.c
Tel: 88385675

3. No waiver by a party of the conditions herein or of compliance with the provisions hereof, nor any delay by a party in exercising its rights, remedies or privileges hereunder, shall have the effect of preventing such party from exercising its rights, remedies or privileges hereunder at any future period or in any other circumstance, and no waiver shall be binding unless in writing.
4. This Agreement may be signed in counterparts, each which shall constitute an original.

The parties hereto have caused this Supplier Mutual Confidentiality and Non-Disclosure Agreement to be duly executed by a duly authorized representative of such party as of the Effective Date.

ACKNOWLEDGED AND AGREED:

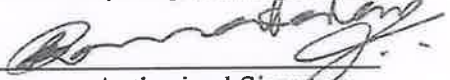
Sixth Sense Robotics and Automations Pvt Ltd

By: 
Authorized Signature

Name: JCR. CHANDRU



**R&D Consultancy,
E.G.S. Pillay Engineering College**

By: 
Authorized Signature

Name: Dr. S. RAMABALAN

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.**

**E.G.S. PILLAY ENGINEERING COLLEGE (Autonomous)**

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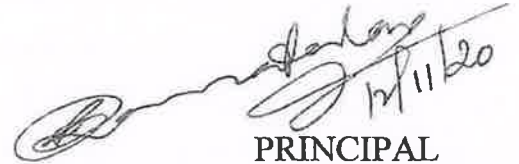
Website: www.egspec.org, Email: principal@egspec.org, Ph: (04365) 251112, Fax: (04365) 251114

Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL

Date: 12.11.2020

Work Allotment Order

We have to complete a consultancy project entitled "Development of Motion controller for Robot Joint" for Sixth Sense Robotics and Automations (P) Ltd., Chennai. The cost of the project is Rs.12,00,000/-. This project is related to controller design. So I allot this work to Dr.V.Sathiya, Professor/ECE, EGSPEC. She is the project in-charge of this project. So I request her to render her service for the successful completion of this project.



PRINCIPAL



Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

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**Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

Date: 13.11.20

To

Shri. James Chandru Sir,
Managing Director
Sixth Sense Robotics and Automations Pvt Ltd
3A KSR Nagar MTH Road
Ambattur ,Chennai 600053

Greetings of the day!

Dear Sir,

With reference to your letter on 10.11.2020, thank you very much for giving the opportunity for doing consultancy work for your company. As per our contract, please send 30% of the consultancy amount for the two projects to the below mentioned account:

Name: R AND D CONSULTANCY E G S PILLAY ENGINEERING COLLEGE
A/C No: 51090901039993
BANK: CITY UNION BANK
BRANCH: NAGORE

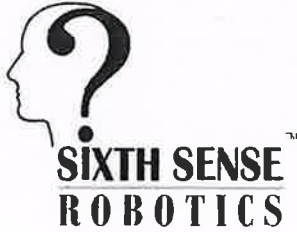
You can pay the amount through NEFT or RTGS or by a cheque. We need to start the work. So we expect your positive reply at the earliest.

With kind regards

Dr. S. Ramabalan
13/11/20
Dr. S. Ramabalan,
Principal/EGSPEC

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.





Sixth Sense Robotics and Automations Pvt Ltd
3A,KSR Nagar MTH Road,Ambattur,Chennai 60005
Email :enquiry@sixthsenserobotics.cor
Tel: +91 44 26251979,4302309

First phase Amount

**Dr.S.Ramabalan,
Principal,
EGS Pillay Engineering College,
Nagapattinam-611002**

Date:26-11-2020
Ref:PO/1121/05

Dear Sir,

Sub: Consultancy amount for Robot controller design project

Herewith, we have attached a cheque for Rs. 3,45,000/- . It is first installment of the Consultancy Charges for the second project - Development of Motion controller for Robot Joint. We request you to start your work at the earliest. Also we request you to send your acknowledgement for receipt of the cheque.

For Sixth Sense Robotics and Automations Pvt Ltd.,

Managing Director
(JCR.Chandru)



EGSPEC



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**Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

Date: 01.12.20

To

Shri. James Chandru Sir,
Managing Director
Sixth Sense Robotics and Automations Pvt Ltd
3A KSR Nagar MTH Road
Ambattur, Chennai 600053

Greetings of the day!

Dear Sir,

With reference to your letters on 19.11.2020 and 26.11.20, we received 30% of the consultancy amount for the two projects. We have received two cheques from you sir. We acknowledge the receipt of the same.

Cheque details:

Cheque No: 000153
Dated: 19.11.20
Amount: Rs.3,45,000
Bank Name: Bank of Baroda

Cheque No: 000156
Dated: 26.11.20
Amount: Rs. 3,45,000
Bank Name: Bank of Baroda

Thank you very much for your immediate response. We will inform the progress of our projects.

With kind regards


Dr.S.Ramabalan,
Principal/EGSPEC

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.**





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Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL

To

Date: 04.01.21

Shri. James Chandru Sir,
Managing Director
Sixth Sense Robotics and Automations Pvt Ltd
3A KSR Nagar MTH Road
Ambattur ,Chennai 600053

Greetings of the day!

Dear Sir,

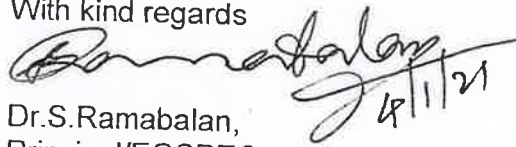
We have completed design phase of our project. Now we are going for fabrication. We enclosed our report related to design phase. Please go through the project, if you have any doubt or clarification, please feel free to contact me sir.

Further, as per our contract, please send the second phase amount 60% of the consultancy amount for the two projects to the below mentioned account:

Name: R AND D CONSULTANCY E G S PILLAY ENGINEERING COLLEGE
A/C No: 51090901039993
BANK: CITY UNION BANK
BRANCH: NAGORE

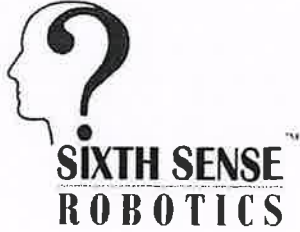
You can pay the amount through NEFT or RTGS or by a cheque. We need to purchase the materials. So we expect your positive reply at the earliest.

With kind regards


Dr.S.Ramabalan,
Principal/EGSPEC

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.





Sixth Sense Robotics and Automations Pvt Ltd
3A, KSR Nagar MTH Road, Ambattur, Chennai 60005
Email : enquiry@sixthsenserobotics.com
Tel: +91 44 26251979, 4302309

Second phase Amount

**Dr.S.Ramabalan,
Principal,
EGS Pillay Engineering College,
Nagapattinam-611002**

Date: 27-01-2021
Ref: PO/1121/05

Dear Sir,

Sub: Consultancy amount for Robot controller design project

Herewith, we have attached a cheque for Rs. 6,90,000/- . It is second installment of the Consultancy Charges for our second project - Development of Motion controller for Robot Joint. We request you to complete your work at the earliest. Also we request you to send your acknowledgement for receipt of the cheque.

For Sixth Sense Robotics and Automations Pvt Ltd.,


Managing Director
(JCR. Chandru)



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Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL

Date: 31.1.21

To

Shri. James Chandru Sir,
Managing Director
Sixth Sense Robotics and Automations Pvt Ltd
3A KSR Nagar MTH Road
Ambattur ,Chennai 600053

Greetings of the day!

Dear Sir,

With reference to your letters, we received 60% of the consultancy amount for the two projects. We have received two cheques from you sir. We acknowledge the receipt of the same.

Cheque details are:

Cheque No: 000167
Dated: 21.1.21
Amount: Rs. 6,90,000
Bank Name: Bank of Baroda

Cheque No: 000168
Dated: 26.1.21
Amount: Rs.6,90,000
Bank Name: Bank of Baroda

Thank you very much for your immediate response. We will inform you the progress of our projects.

With kind regards


Dr.S.Ramabalan,
Principal/EGSPEEC

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



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Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL

Date: 3.3.21

To

Shri. James Chandru Sir,
Managing Director
Sixth Sense Robotics and Automations Pvt Ltd
3A KSR Nagar MTH Road
Ambattur, Chennai 600053

Greetings of the day!

Dear Sir,

We have completed the full consultancy projects. Now we are doing trial run of the projects. In trial run, the performance of the projects is good. So I request you to visit our labs in as per your convenience. We will have a review meeting for further discussion about our projects.

With kind regards


Dr.S.Ramabalan,
Principal/EGS PEC

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.

CONSULTANCY PROJECT REVIEW MEETING

Name of the project (s):

Project 1: Development of Robotic Joint

Project 2: Development of Motion controller for Robot Joint

Date of meeting: 08.03.2021

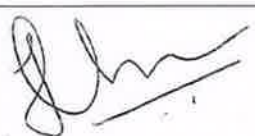

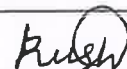
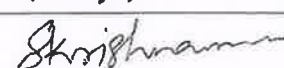
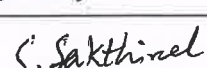
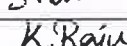
Meeting facilitator: EGSPEC, Nagai

Time: 10.30am

Meeting Objectives:

1. To review the activities of the project
2. Trial run of the project
3. To suggest any corrections to be carried out

Attendees' details:

Sl. No.	Name	Designation & Address	Signature
1	Shri. James Chandru Paulraj	Managing Director, Sixth Sense Robotics and Automations Pvt Ltd 3A KSR Nagar MTH Road Ambattur ,Chennai 600053	
2	Dr.S.Ramabalan	Principal/EGSPEC	
3	Dr.V.Sathiya	Professor/ECE, EGSPEC	
4	Dr.S.Krishnamohan	Professor/Mech, EGSPEC	
5	Mr.S.Sakthivel	TA/Mech, EGSPEC	
6	Mr.K.Raju	TA/ECE, EGSPEC	

Meeting Agenda:

1. Welcome address – Principal/EGSPEC
2. Explaining about the project 1 – Principal/EGSPEC

3. Explaining about project 2 – Dr.V.Sathiya/ECE
4. Trial run of the projects – Mr.S.Sakthivel and Mr.K.Raju
5. Verification of the projects, checking the requirements, giving feedback and suggestions – Mr.James Chandu Pauraj/Sixth sense robotics
6. Vote of thanks – Dr.S.Krishnamohan /EGSPEC

Agenda, Notes, Discussion points, Issues, etc:

1. Meeting is started with a welcome address by Dr.S.Ramabalan, Principal/EGSPEC.
2. Further he explained the details and work carried out in project 1 : Design and development of robot joint. He cleared all queries raised by Mr.James Chandru sir.
3. Dr.V.Sathiya explained the details and work carried out in project 2: Development of controller for the robot joint. Also she cleared all queries raised by Mr.James Chandru sir. Mr.K.Raju sir assisted her.
4. The robot is put in trial run by Mr.S.Sakthivel sir.
5. Mr.James Chandru sir verified the testing.
6. The robot is successfully tested and its performance is good.
7. Mr.James Chandru sir suggested few points:
 1. Robot has to be tested by varying the inputs.
 2. Starting and end points locations have to be different for each trial run.
 3. Find the error and correct it by giving suitable compensation in the end effector motions.
 4. During shifting of the robot to the industry, it has to be packed using wooden box. Also use some thermo coal arrangement to arrest the robot movement inside the box.

Action Items:

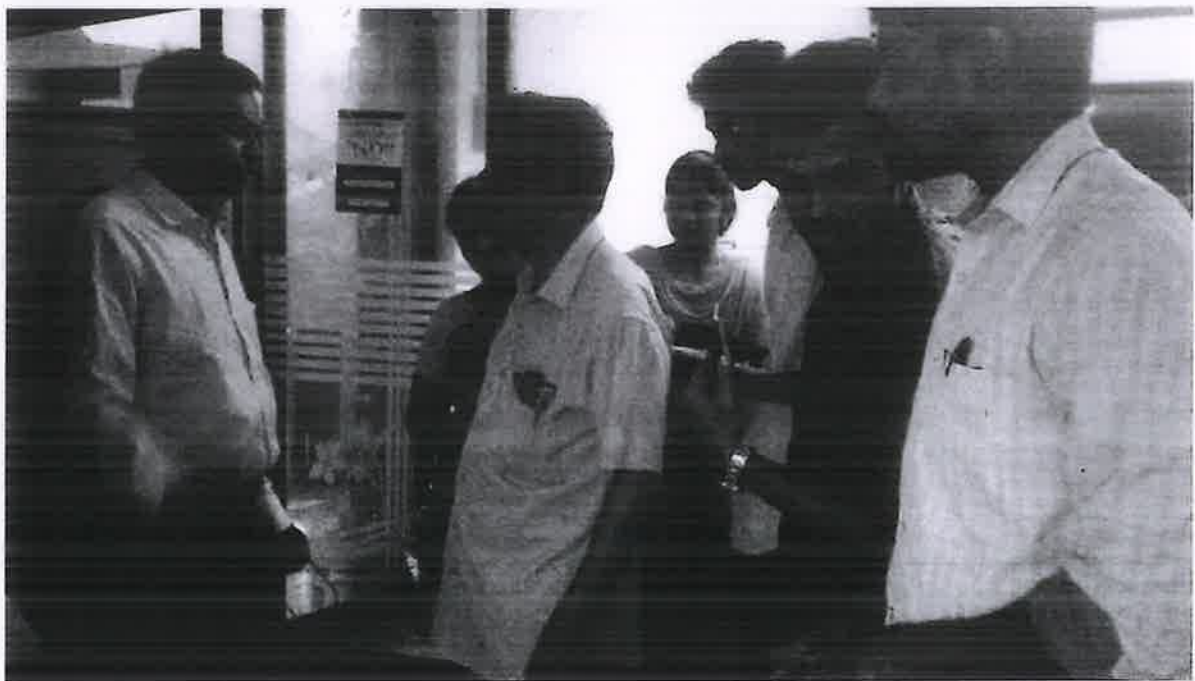
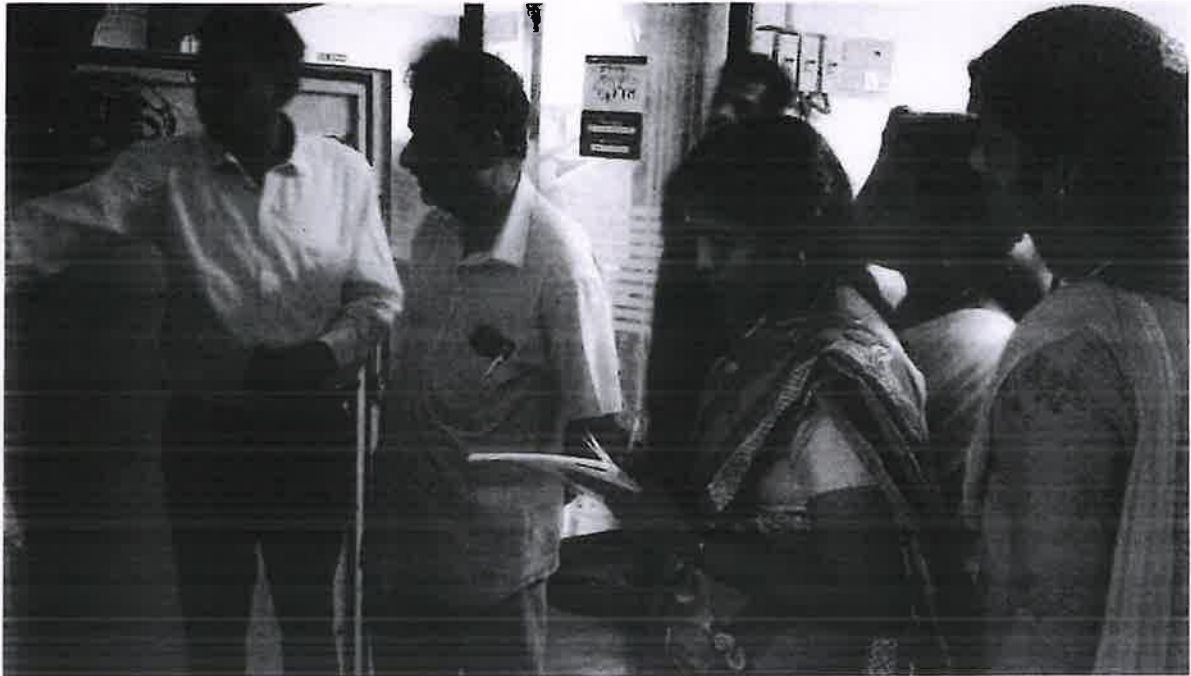
1. Robot has to be tested by varying the inputs.
2. Starting and end points locations have to be different for each trial run.
3. Find the error and correct it by giving suitable compensation in the end effector motions.
4. During shifting of the robot to the industry, it has to be packed using wooden box. Also use some thermo coal arrangement to arrest the robot movement inside the box.

Minutes prepared by: Dr.V.Sathiya, P/ECE

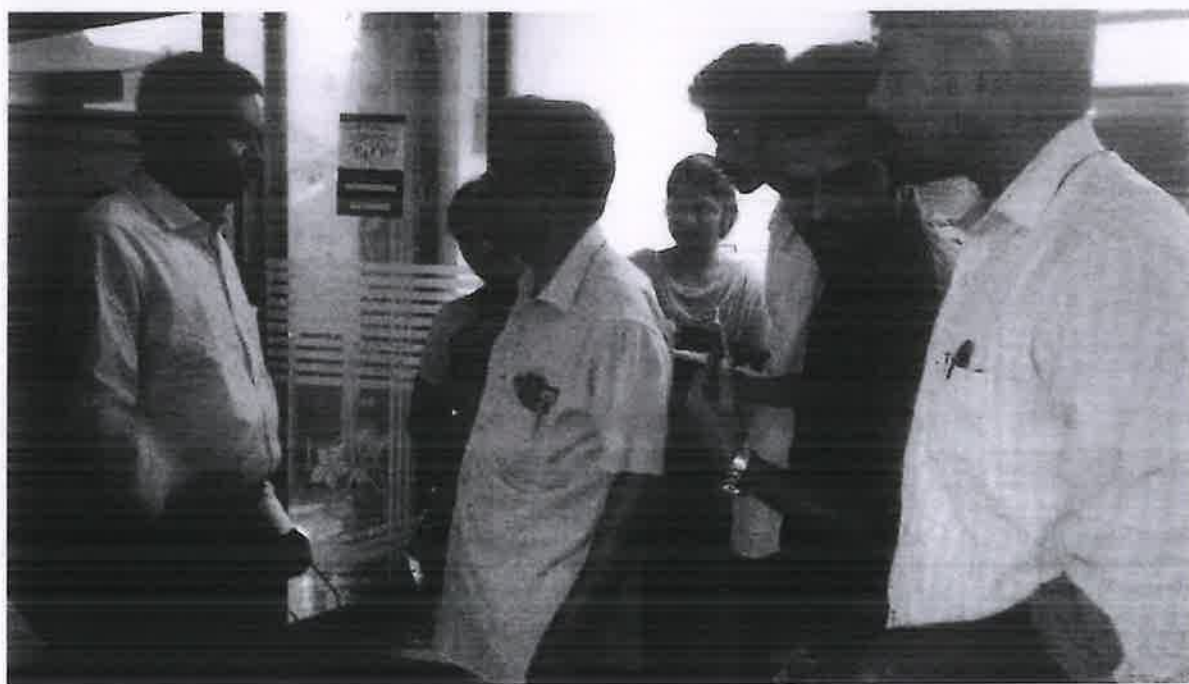
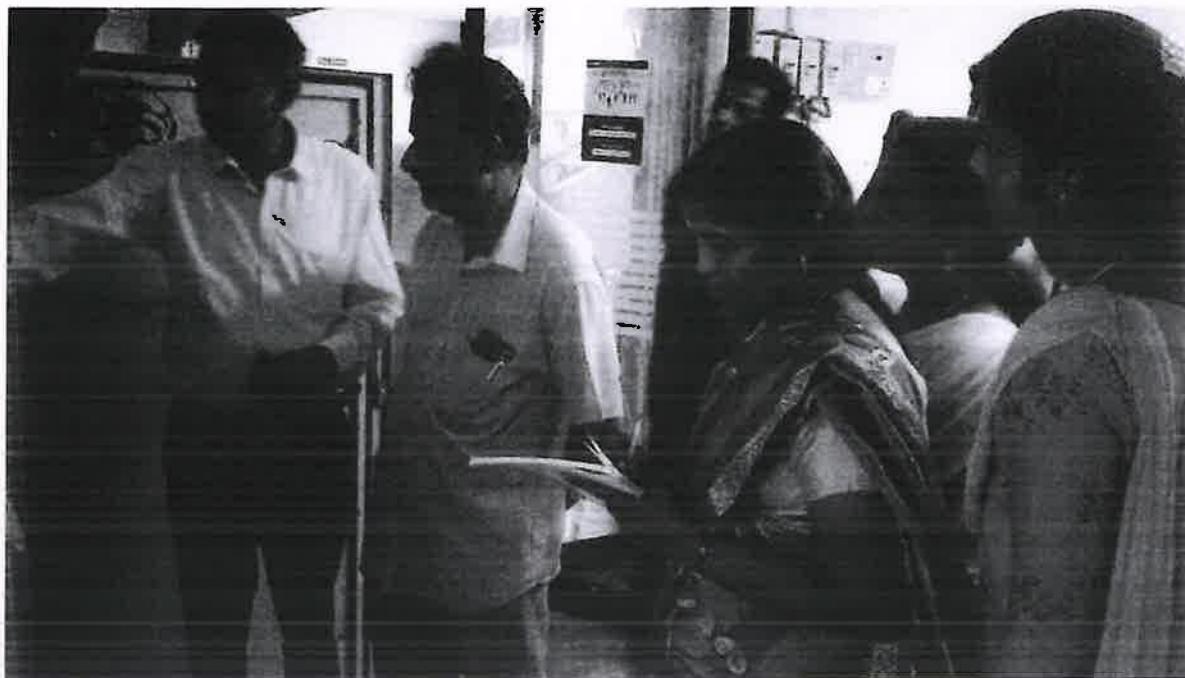


Signature of Authority

Photos taken during review meeting of the consultancy project “Development of motion controller for the robot joint” on 08.03.2021 in CAD/CAM Lab, EGSPECE



Photos taken during review meeting of the consultancy project “Development of motion controller for the robot joint” on 08.03.2021 in CAD/CAM Lab, EGSPECE





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Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL

Date: 10.3.21

To

Shri. James Chandru Sir,
Managing Director
Sixth Sense Robotics and Automations Pvt Ltd
3A KSR Nagar MTH Road
Ambattur ,Chennai 600053

Greetings of the day!

Dear Sir,

We have completed the projects based on the suggestions gave in the review meeting on 8.3.21. Also we have demonstrated the projects in your presence. Now the robot is working well. Based on our discussion over phone, we will shift the projects from our institute to your company and we will give demonstrations of the projects in your company. This is for your kind information.

With kind regards

Dr.S.Ramabalan,
Principal/EGSPEC

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.





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Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL

Date: 16.3.21

To

Shri. James Chandru Sir,
Managing Director
Sixth Sense Robotics and Automations Pvt Ltd
3A KSR Nagar MTH Road
Ambattur ,Chennai 600053

Greetings of the day!

Dear Sir,

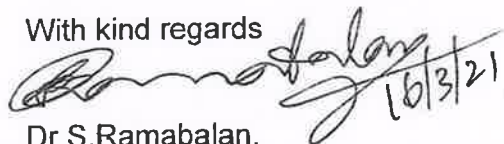
We have completed the projects. Also we successfully demonstrated our projects in your company. Further we handed over our reports to you sir. If you need any further assistance, please feel free to contact me sir.

Further, as per our contract, please send the remaining amount of the consultancy amount for the two projects to the below mentioned account:

Name: R AND D CONSULTANCY E G S PILLAY ENGINEERING COLLEGE
A/C No: 51090901039993
BANK: CITY UNION BANK
BRANCH: NAGORE

You can pay the amount through NEFT or RTGS or by a cheque. So we expect your positive reply at the earliest.

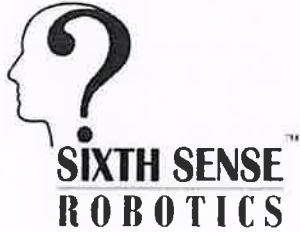
With kind regards


16/3/21

Dr.S.Ramabalan,
Principal/EGSPEC



Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



Sixth Sense Robotics and Automations Pvt Lt
3A,KSR Nagar MTH Road,Ambattur,Chennai 60005
Email :enquiry@sixthsenserobotics.cor
Tel: +91 44 26251979,4302309

Final phase Amount

**Dr.S.Ramabalan,
Principal,
EGS Pillay Engineering College,
Nagapattinam-611002**

Date:26-03-2021
Ref:PO/1121/05

Dear Sir,

Sub: Consultancy amount for Robot controller design project

Herewith, we have attached a cheque for Rs.1,65,000/- . It is part of the Consultancy Charges for our first project - Development of Controller of Robotic Join. This is the final settlement amount. We request you to send your acknowledgement for receipt of the cheque.

For Sixth Sense Robotics and Automations Pvt Ltd.,


Managing Director
(JCR.Chandru)





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**Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

Date: 29.3.21

To
Shri. James Chandru Sir,
Managing Director
Sixth Sense Robotics and Automations Pvt Ltd
3A KSR Nagar MTH Road
Ambattur ,Chennai 600053

Greetings of the day!

Dear Sir,

With reference to your letters, we received the remaining consultancy amount for the two projects. We have received two cheques from you sir. We acknowledge the receipt of the same.

Cheque details:

Cheque No	dated	Amount (Rs)	Bank Name
000187	22.3.21	2,15,000	Bank of Baroda,
000189	26.3.21	1,65,000	Mogappair, Chennai

Thank you very much for your immediate response. We are very thankful for giving these projects. We expect more consultancy projects from you in the future sir.

With kind regards

Dr.S.Ramabalan
29/3/21

Dr.S.Ramabalan,
Principal/EGSPEC

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



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Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL

Date: 30.3.2021

Appreciation Letter

We have successfully completed a consultancy project entitled "Development of Motion controller for Robot Joint" for Sixth Sense Robotics and Automations (P) Ltd., Chennai. The cost of the project is Rs.12,00,000/-. The contribution for this project from Dr.V.Sathiya, Professor/ECE, EGSPEC is excellent. She is the project in-charge of this project. So I whole heartedly convey my sincere thanks and a great appreciation to her.



Dr. S. Ramabalan
30/3/21
PRINCIPAL

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

**E.G.S. PILLAY ENGINEERING COLLEGE (Autonomous)**

Nagapattinam - 611 002, Tamilnadu, India.

Provisionally Accredited by NBA (CSE, EEE, Mech, IT, ECE, Civil)

Accredited by NAAC with 'A' Grade

Affiliated to Anna University, Chennai / Approved by AICTE, New Delhi

An ISO 9001 : 2015 Certified Institution


Website: www.egspec.org, Email: principal@egspec.org, Ph: (04365) 251112, Fax: (04365) 251114

Dr.S.RAMABALAN, M.E., Ph.D.,
PRINCIPAL

Date: 30.3.2021

Appreciation Letter

We have successfully completed a consultancy project entitled "Development of Motion controller for Robot Joint" for Sixth Sense Robotics and Automations (P) Ltd., Chennai. The cost of the project is Rs.12,00,000/-. The contribution for this project from Mr.K.Raju, TA/ECE, EGSPEC is excellent. So I whole heartedly convey my sincere thanks and a great appreciation to him.


PRINCIPAL



Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

बैंक ऑफ बरोडा
Bank of Baroda

पी.सी २/६, ब्लॉक-२, कंबर सलाई मोगापपर पश्चिम, चेन्नै ६०००३७
PC 2/6, Block - 2, Kambar Salai, Mogappair, Chennai-600037

जारी की गई तारीख से तीन माह के लिए वैध / VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

CBS 26112020
D D M M Y Y Y

RTGS/NEFT IFSC CODE: BARB0M0GAPP केश क्रेडिट खाता | CASH CREDIT ACCOUNT

Pay R AND D CONSULTANCY EGS PILLAY ENGINEERING COLLEGE Or Bearer
या धारक को

Rupees रुपये THREE LAKHS AND FOURTY FIVE
THOUSAND ONLY

अदा करें

₹ 3,45,000/-

खा. सं.
A/c No.

29780500000042

FOR SIXTH SENSE ROBOTICS AND AUTOMATION PVT LTD

CC/2012/MT

भारत की सभी शाखाओं पर सममूल्य पर देय
Payable at par at all branches in India

MGP

director director

Please sign above

⑈000156⑈ 600012032⑈ 500042⑈ 30

Cheque received
[Signature]
ACCOUNTS OFFICE
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002

Cheque deposited date: 07/12/2020

Bank: City Union Bank, Nagara

Account no: 510909010139993



बैंक ऑफ बड़ौदा
Bank of Baroda

पी.सी २/६, ब्लॉक-२, कंबर सलाई मोगापपैर पश्चिम, चेन्नै ६०००३७
PC 2/6, Block - 2, Kambar Salai, Mogappair, Chennai-600037

व्यक्ति को गृह निर्माण से तीन माह के लिए वैध / VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

CBS 27 01 20 21
D D M M Y Y Y Y

RTGS/NEFT IFSC CODE : BARBOMOGAPP कैश क्रेडिट खाता | CASH CREDIT ACCOUNT

Pay R AND D CONSULTANCY EGS PILLAY ENGINEERING COLLEGE Or Bearer
या धारक को

Rupees रुपये SIX LAKHS NINETY THOUSAND ONLY

अदा करें ₹ 6,90,000/-

खा. सं. 29780500000042
A/c No.

FOR SIXTH SENSE ROBOTICS AND AUTOMATION PVT LTD

director director

Please sign above

GC/2012/MT

भारत की सभी शाखाओं पर सममूल्य पर देय
Payable at par at all branches in India

MGP

Cheque received

ACCOUNTS MANAGER
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002

⑈000168⑈ 600012032⑈ 500042⑈ 30

Cheque deposited date: 06/02/2021

Bank: City Union Bank, Nagore

Account no: 510909010139993



बैंक ऑफ़ बड़ोदा
Bank of Baroda

पी.सी २/६, ब्लॉक-२, कंबर सलाई मोगापैर पश्चिम, चेन्नै ६०००३७
PC 2/6, Block - 2, Kambur Salai, Mogappair, Chennai-600037
RTGS/NEFT IFSC CODE : BARB0MOGAPP

वारी को दुई तारिख से तीन माह के लिए वैध / VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

CBS 26032021
D D M M Y Y Y

Pay R AND D CONSULTANCY EGS PILLAI ENGINEERING COLLEGE

Or Bearer

Rupees रुपये One lakh sixty five thousand only

या धारक को

अदा करें

₹ 1,65,000/2

खा. सं.
A/c No.

29780500000042

FOR SIXTH SENSE ROBOTICS AND AUTOMATION PVT LTD

CC/2012/MT

भारत की सभी शाखाओं पर सममूल्य पर देय
Payable at par at all branches in India

MGP

[Signature]
director director

Please sign above

⑈000189⑈ 600012032⑈ 500042⑈ 30

Cheque received
[Signature]

ACCOUNTS OFFICE
EGS PILLAI ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

Cheque deposited date: 15/04/2021
Bank: City Union Bank, Nagore
Account no: 510909010139993

CITY UNION BANK

Branch:278:Nagore Branch

598, Nagai Main Road,Nagore,Nagore,611002 Ph:9344038644 IFSC:CIUB0000278

Ref No : 009361080820221343

Visit www.cityunionbank.com

Dial your bank 044-71225000

STATEMENT OF ACCOUNT

Account No : 510909010139993
 Account Type : Current Account - General
 Account Type : INR
 Customer No : 5390501

Statement Dt: 01-JAN-2019 to 08-AUG-2022
 Date of Opening : 12-FEB-2019
 Mode Of Operation : AUTHSGANDANY

R AND D CONSULTANCY E G S PILLAY ENGINEERING COLLEGE
 Senthilkumar ./
 NO 47
 PERUMAL SANNTHI STREET
 NAGAPATTINAM NAGAPATTINAM - 611001

Opening Balance as on 18-FEB-2019

0.00

Date	Particulars	Chq No	Debit	Credit	Balance
24-FEB-2019	BY CHEQUEDD PAYMENT:BY PHASE ACOUSTICS: CA 201001660471:00278	963742		40,000.00	40,000.00
15-APR-2019	BY CHEQUEDD PAYMENT:BY PHASE ACOUSTICS: CA 201001660471:00278	963748		42,000.00	82,000.00
14-MAY-2019	BY CHEQUEDD PAYMENT:BY MOHAN B: CA 916020076684535:00278	040146		5,00,000.00	5,82,000.00
14-MAY-2019	BY CHEQUEDD PAYMENT:BY TR BOARD: CA:00278	000078		84,000.00	6,66,000.00
21-AUG-2019	BY NEFT SURE SOFT SYSTEMS N210800008518771:			60,000.00	7,26,000.00
29-AUG-2019	BY CHEQUEDD PAYMENT:BY INDIGUARD SYSTEMS PRIVATE LIMITED: CA 6929989449:00278	040152		4,00,000.00	11,26,000.00
29-AUG-2019	BY CHEQUEDD PAYMENT:BY RAJIYA TRAVELS: CA:00278	784582		60,000.00	11,86,000.00
29-AUG-2019	BY NEFT TRFAFSHEE TRAVELS N290800008648371:			60,000.00	12,46,000.00
17-OCT-2019	BY CHEQUEDD PAYMENT:BY INDIGUARD SYSTEMS PRIVATE LIMITED: CA 6929989449:00278	040161		2,00,000.00	14,46,000.00
28-OCT-2019	TO NEFT TRF: M VIJAYAKUMAR: NEFT-2019102851125441		1,50,000.00		12,96,000.00
28-OCT-2019	TO CLEARING:0072029MANIKANDA KUMARN K:00121: - 0072029MANIKANDA KUMARN K		25,000.00		12,71,000.00
28-OCT-2019	TO NEFT TRF: SIVAMANI: NEFT-2019102851125478		1,50,000.00		11,21,000.00
27-JAN-2020	BY CHEQUEDD PAYMENT:BY SALYA CONSTRUCTION: CA 609405009795:00278	000970		5,87,640.00	17,08,640.00
18-FEB-2020	BY NEFT TRF:EGSPILLAYENGINEE N049200004744556:			1,74,000.00	18,82,640.00
17-MAR-2020	BY NEFT TRF:EGSPILLAYENGINEE N077200005044868:			1,61,000.00	20,43,640.00

20-MAY-2020	BY NEFT TRF:EGSPILLAYENGINEE N141200005468485:			1,56,000.00	21,99,640.00
20-MAY-2020	BY NEFT TRF:EGSPILLAYENGINEE N141200005461381:			1,61,000.00	23,60,640.00
20-MAY-2020	BY NEFT TRFAFSHEE TRAVELS N200500008644571:			60,000.00	24,20,640.00
10-JUN-2020	BY NEFT TRF:SURE SOFT SYSTEMS N202060009767271:			65,000.00	24,85,640.00
16-JUN-2020	BY NEFT TRF:VEI TECHNOLOGIES N202060009756871:			50,000.00	25,35,640.00
03-AUG-2020	BY CHEQUEDD PAYMENT:BY INDIGUARD SYSTEMS PRIVATE LIMITED: CA 6929989449:00278	993937		50,000.00	25,85,640.00
03-AUG-2020	BY NEFT TRF:PANTECH N2020800008637271:			50,000.00	26,35,640.00
03-AUG-2020	BY CHEQUEDD PAYMENT:BY RICH TRENDS: CA 94918157:00278	997582		85,000.00	27,20,640.00
03-AUG-2020	BY CHEQUEDD PAYMENT:BY INDIGUARD SYSTEMS PRIVATE LIMITED: CA 6929989449:00278	993939		35,000.00	27,55,640.00
03-AUG-2020	TO CLEARING:0069017PALANIMURUGAN S:00121: - 0069017PALANIMURUGAN S	1	30,000.00		27,25,640.00
27-AUG-2020	BY NEFT TRF:EGSPILLAYENGINEE N240200008637271:			1,56,000.00	28,81,640.00
27-AUG-2020	BY NEFT TRF:EGSPANDSONSEDUCA N240200008637348:			1,56,000.00	30,37,640.00
05-SEP-2020	TO CLEARING:0072026SIVAKUMAR R:00121: - 0072026SIVAKUMAR R	13	7,500.00		30,30,140.00
05-SEP-2020	TO CLEARING:0072026ARULSELVAN:00121: - 0072026 ARULSELVAN	15	15,000.00		30,15,140.00
05-SEP-2020	TO CLEARING:0072027SHYAM SUNDAR S:00121: - 0072027SHYAM SUNDAR S	12	7,500.00		30,07,640.00
05-SEP-2020	TO NEFT TRF: EGS PILLAY AND SONS EDUCATIONAL: NEFT-2020090551458978		10,00,000.00		✓20,07,640.00

Account No : 510909010139993

StatementDt: 01-JAN-2019 to 08-AUG-2022

Amt Brought Forward:

20,07,640.00

Date	Particulars	Chq No	Debit	Credit	Balance
05-SEP-2020	TO CLEARING:0072028CHINNADURAI M:00121: - 0072028CHINNADURAI M	3	12,000.00		19,95,640.00
05-SEP-2020	TO CLEARING:0072029MANIKANDA KUMARN K:00121: - 0072029MANIKANDA KUMARN K	2	25,000.00		19,70,640.00
05-SEP-2020	TO CLEARING:0072030MANIKANDAN S:00121: - 0072030MANIKANDAN S	6	2,000.00		19,68,640.00
05-SEP-2020	TO CLEARING:0072031MANIKANDAN S:00121: - 0072031MANIKANDAN S	4	3,750.00		19,64,890.00
05-SEP-2020	TO CLEARING:0072032CHINNADURAI M:00121: - 0072032CHINNADURAI M	5	3,750.00		19,61,140.00
05-SEP-2020	TO CLEARING:0072033KRISHNAMOHAN S:00121: - 0072033KRISHNAMOHAN S	10	7,500.00		19,53,640.00
SEP-2020	TO CLEARING:0072034PADMANABAN B:00121: - 0072034PADMANABAN B	9	38,640.00		19,15,000.00
05-SEP-2020	TO CLEARING:0072035RAMESH S M:00121: - 0072035RAMESH S M	8	12,500.00		19,02,500.00
07-SEP-2020	TO CLEARING:0034011VIJAYAKUMAR:00121: - 0034011VIJAYAKUMAR	7	12,500.00		18,90,000.00
07-SEP-2020	TO CLEARING:0034012G SUNDARAVADIVEL:00121: - 0034012G SUNDARAVADIVEL	11	7,500.00		18,82,500.00
11-SEP-2020	TO CLEARING:0138020KRISHNAMOHAN S:00121: - 0138020KRISHNAMOHAN S	14	50,000.00		18,32,500.00
24-SEP-2020	TO CLEARING:0129083RAMANUNUJAM N:00121: - 0129083RAMANUNUJAM N	19	6,750.00		18,25,750.00
24-SEP-2020	TO CLEARING:0129084RAMANUNUJAM N:00121: - 0129084RAMANUNUJAM N	17	12,500.00		18,13,250.00
24-SEP-2020	TO CLEARING:0129085CHOCKALINGAM S:00121: - 0129085CHOCKALINGAM S	21	3,000.00		18,10,250.00
24-SEP-2020	TO CLEARING:0129086CHOCKALINGAM S:00121: - 0129086CHOCKALINGAM S	18	12,500.00		17,97,750.00
24-SEP-2020	TO CLEARING:0134035KRISHNAMOHAN S:00121: - 0134035KRISHNAMOHAN S	20	3,750.00		17,94,000.00
24-SEP-2020	TO CLEARING:0134036MANATHUNAINATHAN V:00121: - 0134036MANATHUNAINATHAN V	22	1,500.00		17,92,500.00
24-SEP-2020	TO CLEARING:0134037SUNDAR RAJ A:00121: - 0134037SUNDAR RAJ A	23	11,500.00		17,81,000.00
24-SEP-2020	TO CLEARING:0134038JIM HAWKINSON S:00121: - 0134038JIM HAWKINSON S	24	3,500.00		17,77,500.00
24-SEP-2020	TO CLEARING:0134039R MANIVANNAN:00121: - 0134039R MANIVANNAN	25	12,500.00		17,65,000.00
24-SEP-2020	TO CLEARING:0134040CHINNADURAI M:00121: - 0134040CHINNADURAI M	26	12,500.00		17,52,500.00
24-SEP-2020	TO CLEARING:0134041GANESAN T:00121: - 0134041GANESAN T	15	7,500.00		17,45,000.00

Account No : 510909010139993

StatementDt: 01-JAN-2019 to 08-AUG-2022

Amt Brought Forward: 17,45,000.00

Date	Particulars	Chq No	Debit	Credit	Balance
24-SEP-2020	TO CLEARING:0134042RAMABALAN S:00121: - 0134042RAMABALAN S	16	15,000.00		17,30,000.00
28-SEP-2020	TO CLEARING:0101027K BALASUBRAMANIAN:00121: - 0101027K BALASUBRAMANIAN	27	3,750.00		17,26,250.00
30-SEP-2020	TO CLEARING:0179091ANANDARAJ RENGARAJ:00121: - 0179091ANANDARAJ RENGARAJ	29	7,500.00		17,18,750.00
30-SEP-2020	TO CLEARING:0179092KANNAN S:00121: - 0179092KANNAN S	28	3,750.00		17,15,000.00
01-OCT-2020	BY NEFT TRF:EGSPANDSONSEDUCA N275200009179564:			1,56,000.00	18,71,000.00
09-OCT-2020	BY NEFT TRF:EGSPILLAYENGINEE N283200009514165:			1,56,000.00	20,27,000.00
09-OCT-2020	TO CLEARING:0034095JEEVAMALAR J:00121: - 0034095JEEVAMALAR J	30	20,250.00		20,06,750.00
06-NOV-2020	TO CLEARING:0025023MANIKANDAN S:00121: - 0025023MANIKANDAN S	31	12,500.00		19,94,250.00
06-NOV-2020	TO CLEARING:0025024CHINNADURAI M:00121: - 0025024CHINNADURAI M	32	12,500.00		19,81,750.00
06-NOV-2020	BY CHEQUEDD PAYMENT:BY GANESH KUMAR KARUNANIDHI: CA 0456351000002772:00278	000051		75,000.00	20,56,750.00
07-DEC-2020	BY CHEQUEDD PAYMENT:BY SIXTH SENSE ROBOTICS AND AUTOMATIONPVT LTD: CA 29780500000042:00278	000153		3,45,000.00	24,01,750.00
07-DEC-2020	BY CHEQUEDD PAYMENT:BY SIXTH SENSE ROBOTICS AND AUTOMATIONPVT LTD: CA 29780500000042:00278	000156		3,45,000.00	27,46,750.00
16-DEC-2020	TO TRANSFER: SB 2781090001618121:00462	33	10,00,000.00		17,46,750.00
16-DEC-2020	BY NEFT TRF:VEI TECHNOLOGIES N202012009589271:			75,000.00	18,21,750.00
07-JAN-2021	TO CLEARING:0191021KANNAN S:00121: - 0191021KANNAN S	36	25,000.00		17,96,750.00
07-JAN-2021	TO CLEARING:0191022KRISHNAMOHAN S:00121: - 0191022KRISHNAMOHAN S	34	8,000.00		17,88,750.00
07-JAN-2021	TO CLEARING:0213001J JEEVAMALAR:00121: - 0213001 JEEVAMALAR	37	25,000.00		17,63,750.00
12-JAN-2021	BY NEFT TRF:EGSPILLAYENGINEE N012210011212541:			2,81,000.00	20,44,750.00
12-JAN-2021	BY NEFT TRF:EGSPANDSONSEDUCA N012210011212910:			2,81,000.00	23,25,750.00
21-JAN-2021	BY NEFT TRF:PANTECH N021210011213745:			75,000.00	24,00,750.00
30-JAN-2021	TO CLEARING:0239080MANIKANDAN S:00121: - 0239080MANIKANDAN S		15,000.00		23,85,750.00
30-JAN-2021	TO CLEARING:0239080ANANDAKUMARVARMA S:00121: - 0239080ANANDAKUMARVARMA S	35	15,000.00		23,70,750.00

30-JAN-2021	BY CHEQUEDD PAYMENT:BY INDIGUARD SYSTEMS PRIVATE LIMITED: CA 6929989449:00278	993938		47,500.00	24,18,250.00
27-APR-2021	TO CLEARING:CASH RAMABALAN S : 00125:		2,00,000.00		22,18,250.00
06-FEB-2021	TO CLEARING:0071027PRAVEENKUMAR S:00121:- 0071027PRAVEENKUMAR S	39	25,000.00		21,93,250.00
06-FEB-2021	TO CLEARING:0071028MANIKANDAN S:00121:- 0071028MANIKANDAN S	40	25,000.00		21,68,250.00
06-FEB-2021	TO CLEARING:0071029M IRSHAD AHAMED:00121:- 0071029M IRSHAD AHAMED	38	25,000.00		21,43,250.00
06-FEB-2021	BY CHEQUEDD PAYMENT:BY SIXTH SENSE ROBOTICS AND AUTOMATION: CA 29780500000042:00278	000167		6,90,000.00	28,33,250.00
06-FEB-2021	BY CHEQUEDD PAYMENT:BY SIXTH SENSE ROBOTICS AND AUTOMATION: CA 29780500000042:00278	000168		6,90,000.00	35,23,250.00
04-MAR-2021	BY NEFT TRF:EGSPANDSONSEDUCA N063210012138087:			2,35,000.00	37,58,250.00
04-MAR-2021	BY NEFT TRF:EGSPILLAYENGINEE N063210012138105:			2,35,000.00	39,93,250.00
15-APR-2021	BY RTGS TRF:EGSPANDSONSEDUCA RTGS - 2021041551989082:			2,33,000.00	42,26,250.00
15-APR-2021	BY CHEQUEDD PAYMENT:BY SIXTH SENSE ROBOTICS AND AUTOMATION: CA 29780500000042:00278	000187		2,15,000.00	44,41,250.00
15-APR-2021	BY CHEQUEDD PAYMENT:BY SIXTH SENSE ROBOTICS AND AUTOMATION: CA 29780500000042:00278	000189		1,65,000.00	46,06,250.00
15-APR-2021	BY CHEQUEDD PAYMENT:BY INDIGUARD SYSTEMS PRIVATE LIMITED: CA 6929989449:00278	993940		47,500.00	46,53,750.00


ACCOUNTS OFFICE
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

Account No : 510909010139993

Statement Dt: 01-JAN-2019 to 08-AUG-2022

Amt Brought Forward: 46,53,750.00

Date	Particulars	Chq No	Debit	Credit	Balance
15-APR-2021	BY RTGS TRF:EGSPILLAYENGINEE RTGS - 2021041551989236:			2,33,000.00	48,86,750.00
27-APR-2021	TO CLEARING:0104017KALAIVANI K:00121: - 0104017KALAIVANI K	41	1,00,000.00		47,86,750.00
27-APR-2021	TO NEFT TRF: RAMABALAN S: NEFT-2021042794425789		2,50,000.00		45,36,750.00
30-APR-2021	TO CLEARING:0073085CHOCKALINGAM S:00121: - 0073085CHOCKALINGAM S	42	1,00,000.00		44,36,750.00
06-MAY-2021	TO CHQ TRANSFER:NEFT:UTR:CIUBH21126116609: LAV80000486:S PALANIMUR:00278	43	1,00,000.00		43,36,750.00
07-MAY-2021	TO CHQ COURIER CHARGES:GST COLLECTED:99999		41.30		43,36,708.70
MAY-2021	BY CHEQUEDD PAYMENT:BY SALYA CONSTRUCTION: CA 609405009795:00278	000984		3,91,760.00	47,28,468.70
10-MAY-2021	BY RTGS TRF:EGSPILLAYENGINEE RTGS - 2021051052070910:			2,33,000.00	49,61,468.70
13-MAY-2021	BY NEFT TRF:VEI TECHNOLOGIES N20210513045872582:			75,000.00	50,36,468.00
20-MAY-2021	TO TRANSFER:BY R AND D CONSULTANCY ACC: SB 278001001296882:00278	51	18,07,982.00		32,28,486.70
09-JUN-2021	BY RTGS TRF:EGSPILLAYENGINEE RTGS - 2021060952135963:			2,33,000.00	34,61,486.70
09-JUN-2021	BY RTGS TRF:EGSPANDSONSEDUCA RTGS - 2021060952135909:			2,33,000.00	36,94,486.70
19-JUN-2021	TO CLEARING:0034068MOHAN V:00121: - 0034068MOHAN V	56	20,000.00		36,74,486.70
19-JUN-2021	TO CLEARING:0034069NAGALAKSHMI K:00121: - 0034069NAGALAKSHMI K	44	30,000.00		36,44,486.70
19-JUN-2021	TO CLEARING:0034070RAJU K:00121: - 0034070RAJU K	54	25,000.00		36,19,486.70
19-JUN-2021	TO CLEARING:0046058CHOCKALINGAM S:00121: - 0046058CHOCKALINGAM S	55	25,000.00		35,94,486.70
19-JUN-2021	BY CHEQUEDD PAYMENT:BY INTERLOGICX EMBEDDED SOLUTIONS: CA 005605005076:00278	188246		1,25,000.00	37,19,486.70
23-JUN-2021	TO CLEARING:0006023ANAKATH A S:00121: - 0006023ANAKATH A S	52	25,000.00		36,94,486.70
23-JUN-2021	TO CLEARING:0087032IRSHAD AHAMED M:00121: - 0087032IRSHAD AHAMED M	53	25,000.00		36,69,486.70
24-JUN-2021	BY NEFT TRF:PANTECH N2021062452135952:			75,000.00	37,44,486.70
05-JUL-2021	BY RTGS TRF:EGSPANDSONSEDUCA RTGS - 2021070552215493:			2,33,000.00	39,77,486.70
05-JUL-2021	BY RTGS TRF:EGSPILLAYENGINEE RTGS - 2021070552215478:			2,33,000.00	42,10,486.70
12-JUL-2021	TO CLEARING:0249005RAMABALAN S:00121: - 0249005RAMABALAN S	45	25,000.00		41,85,486.70

12-JUL-2021	BY CHEQUEDD PAYMENT:GUNASEELAN N: CA 51124786695478:00278	004681		1,08,000.00	42,93,486.70
23-JUL-2021	BY CHEQUEDD PAYMENT:BY INTERLOGICX EMBEDDED SOLUTIONS: CA 005605005076:00278	188247		1,00,000.00	43,93,486.70
31-JUL-2021	TO CLEARING:0070010MANIKANDAN S:00121:- 0070010MANIKANDAN S	57	15,000.00		43,78,486.70
31-JUL-2021	TO CLEARING:0070011MANIKANDA KUMARN K:00121:- 0070011MANIKANDA KUMARN K	59	21,350.00		43,57,136.70
31-JUL-2021	TO CLEARING:0070012JOHN PAUL V:00121:- 0070012JOHN PAUL V	58	1,00,000.00		42,57,136.70
04-AUG-2021	TO CLEARING:0038006SURESHBABU P J:00121:- 0038006SURESHBABU P J	61	25,000.00		42,32,136.70

Account No : 510909010139993

Statement Dt: 01-JAN-2019 to 08-AUG-2022

Amt Brought Forward:

42,32,136.70

Date	Particulars	Chq No	Debit	Credit	Balance
04-AUG-2021	TO CLEARING:0038007MANIKANDA KUMARN K:00121:- 0038007MANIKANDA KUMARN K	60	25,000.00		42,07,136.70
10-AUG-2021	TO CLEARING:0125022ANAND KUMAR VARMA S:00121:- - 0125022ANAND KUMAR VARMA S	62	25,000.00		41,82,136.70
10-AUG-2021	TO CLEARING:0192026KALAIVANI K:00121:- 0192026KALAIVANI K	63	25,000.00		41,57,136.70
10-AUG-2021	TO CLEARING:0192027RAMANUJAM N:00121:- 0192027RAMANUJAM N	65	25,000.00		41,32,136.70
10-AUG-2021	TO CLEARING:0192028RAMABALAN S:00121:- 0192028RAMABALAN S	64	5,250.00		41,26,886.70
12-AUG-2021	BY RTGS TRF:EGSPANDSONSEDUCA RTGS - 2021081252349150:			2,32,000.00	43,58,886.70
12-AUG-2021	BY RTGS TRF:EGSPILLAYENGINEER RTGS - 2021081252349145:			2,32,000.00	45,90,886.70
12-AUG-2021	BY RTGS TRF:VEI TECHNOLOGIES RTGS - 2021081252349345:			70,000.00	46,60,886.70
16-AUG-2021	TO CLEARING:0220014CHINNADURAI M:00121:- 0220014CHINNADURAI M	67	59,000.00		46,01,886.70
14-SEP-2021	BY RTGS TRF:EGSPANDSONSEDUCA RTGS - 2021091452461283:			2,19,000.00	48,20,886.70
14-SEP-2021	BY RTGS TRF:EGSPILLAYENGINEER RTGS - 2021091452461390:			2,19,000.00	50,39,886.70
28-SEP-2021	TO CLEARING:0084015MANIKANDAN S:00121:- 0084015MANIKANDAN S	71	1,00,000.00		49,39,886.70
28-SEP-2021	TO NEFT TRF: V MOHAN: NEFT-2021092851125441		1,45,000.00		47,94,886.70
28-SEP-2021	TO CLEARING:0084019CHINNADURAI M:00121:- 0084019CHINNADURAI M	69	12,500.00		47,82,386.70
29-SEP-2021	TO CLEARING:0296042PALANIMURUGAN S:00121:- 0296042PALANIMURUGAN S	70	25,000.00		47,57,386.70
01-OCT-2021	TO CLEARING:0052046SUBASHREE S:00121:- 0052046SUBASHREE S	68	12,500.00		47,44,886.70
04-OCT-2021	TO CLEARING:0052047ANAND RAJ P:00121:- 0052047ANAND RAJ P	72	1,00,000.00		46,44,886.70
04-OCT-2021	TO CLEARING:0052048MALLIKA C:00121:- 0052048MALLIKA C	73	25,000.00		46,19,886.70
11-OCT-2021	TO CLEARING:0358024KANNAN S:00121:- 0358024KANNAN S	74	30,000.00		45,89,886.70
11-OCT-2021	TO CLEARING:0358025M IRSHAD AHAMED:00121:- 0358025M IRSHAD AHAMED	76	25,000.00		45,64,886.70
11-OCT-2021	TO CLEARING:0358026PRAVEENKUMAR S:00121:- 0358026PRAVEENKUMAR S	75	27,000.00		45,37,886.70
12-OCT-2021	TO CLEARING:0331014EDWARD ANAND E:00121:- 0331014EDWARD ANAND E	79	39,000.00		44,98,886.70
12-OCT-2021	TO CLEARING:0331024SIVARAMAKRISHNANV:00121:- 0331024SIVARAMAKRISHNANV	78	35,000.00		44,63,886.70

12-OCT-2021	TO CLEARING:0331025CHOCKALINGAM S.00121: - 0331025CHOCKALINGAM S	77	35,000.00	44,28,886.70
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Account No : 510909010139993

Statement Dt: 01-JAN-2019 to 08-AUG-2022

Amt Brought Forward:

44,28,886.70

Date	Particulars	Chq No	Debit	Credit	Balance
12-OCT-2021	BY RTGS TRF:EGSPILLAYENGINEE RTGS - 2021101252560425:			2,22,000.00	46,50,886.70
16-OCT-2021	BY RTGS TRF:EGSPANDSONSEDUCA RTGS - 2021101652573529:			2,22,000.00	48,72,886.70
18-OCT-2021	TO CHQ TRANSFER:NEFT:UTR:CIUBH21291013823: FDRL0002019:BALAMURUGAN:00278	81	15,340.00		48,57,546.70
22-OCT-2021	TO CLEARING:0254002M NUTHAL SRINIVASAN:00121: - 0254002M NUTHAL SRINIVASAN	80	1,00,000.00		47,57,546.70
29-OCT-2021	BY RTGS TRF:EGSPILLAYENGINEE RTGS - 2021102952623681:			2,22,000.00	49,79,546.70
02-NOV-2021	TO CLEARING:0024034KRISHNAMOHAN S:00121: - 0024034KRISHNAMOHAN S	82	25,000.00		49,54,546.70
04-NOV-2021	TO CLEARING:0141049M IRSHAD AHAMED:00121: - 0141049M IRSHAD AHAMED	83	7,500.00		49,47,046.70
05-NOV-2021	TO TRANSFER:TRANSFER TO 500101010889678: SB 500101010889678:00006	84	25,000.00		49,22,046.70
10-NOV-2021	TO CLEARING:0070007LAVANYA R:00121: - 0070007LAVANYA R	85	25,000.00		48,97,046.70
04-DEC-2021	TO CLEARING:0109048NAGALAKSHMI K:00121: - 0109048NAGALAKSHMI K	86	1,750.00		48,95,296.70
04-DEC-2021	TO CLEARING:0109049ANAKATH A S:00121: - 0109049ANAKATH A S	87	25,000.00		48,70,296.70
07-DEC-2021	TO CLEARING:0235030SURESHBABU P J:00121: - 0235030SURESHBABU P J	48	25,000.00		48,45,296.70
07-DEC-2021	BY NEFT TRF:EGSPILLAYENGINEE N341210027759787:			2,15,000.00	50,60,296.70
18-DEC-2021	TO CLEARING:0020042JEEVAMALAR J:00121: - 0020042JEEVAMALAR J	90	25,000.00		50,35,296.70
18-DEC-2021	TO CLEARING:0020043MANIKANDAN S:00121: - 0020043MANIKANDAN S	88	1,43,000.00		48,92,296.70
DEC-2021	TO CLEARING:0020044RAMABALAN S:00121: - 0020044RAMABALAN S	89	25,000.00		48,67,296.70
27-DEC-2021	TO CLEARING:0002010KRISHNAMOHAN S:00121: - 0002010KRISHNAMOHAN S	91	25,000.00		48,42,296.70
27-DEC-2021	TO CLEARING:0002011CHINNADURAI M:00121: - 0002011CHINNADURAI M	92	25,000.00		48,17,296.70
28-DEC-2021	TO CLEARING:0364037SIVARAMAKRISHNANV:00121: - 0364037SIVARAMAKRISHNANV	93	6,000.00		48,11,296.70
31-DEC-2021	TO TRANSFER:TO CHINNADURAI M: SB 278001001296882:00278	95	29,500.00		47,81,796.70
01-JAN-2022	TO CLEARING:0029050MANIKANDAN S:00121: - 0029050MANIKANDAN S	94	5,500.00		47,76,296.70

Account No : 510909010139993

StatementDt: 01-JAN-2019 to 08-AUG-2022

Amt Brought Forward:

47,76,296.70

Date	Particulars	Chq No	Debit	Credit	Balance
12-JAN-2022	BY RTGS TRF:EGSPILLAYENGINEE RTGS - 2022011252878774:			2,07,000.00	49,83,296.70
12-JAN-2022	BY RTGS TRF:EGSPANDSONSEDUCA RTGS - 2022011252878789:			2,07,000.00	51,90,296.70
24-JAN-2022	TO CLEARING:0091020ANAND RAJ P:00121: - 0091020ANAND RAJ P	49	25,000.00		51,65,296.70
04-FEB-2022	BY RTGS TRF:EGSPANDSONSEDUCA RTGS - 2022020452953082:			2,07,000.00	53,72,296.70
04-FEB-2022	BY RTGS TRF:EGSPILLAYENGINEE RTGS - 2022020452953098:			2,07,000.00	55,79,296.70
04-FEB-2022	BY RTGS TRF:VEI TECHNOLOGIES RTGS - 202202045295058:			60,000.00	56,39,296.70
07-FEB-2022	TO CLEARING:0289011RAMANUJAM N:00121: - 0289011RAMANUJAM N	96	25,000.00		56,14,296.70
07-FEB-2022	TO CLEARING:0289012SENTHIL KUMAR S:00121: - 0289012SENTHIL KUMAR S	97	25,000.00		55,89,296.70
07-FEB-2022	TO CLEARING:0289013YOKESWARAN V:00121: - 0289013YOKESWARAN V	98	17,500.00		55,71,796.70
10-FEB-2022	TO CLEARING:0194006MALLIKA C:00121: - 0194006MALLIKA C	99	25,000.00		55,46,796.70
10-FEB-2022	TO CLEARING:0194007NOORUL AMEEN J:00121: - 0194007NOORUL AMEEN J	50	1,60,000.00		53,86,796.70
14-FEB-2022	TO TRANSFER: FD 500707120142085:00278	101	40,00,000.00		13,86,796.70
19-FEB-2022	TO CLEARING:0012018KRISHNAMOHAN S:00121: - 0012018KRISHNAMOHAN S	105	7,500.00		13,79,296.70
19-FEB-2022	TO CLEARING:0012019ANAND KUMAR VARMA S:00121: - 0012019ANAND KUMAR VARMA S	103	15,000.00		13,64,296.70
19-FEB-2022	TO CLEARING:0012020SIVA RAMA KRISHNAN V:00121: - 0012020SIVA RAMA KRISHNAN V	102	7,500.00		13,56,796.70
FEB-2022	TO CLEARING:0111045S ANAND KUMAR VARMA:00121: - 0111045S ANAND KUMAR VARMA	104	15,000.00		13,41,796.70
19-FEB-2022	BY CHEQUEDD PAYMENT:BY MURUGESAN: CA:00278	350222		80,000.00	14,21,796.70
28-FEB-2022	TO CLEARING:0123019ARCHUNAN A:00121: - 0123019ARCHUNAN A	106	15,000.00		14,06,796.70
28-FEB-2022	BY CHEQUEDD PAYMENT:BY SALYA CONSTRUCTION: CA 609405009795:00278	001006		2,93,820.00	17,00,616.70
04-MAR-2022	BY NEFT TRF:EGSPANDSONSEDUCA N063220028826571:			1,97,000.00	18,97,616.70
04-MAR-2022	BY NEFT TRF:EGSPILLAYENGINEE N063220028826541:			1,97,000.00	20,94,616.70
05-MAR-2022	TO CLEARING:0062014G SUNDARAVADIVEL:00121: - 0062014G SUNDARAVADIVEL	107	25,000.00		20,69,616.70
10-MAR-2022	TO CLEARING:0085007GANESAN R:00121: - 0085007GANESAN R	108	4,100.00		20,65,516.70

14-MAR-2022	TO CLEARING:0146047RAMABALAN S:00121: - 0146047RAMABALAN S	110	25,000.00	20,40,516.70
14-MAR-2022	TO CLEARING:0146048MANOJ KUMAR MISHRA:00121: - 0146048MANOJ KUMAR MISHRA	109	1,15,000.00	19,25,516.70

Account No : 510909010139993

Statement Dt: 01-JAN-2019 to 08-AUG-2022

Amt Brought Forward:

19,25,516.70

Date	Particulars	Chq No	Debit	Credit	Balance
18-MAR-2022	TO CLEARING:0094048CHINNADURAI M:00121: - 0094048CHINNADURAI M	112	29,500.00		18,96,016.70
18-MAR-2022	TO CLEARING:0094049KRISHNAMOHAN S:00121: - 0094049KRISHNAMOHAN S	111	17,500.00		18,78,516.70
18-MAR-2022	CASH HANDLING CHARGES		3,820.00		18,74,696.70
18-MAR-2022	TO TRANSFER: FD 500707120142190:00278		3,70,000.00		15,04,696.70
18-MAR-2022	TO CLEARING:0094050G SUNDARAVADIVEL:00121: - 0094050G SUNDARAVADIVEL	114	1,00,000.00		14,04,696.70
18-MAR-2022	TO CLEARING:0095001B MANIKANDAN:00121: - 0095001B MANIKANDAN	113	1,00,000.00		13,04,696.70
19-MAR-2022	TO CLEARING:0121045KRISHNAMOHAN S:00121: - 0121045KRISHNAMOHAN S	116	40,000.00		12,64,696.70
19-MAR-2022	TO CLEARING:0121046RAMANUJAM N:00121: - 0121046RAMANUJAM N	115	40,000.00		12,24,696.70
23-MAR-2022	TO CLEARING:0127028RAMABALAN S:00121: - 0127028RAMABALAN S	117	25,000.00		11,99,696.70
23-MAR-2022	TO CLEARING:0127029SANTHOSH KUMAR S:00121: - 0127029SANTHOSH KUMAR S	118	25,000.00		11,74,696.70
28-MAR-2022	TO CLEARING:0093048SIVAKUMAR R:00121: - 0093048SIVAKUMAR R	119	20,000.00		11,54,696.70
11-APR-2022	BY NEFT TRF:EGSPILLAYENGINEE N101220029249075:			1,88,000.00	13,42,696.70
25-APR-2022	TO CLEARING:0033040CHINNADURAI M:00121: - 0033040CHINNADURAI M	120	25,000.00		13,17,696.70
07-MAY-2022	BY NEFT TRF:EGSPILLAYENGINEE N127220029514653:			1,88,000.00	15,05,696.70
17-MAY-2022	TO CLEARING:0267043MANATHUNAINATHAN V:00121: - 0267043MANATHUNAINATHAN V	129	27,000.00		14,78,696.70
MAY-2022	TO CLEARING:0267044M NUTHAL SRINIVASAN:00121: - 0267044M NUTHAL SRINIVASAN	130	25,000.00		14,53,696.70
18-MAY-2022	TO CLEARING:0030031MOHAN V:00121: - 0030031MOHAN V	128	25,000.00		14,28,696.70
18-MAY-2022	TO CLEARING:0030032RAMACHANDRAN L:00121: - 0030032RAMACHANDRAN L	127	25,000.00		14,03,696.70
18-MAY-2022	TO CLEARING:0030033MANIKANDAN S:00121: - 0030033MANIKANDAN S	126	7,500.00		13,96,196.70
18-MAY-2022	TO CLEARING:0030034MANIKANDAN S:00121: - 0030034MANIKANDAN S	121	25,000.00		13,71,196.70
19-MAY-2022	TO CLEARING:0056012KANNAN S:00121: - 0056012KANNAN S	125	12,500.00		13,58,696.70
23-MAY-2022	TO CLEARING:0211025ANAKATH A S:00121: - 0211025ANAKATH A S	122	25,000.00		13,33,696.70
23-MAY-2022	TO CLEARING:0211026GANESAN R:00121: - 0211026GANESAN R	123	25,000.00		13,08,696.70

23-MAY-2022	TO CLEARING:0211027ANAND BABU R:00121:- 0211027ANAND BABU R	124	12,500.00	12,96,196.70
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Account No : 510909010139993

Statement Dt: 01-JAN-2019 to 08-AUG-2022

Amt Brought Forward: 12,96,196.70

Date	Particulars	Chq No	Debit	Credit	Balance
30-MAY-2022	BY NEFT TRF:VEI TECHNOLOGIES N150220029845838:			70,000.00	13,66,196.70
09-JUN-2022	BY NEFT TRF:EGSPILLAYENGINEE N160220029857438:			1,81,000.00	15,47,196.70
10-JUN-2022	TO CHQ BOOK CHARGES:GST COLLECTED:00278		325.00		15,46,871.70
27-JUL-2022	TO NEFT TRF:BULKNEFT0132:NEFT:UTR: CIUBH22208102758:DBSS0IN0367:SIVAKUMARR:		25,000.00		15,21,871.70
27-JUL-2022	TO NEFT TRF:BULKNEFT0132:NEFT:UTR: CIUBH22208102759:DBSS0IN0486:NOORULAMEENJ:		25,000.00		14,96,871.70
27-JUL-2022	TO NEFT TRF:BULKNEFT0132:NEFT:UTR: CIUBH22208102760:DBSS0IN0486:IRSHADAHAMED:		25,000.00		14,71,871.70
27-JUL-2022	TO NEFT TRF:BULKNEFT0132:NEFT:UTR: CIUBH22208102801:DBSS0IN0486:KOTEESHWARIR:		25,000.00		14,46,871.70
27-JUL-2022	TO NEFT TRF:BULKNEFT0132:NEFT:UTR: CIUBH22208102802:DBSS0IN0486:ARUNKUMARA:		25,000.00		14,21,871.70
27-JUL-2022	TO NEFT TRF:BULKNEFT0132:NEFT:UTR: CIUBH22208102803:DBSS0IN0486:SENTHILKUMAR:		10,000.00		14,11,871.70
27-JUL-2022	TO NEFT TRF:BULKNEFT0132:NEFT:UTR: CIUBH22208102805:DBSS0IN0486:SANTHOSHKUMA:		7,500.00		14,04,371.70
27-JUL-2022	TO NEFT TRF:BULKNEFT0132:NEFT:UTR: CIUBH22208102806:DBSS0IN0486:KRISHNAMOHAN:		19,500.00		13,84,871.70
27-JUL-2022	TO NEFT TRF:BULKNEFT0132:NEFT:UTR: CIUBH22208102807:DBSS0IN0486:CHOCKALINGAM:		1,30,000.00		12,54,871.70
28-JUL-2022	TO CLEARING:0201048RAMANUJAM N:00121:- 0201048RAMANUJAM N	131	1,00,000.00		11,54,871.70
02-AUG-2022	BY NEFT TRF:EGSPILLAYENGINEE N214220030389762:			2,75,000.00	14,29,871.70

Total		1,29,93,348.30	1,44,23,220.00
Total Debits	149		
Total Credits	76		

END OF REPORT



**E.G.S.PILLAY ENGINEERING COLLEGE
NAGAPATTINAM.
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Table 5.8.4 Details of Consultancy work

Academic Year 2020-2021					
S.No.	Name of the Company	Nature of Work	Duration	Consultancy Fee in Rs	Faculty Involved in the Work
1.	Interlogix Embedded Solutions, Pondicherry.	Advanced Security Siren with GSM Technology	One Year	225,000	Dr.M.Vijayakumar Dr.V.Mohan
2.	Devi Industries, No.2/330, deva nagar, Maniyakkaranpalayam Road, Ganapathy, Coimbatore.	Semi Automatic Oil Bottle Filling Machine.	Nine Month	2,00,000	Dr.M.Vijayakumar Dr.T.Suresh Padmanabhan
3.	Indiguard Systems (P) Ltd, 3/365,Kollangudi, Thanjavur.	Touch Free Temperature Monitor System	Three Month	95,000	Dr.M.Vijayakumar Mr.R.Anandraj
Total Amount				5,20,000	


R& D Coordinator


HOD/EEE

Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg
E.G.S. Pillay Engineering College, Nagapattinam



Interlogic α

Embedded Solutions

Design / Training / Consultancy

No: 33, East Coast Road, Chinnakalpet, Pondicherry - 605014, Opposite to Pondicherry University Main

Phone : 041-26473 2255751
Mobile : 9952463624
Web : www.interlogic.com
Email : admin@interlogic.com

From

Interlogic Embedded Solutions

No 33, East Coast Rd,

Chinna Kalapet,

Puducherry, 605014.

To

The HOD, EEE Dept.

EGS Pillay Engineering College

Nagapattinam, Tamil Nadu 611002.

Sub: Request quotation for design and development of Advance security device.

Respected sirmadam

Interlogic Embedded Solutions is a leading integrated Manufacturer and supplier of Embedded Systems and VLSI related products. We need your technical support for design and development of advance security system. Technical specifications of the device are attached in this mail. Kindly send us the best quotation as soon as possible.

Thanking You,

Yours faithfully,

Rajkumar. S

Place: Pondicherry.

Date: 30-06-20220



Phone : 041) - 2265760 Mobile : 9952463624 Web : www.interlogic.com Email : admin@interlogic.com

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 02/07/2020

Subject: One to One Discussion –Regarding

Dear Er. S.Rajkumar,

I'm Mr.M.Vijayakumar working as Associate Professor and Consultant at E.G.S.Pillay Engineering College Nagapattinam. With your inquired, here, we specialize in Advanced Embedded System, PCB Design and Fabrication and we've helped your consumer product development up to end. Since you're a Managing Director/ Manager at Interlogicx Embedded Solutions, Pondicherry, I believe we could collaborate to achieve good consumer product by using our Consultancy.

I'd like to invite you to our office at E.G.S.Pillay Consultancy Services, E.G.S.Pillay Engineering College, Nagapattinam for a meeting to discuss this further. Would either 06/07/2020 or 10/07/2020, 10 AM to 4 PM work for you? Please let me know if you'd like to meet at a different time.

Kind regards,



Associate Professor / Consultant

EGSPCS

Contact Number: +91 9488012038

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 10/07/2020

To

Er. S. Rajkumar,
Interlogicx Embedded Solutions,
No.33, East Coast Road, ChinnaKalapet,
Pondicherry-605014

Dear Er. S. Rajkumar,

Thank you for taking the time to meet with my colleagues from the Department of EEE, EGSPCS and me today regarding your Consumer product development goals. It's been a pleasure talking to you and learning about your Company. With reference to our discussion on Advanced Security Siren with GSM Technology and further deliberations from there on, please find the quotation for the complete product design including the delivery of PCB and manufacturing files. Looking forward to your formal Purchase order.

Thanks & Regards

Handwritten signature and date: 10/7/2020

Dr. V. MOHAN M.E. PH.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

QUOTATION

REF: EGSPCS/QUOT/EEE/2020/101

Date: 11/02/2020

To

Ec. S. Rajkumar,
Interlogix Embedded Solutions,
No.13, East Coast Road, Chitana Kalapet,
Pondicherry-605014

Sub: Quotation for Advanced Security Siren with GSM Technology - Reg

Dear Sir,

Warm Greetings from E.G.S. Pillay Consultancy Services.

With reference to our discussion for Design and Development of Advanced Security Siren with GSM Technology and further deliberations from there on, we are pleased to submit the Quotation for the same. Please feel free to contact us so that we can initiate the proceedings. Looking forward to hear from you.

For E.G.S.Pillay Consultancy Services

(Signature)
Director/HOD
Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Terms and conditions :

- ❖ The above mentioned charges are inclusive of applicable taxes and shipment within India.
- ❖ Payment Terms – 50% in advance along with purchase order, 25% against CDR and 25% against completion.
- ❖ Third party testing is scope of the customer.
- ❖ Necessary compliance certification (Country / Region Specific) for specific countries will be done by EGSPCS upon request and the actual costs towards this will be borne by the customer.
- ❖ Offer is valid for one week from the date of submission of the proposal.
- ❖ All orders and payments should be in favor of E.G.S.Pillay Consultancy Services.
- ❖ Payments should be in the form of Wire Transfer/DD/Cash.

Delivery Time :

The hardware would be delivered in the basis of Agreement from the date of purchase order and the receipt of 50% Advance.

Contact :

E.G.S.Pillay Consultancy Services,
Department of Electrical and Electronics Engineering
E.G.S.Pillay Engineering College (Autonomous)
Nagore Road,
Nagapattinam, Tamilnadu-
Contact Number: 9488012038

RECURB Bank
Rapidly through
the Mahanagar
Mumbai / FSO Circle / Maharashtra

OFFICIAL RECEIPT NUMBER
15072020
DDMMYY

AC. PAYEE

PAY RAND (CONSULTANCE, E.G. S. PILLAY ENGINEERING COLLEGE ORDER)
Rupees **ONE LAKH ONLY**

AMOUNT

005005000076

₹ 1,00,000/-

1. BANK OF INDIA

CBS

2. BUSINESS BANKING CURRENT ACCOUNT

3. Payable to the order of the bank limited in India

FORBIOLOGICAL RESEARCH SOLUTIONS



S. Pillay
S. PILLAY
Signature

IFSC: 005005000076

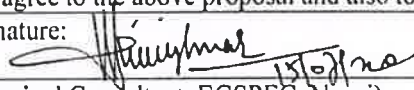
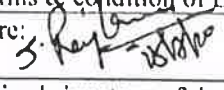
**E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM**

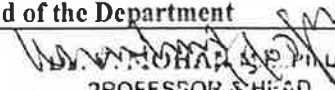

Consultancy Project Agreement		
Project Title:	Advanced Security Siren with GSM Technology	
Name and Address of the Company:	Er. S.Rajkumar, Interlogicx Embedded Solutions, Pondicherry.	
Name of the Representative:	Er. S.Rajkumar	
Phone:9944291786	Fax:	E-mail:rajkumar@gmail.com

Principal Consultant*

S.No	Name of the Consultant	Designation	Department
1*	Mr.M.Vijayakumar	Associate Professor	EEE
2	Dr.V.Mohan	Professor	EEE
3			

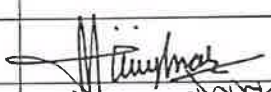
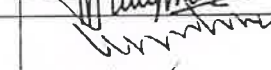
Project Cost:Rs.2,25,000/-	Service Tax:Nil
Total Project Cost: Rs.2,25,000/-	
Duration of Proposed Work: one year	
Date of Commencement: 20/07/2020	Date of Completion: 16/06/2021
Scope of Proposed Work: The microcontroller Based Security System with GSM technology is a design that applies automated security system in homes, Industries, military etc. The project will feature a system that will track the presence of an unwanted person intruder in restricted area and also inform the user about the position of the intruder.	

We agree to the above proposal and also to the EGSPC terms & condition of EGSPEC Nagai.	
Signature: 	Signature: 
(Principal Consultant, EGSPEC, Nagai)	(Authorized signatory of the client)
Name: Mr. M. Vijayakumar Associate Professor / EEE	Name:S.Rajkumar Interlogicx Embedded Solutions,Pondyicherry
Date: 15/07/2020	Date:15/07/2020

Head of the Department	EGSPC Office Use	Registered
Signature:  PROFESSOR & HEAD	Project Number: EGSPCS/QUOT/EEE/2018/101	
Date: 15/07/2020 Department of Electrical & Electronics Engineering E.G.S. Pillai Engineering College - Nagapattinam	Date: 15/07/2020	Signature: 

**E.G.S. PILLAY CONSULTANCY SERVICES
E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM
FORM FOR APPROVAL OF CONSULTANCY PROJECT**

1. Name of the Department/Office/Branch: **EEE**
2. Title of the Consultancy Project: **Advanced Security Siren with GSM Technology**
3. Consultancy Project Category: **I/II/III**
4. Duration of the Consultancy Project (Year/Month/Days): **One year**
5. (i) Date of Commencement **20/07/2020** (ii) Expected Date of Completion **19/07/2021**
6. Detailed Project Report (DPR) attached: **YES / NO**
7. Client's Name and Address : **Er.S.Rajkumar, No.33, Interlogicx Embedded Solutions, Chinnakalpet, Pondicherry.**
8. Type of Client (Tick): **Private Sector/ Govt. Sector/ Public Sector /Foreign Agency / Others (Please Specify)**
9. Payment to be received in : **Full / Part ; Indian Currency / Foreign Currency**
10. Whether MoU/ Agreement Signed with Client (Attach, if any): **Signed / Not Signed**
11. Consent Letter from the Client attached: **YES / NO**
12. Consent Letter from the Consultant(s) attached: **YES / NO.**
13. Details of Persons involved in the Consultancy Project:

Name of Consultant(s) along with Designation & Department/Office/Branch	Brief role	Signature
Mr.M.Vijayakumar Associate Professor / EEE	PI	
Dr.V.Mohan Professor and Head / EEE	CO - PI	

Signature of the Principal Consultant (with date)
Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD

Forwarded by Head of Department/ branch/office

Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

Director (EGSPCS) Office, EGSPEC

Consultancy Project No.: **EGSPCS/APP/EEE/2020/101**

Dated: **15/07/2020**

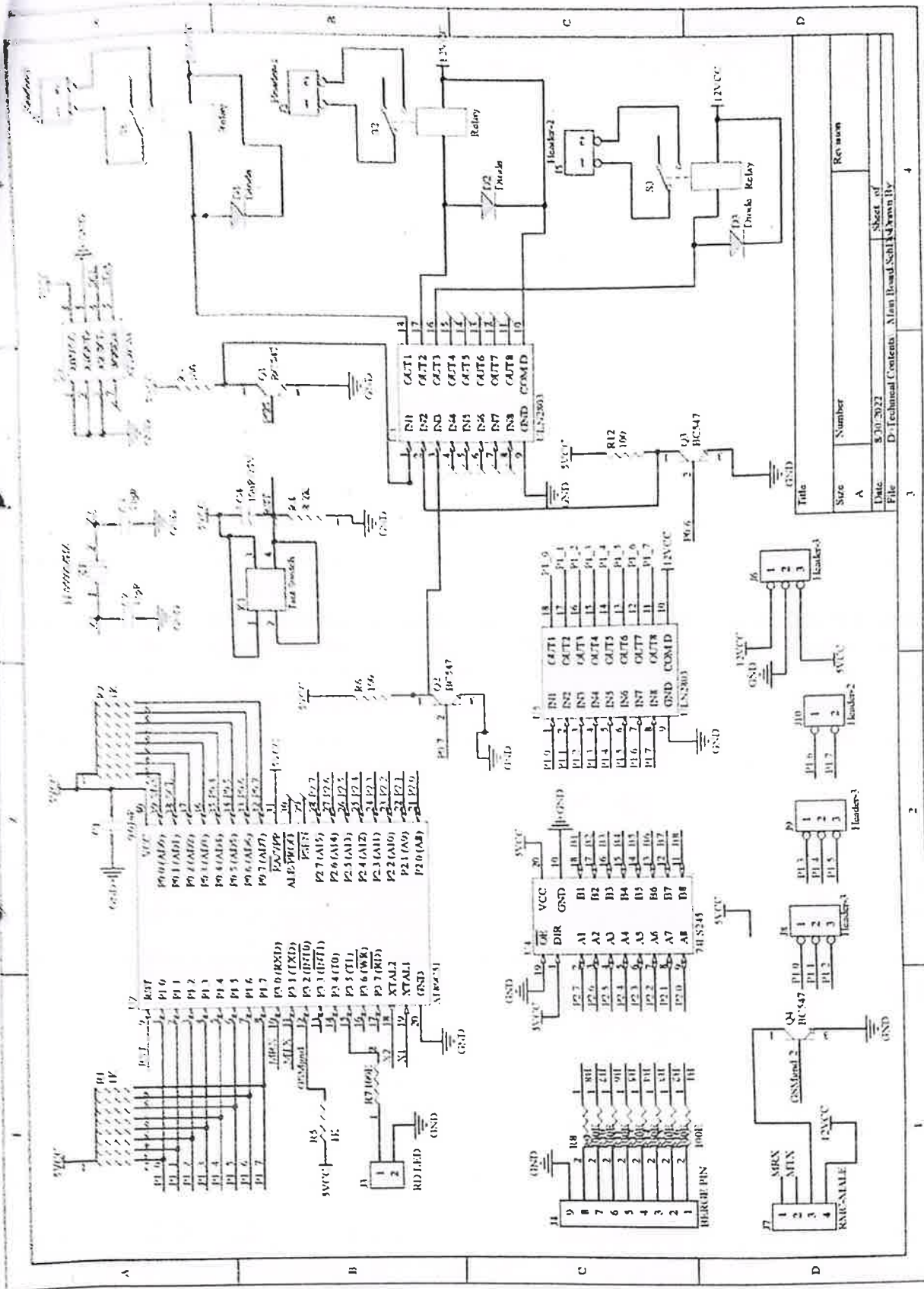
Recommendations of EGSPCS Committee: **Approved / Not Approved / Suggestions for improvement**

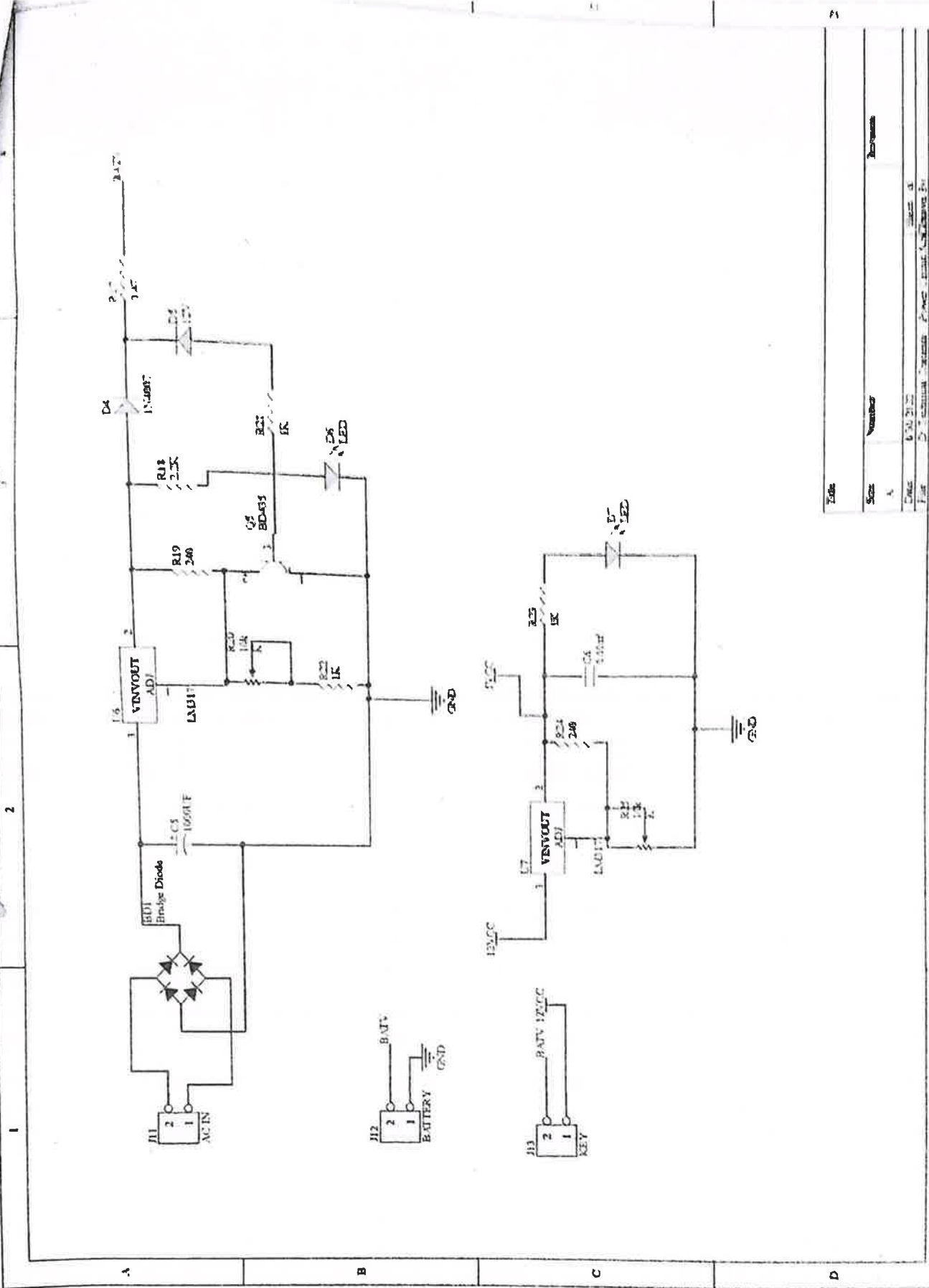

Convener


Member(s)

(**K. Narayankumar**)

Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam





Title

Size	Number	Remarks
A	1	
Drawn	6/3/2022	
File	2	

VALID FOR THREE MONTHS ONLY
1 6 0 6 2 0 2 1
D D M M Y Y Y Y

A/C PAYEE

ICICI Bank
Pondicherry Branch
49, Mission Street, Pondicherry-605001
RTGS / NEFT / IFSC Code : ICIC0000036

Pay R. AND D. CONSULTANCE, E.G.S. PILLAY ENGINEERING COLLEGE OR ORDER
Rupees ONE LAKH TWENTY FIVE THOUSAND ONLY ₹ 1,25,000/-

FOR INTERLOGICX EMBEDDED SOLUTIONS

CBS
BUSINESS BANKING : CURRENT ACCOUNT
005605005076
Payable at all branches of ICICI Bank Limited in India

22/8/16
A/c No. 005605005076

S. V. H. S.

PARTNER
Please sign above



⑈ 188 24 6 ⑈ 605 2 2900 2⑈ 0050 76 ⑈ 29

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

(Performs for making request for issuance billing for Consultancy and Testing Projects)

Project Title/Description: Advanced Security Siren with GSM Technology

MCSS1 Controller, SIM 900 Modem, 5V and 12V Power Circuit, various types of sensors,
120DB Siren, 12V, 7.5AH Battery, 8 Sensor inputs and Cabinet Design.

Name of the Client: Er. S. Rajkumar

Approval No: EGSPCS/APP/EEE/2020/101

Dated: 15/07/2020

Billing Amount (inclusive of TDS, Service Tax etc.) in Rs. 2,25,000/-

Payment through Cash /Cheque/DD No. 188 247 Dated 15.7.2020
188 241 16.06.2021

Dated: 16.06.2021

Signature M. Vijayakumar 16/06/21

Name of P.I : M.Vijayakumar, Asso. Prof / EEE

Department: EEE

M. Mohan
Director Consultancy Services/HOD

Ref: Copy of Job Approval Form

Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

DA

GST No. 33DOQPS3966Q12Q

DEVI INDUSTRIES

NO. 7/330, DEVA NAGAR, MANIYAKKARANPALAYAM ROAD
GANAPATHY, COIMBATORE, TAMILNADU

05.08.2020

Dear Sir,

I'm V. Subhasan from Coimbatore's Devi Industries. For our Client, we wish to design and create semi-automatic oil filling devices. I had already met a representative from your Institute and had previously described my needs. We can start the next step of the procedure if you set up the direct meeting.

Thanks and Regards

V. Subhasan



**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 07/08/2020


Subject: One to One Discussion –Regarding

Dear Mr. V.Srinivasan,

I'm Mr.M.Vijayakumar working as Associate Professor and Consultant at E.G.S.Pillay Engineering College Nagapattinam. With your inquired, Here, we specialize in Advanced Embedded System, PCB Design and Fabrications and we've helped your consumer product development up to end. Since you're a Managing Director at Devi Industries, Coimbatore. I believe we could collaborate to achieve good consumer product by using our Consultancy.

I'd like to invite you to our office at E.G.S.Pillay Consultancy Services, E.G.S.Pillay Engineering College, Nagapattinam for a meeting to discuss this further. Would either 11/08/2020 or 17/08/2020, 10AM to 4PM work for you? Please let me know if you'd like to meet at a different time.

Kind regards,


Associate Professor / Consultant

EGSPCS

Contact Number: +91 9488012038

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 10/07/2020

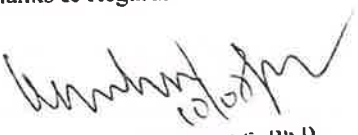
To

Mr.V.Srinivasan,
Devi Industries,
No. 2/330, Deva Nagar,
Maniyakkaranpalayam Road, Ganapathy,
Coimbatore.

Dear Mr.V.Srinivasan,

Thank you for taking the time to meet with my colleagues from the Department of EEE, EGSPCS and me today regarding your Consumer product development goals. It's been a pleasure talking to you and learning about your Company. With reference to our discussion on **Semi Automatic Oil Bottle Filling Machine** and further deliberations from there on, please find the quotation for the complete product design including the delivery of PCB and manufacturing files. Looking forward to your formal Purchase order.

Thanks & Regards


Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

QUOTATION

REF:EGSP'S QUOTE/EEE/2020/102

Date: 17/08/2020

To

Mr.V.Srinivasan,

Devi Industries,

No. 2330, Deva Nagar,

Maniyakkaranpalayam Road, Ganapathy,

Coimbatore.

Sub: Quotation for Semi Automatic Oil Bottle Filling Machine - Reg

Dear Sir,

Warm Greetings from E.G.S.Pillay Consultancy Services.

With reference to our discussion for Design and Development of Semi Automatic Oil Bottle Filling Machine and further deliberations from there on, we are pleased to submit the Quotation for the same. Please feel free to contact us so that we can initiate the proceedings. Looking forward to hear from you.

For E.G.S.Pillay Consultancy Services


HOD/EEE

**Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam**

E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.

Commercials for Semi Automatic Oil Bottle Filling Machine

Sl. No.	Particulars	Quantity	Rate	Amount in Rs
1.	Mother Board : Design and Development Charge	1	55000	55000
2.	Cabinet Design and Development Charge	1	45000	45000
3.	Semi Automatic Oil Bottle Filling Machine	8	12500	100000
			Sub Total	2,00,000
			Total Payable	2,00,000
In Words: Two Lakhs only				

Account Details:

Ac/No: 51090901039993

Name : R AND D CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE

Bank : CITY UNION BANK

Branch: NAGORE

List of Deliverables :

1. Completed and tested hardware prototype as per customer specifications.
2. Fabrication drawings.
3. Complete Design Schematic.
4. PCB fabrication files and Gerber files.
5. Firmware source files and Hex files.

Product Ownership :

The IP rights of the designed product belong to the customer. The E.G.S.Pillay Consultancy Services shall not claim any ownership of the developed product.

QUESTIONNAIRE ON TRAINING NEEDS ASSESSMENT
FOR THE NATIONAL ENVIRONMENTAL EDUCATION PROGRAM
FOR THE YEAR 2000-2001

Instructions:

1. This questionnaire is to be filled in by the respondent who is a member of the staff of the institution.
2. Fill in the name of the institution and the respondent's name in the space provided.
3. Respond to the questions in the questionnaire.
4. Answer the questions in the questionnaire. Answer 'Yes' or 'No' for each question and indicate the reason for your answer in the space provided.
5. Fill in the name of the respondent in the space provided.
6. Do not write your name in the space provided for the respondent's name.
7. Submit the questionnaire to the office of the respondent.

Section A:

1. Name of the institution: _____

2. Name of the respondent: _____

Section B:

- 1. Are you a member of the staff of the institution? _____
- 2. Are you a member of the staff of the institution? _____
- 3. Are you a member of the staff of the institution? _____
- 4. Are you a member of the staff of the institution? _____
- 5. Are you a member of the staff of the institution? _____

**E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM**

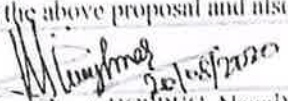
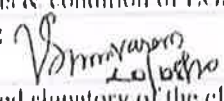
Consultancy Project Agreement

Project Title:	Semi Automatic Oil Bottle Filling Machine
Name and Address of the Company:	Mr. V. Srinivasan, Devi Industries, No. 2/110, Deva Nagar, Mandayakkannupathy Road, Channarayana, Coimbatore.
Name of the Representative:	Mr. V. Srinivasan
Phone: 9600855211	E-mail: srinivasan.deviindustries@gmail.com

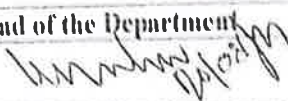

Principal Consultant*

S.No	Name of the Consultant	Designation	Department
1*	Mr. M. V. Vijayakumar	Associate Professor	EEE
2	Dr. T. Suresh Padmanabhan	Professor	EEE

Project Cost: Rs. 2,00,000/-	Service Tax: Nil
Total Project Cost: Two Lakhs	
Duration of Proposed Work: Nine months	
Date of Commencement: 28/08/2020	Date of Completion: 02/05/2021
Scope of Proposed Work: Machines employed for filling of liquids or powders into bottles	

We agree to the above proposal and also to the EGSPC terms & condition of EGSPC Nagal.	
Signature:  (Principal Consultant, EGSPC, Nagal) Name: Mr. M. Vijayakumar Associate Professor / EEE	Signature:  (Authorized signatory of the client) Name: Mr. V. Srinivasan Devi Industries
Date: 20/08/2020	Date: 20/08/2020



Head of the Department Signature:  Date: 20/08/2020	EGSPC Office Use Registered Project Number: EGSPCS/QUOT/EEE/2020/101 Date: 20/08/2020 Signature: 
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Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S.Pillay Engineering College Nagapattinam

**E.G.S. PILLAY CONSULTANCY SERVICES
E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM**

FORM FOR APPROVAL OF CONSULTANCY PROJECT

1. Name of the Department/Office Branch: EEE
2. Title of the Consultancy Project: Semi Automatic Oil Bottle Filling Machine
3. Consultancy Project Category: I B III
4. Duration of the Consultancy Project (Year Month Days): Nine months
5. (A) Date of Commencement: 28/08/2020 (B) Expected Date of Completion: 27/05/2021
6. Detailed Project Report (DPR) attached: YES / NO
7. Client's Name and Address: Mr.V.Srinivasan, Devi Industries, No. 2630, Deva Nagar, Maniyakkurampalayam Road, Ganapathy, Coimbatore.
8. Type of Client (Public Private Sector Govt. Sector Public Sector Foreign Agency / Others (Please Specify))
9. Payment to be received in (Full Part Rs. 100,000/-) Indian Currency / Foreign Currency
10. Whether MoU Agreement Signed with Client (Attach if any): Signed / Not Signed
11. Consent Letter from the Client attached: YES / NO
12. Consent Letter from the Consultant(s) attached: YES / NO
13. Details of Persons involved in the Consultancy Project:

Name of Consultant(s) along with Designation & Department/Office Branch	Brief role	Signature
Mr.M.Vijayakumar Associate Professor <u>EEE</u>	PI	<i>[Signature]</i> 20/08/20
Dr.T.Suresh Pulmanathan Professor and Head <u>EEE</u>	CO-PI	<i>[Signature]</i>

[Signature]
Signature of the Principal Consultant (with date)
Dr. V. MOHAN M.E., Ph.D.
PROFESSOR & HEAD

Forwarded by Head of Department / branch office Head of Department & Professor
E.G.S. Pillay Engineering College - Nagapattinam

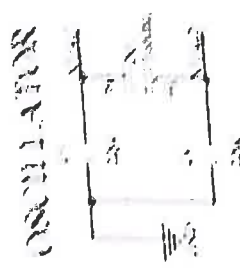
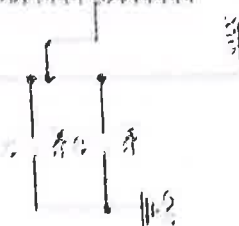
Director/Head (EGSPCS) Office, EGSPEC

Consultancy Project No: EGSPCS APP/EEE/2020/102 Dated: 20/08/2020

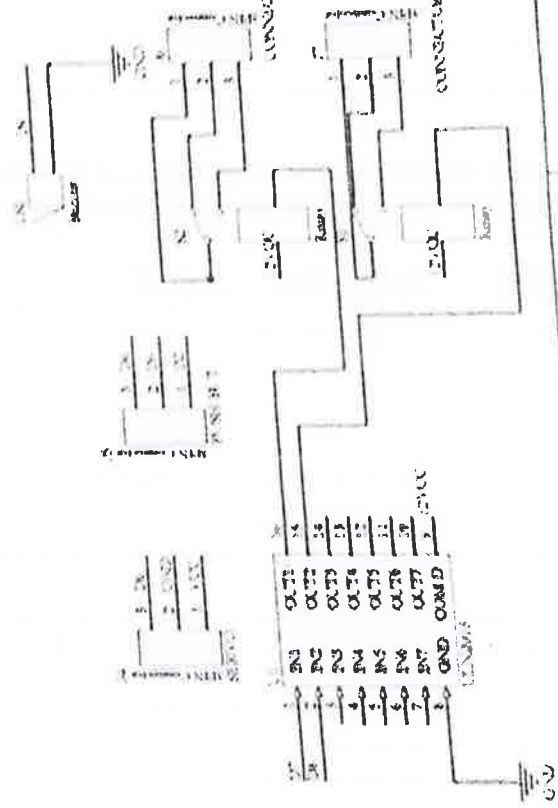
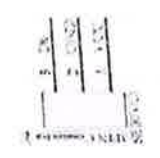
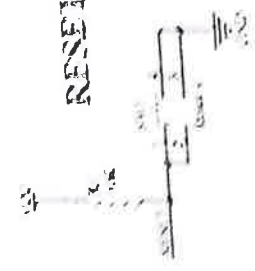
Recommendations of EGSPCS Committee: Approved / Not Approved / Suggestions for improvement
[Signature] Convener
[Signature] Member(s)
[Signature]

Dr. V. MOHAN M.E., Ph.D.
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

RETRACTOR



RESET



Title: [unclear]

Rev	Number	Revision
A		
Date	25-2-22	Sheet 8 of 11
File	Project: [unclear]	Drawn by: [unclear]

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

(Performa for making request for issuance billing for Consultancy and Testing Projects)

Project Title/Description : Semi Automatic Oil Bottle Filling Machine

ATMEGA 328 Controller, 230V/15V, 5A Transformer, IR Proximity Sensor, 12V, 3A – 4A DC Pumping motor, 5A Power Circuit, 4 Tactile Switch board, 20L Oil Capacity Drum and Metal Sheet Cabinet

Name of the Client: Mr.V.Srinivasan

Approval No: EGSPCS/APP/EEE/2020/102 Dated: 20/08/2020

Billing Amount in Rs. 2,00,000 (Two Lakhs only)

Payment through Cash /Cheque/DD No. 1,00,000/- 20/8/2020
1,00,000/- 05/04/2021 Dated

Dated: 05/04/2021

Signature: [Handwritten Signature]
05/04/2021

Name of P.I. : M.Vijayakumar, Asso. Prof / EEE

Department : EEE

Director Consultancy Services/HOD

**Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD**

Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

Ref: Copy of Job Approval Form



IndiGuard Systems Pvt.Ltd.

Weaving dreams into Reality

Training / Design / Consultancy

Nr : 3/365 WEST STREET, KOLLANGARAI, NADUR POST, THANJAVUR - 614904

CIN : U32106TN2020PTC135361

GSTIN : 33AAFC19412A1Z3

Mobile : 94880 12038

Web : www.indiguards.in

Email : indiguards@gmail.com

03.01.2021

Dear Consultant,

Greetings for the day. I am introduced myself I am M.Ramya, Managing Director from IndiGuard Systems Private limited Thanjavur. In our company required to design and develop the Wall mounted touch free Temperature monitor System product for this covid19 pandemic period. Already your institute representative met me and I had explained my requirements. If you arrange the direct meeting we can discuss to further process.

Thanks and Regards

For INDIGUARD SYSTEMS (P) LTD


Director



Mobile : 94880 12038

Web : www.indiguards.in

STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY
KENYA
SCHOOL OF ENGINEERING
NAIROBI

Page 1 of 1

Dear Sir,

Reference is made to your letter of the 15th/12/2011.

The School of Engineering, Nairobi, is pleased to inform you that your application for admission to the B.Tech. programme in Mechanical Engineering for the year 2012/2013 has been approved. You are required to pay the admission fee of KES 100,000 and the tuition fee of KES 100,000 to the School of Engineering, Nairobi, by the 31st/12/2011. The balance of the tuition fee of KES 100,000 is to be paid by the 31st/01/2012. The School of Engineering, Nairobi, will issue you a letter of admission upon receipt of the above-mentioned fees.

The School of Engineering, Nairobi, is pleased to inform you that your application for admission to the B.Tech. programme in Mechanical Engineering for the year 2012/2013 has been approved. You are required to pay the admission fee of KES 100,000 and the tuition fee of KES 100,000 to the School of Engineering, Nairobi, by the 31st/12/2011. The balance of the tuition fee of KES 100,000 is to be paid by the 31st/01/2012. The School of Engineering, Nairobi, will issue you a letter of admission upon receipt of the above-mentioned fees.

Yours faithfully,
[Signature]
[Name]
[Title]

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 12/01/2021

To

Mrs.M.Ramya,

M/S Indiguard Systems (P) Ltd.

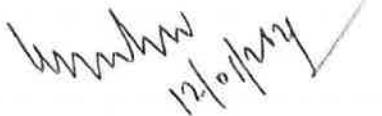
3/168, Kollungaral

Thanjavur.

Dear Mrs.M.Ramya,

Thank you for taking the time to meet with my colleagues from the Department of FEE, EGSPCS and me today regarding your Consumer product development goals. It's been a pleasure talking to you and learning about your Company. With reference to our discussion on 'Touch Free Temperature Monitor System and further deliberations from there on, please find the quotation for the complete product design including the delivery of PCB and manufacturing files. Looking forward to your formal Purchase order.

Thanks & Regards



Dr. V. MOHAN ME PH.D.,
PROFESSOR & HEAD
Department of Electronics & Computer Engg
E.G.S.P. Pillay Engineering College, Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

QUOTATION

REF: EGSPCS/QUOT/EEE/2021/103

Date: 13/01/2021

To

Mrs.M.Ramya,
M/S Indiguard Systems (P) Ltd,
3/365, Kollangarai
Thanjavur.

Sub: Quotation for Touch Free Temperature Monitor System - Reg

Dear Madam,

Warm Greetings from E.G.S.Pillay Consultancy Services.

With reference to our discussion for Design and Development of Touch Free Temperature Monitor System and further deliberations from there on, we are pleased to submit the Quotation for the same. Please feel free to contact us so that we can initiate the proceedings. Looking forward to hear from you.

For E.G.S.Pillay Consultancy Services


HOD/EEE

**DR. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam**

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Commercials for Touch Free Temperature Monitor System

Sl. No.	Particulars	Quantity	Rate	Amount in Rs
1.	Design and Development Charge	1	24,500	24,500
2.	Cabinet Design and Development Charge	1	15,000	15,000
3.	Wall Mounted Touch Free Temperature Monitor System	15	3,700	55,500
			Sub Total	95,000
			Total Payable	95,000

In Words: Ninety Five Thousand only

Account Details:

Ac No: 51090901039993

Name : R AND D CONSULTANCY SERVICES

E.G.S. PILLAY ENGINEERING COLLEGE

Bank : CITY UNION BANK

Branch: NAGORE

List of Deliverables :

1. Completed and tested hardware prototype as per customer specifications.
2. Fabrication drawings.
3. Complete Design Schematic.
4. PCB fabrication files and Gerber files.
5. Firmware source files and Hex files.

Product Ownership :

The IP rights of the designed product belong to the customer. The E.G.S.Pillay Consultancy Services shall not claim any ownership of the developed product.

**E.C.S. PILLAY CONSULTANCY SERVICES
E.C.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM**

Terms and conditions :

- ❖ The above mentioned charges are inclusive of applicable taxes and shipment within India
- ❖ Payment Terms: 30% in advance along with purchase order. The balance 70% is to be paid upon completion
- ❖ Third party testing is scope of the customer
- ❖ Necessary compliance certification (such as RoHS, CE, FCC, etc.) for specific countries will be done by E.C.S.P. & upon request and the actual costs for such data will be borne by the customer
- ❖ Offer is valid for one week from the date of submission of the proposal
- ❖ All orders and payments should be in favor of E.C.S. Pillay Consultancy Services
- ❖ Payments should be in the form of Wire Transfer / DD / Cash

Delivery Time :

The hardware would be delivered to the extent of Agreement from the date of purchase order and the receipt of 30% Advance

Contact :

E.C.S. Pillay Consultancy Services
E.C.S. Pillay Engineering College (Autonomous)
Nagapattinam
Nagapattinam, Tamilnadu
Contact Number: 944211181

● **Case Study**

Introduction

Background

The first part of the case study is a description of the company and its products. The second part is a description of the market and the competition. The third part is a description of the company's strategy and its implementation. The fourth part is a description of the company's financial performance and its future prospects.

Analysis

Conclusion

CONSULTANCY PROJECT
ON
KRISHNA SUPERMARKET
INVENTORY MANAGEMENT SYSTEM

WORK DONE BY

Mrs.C.MALLIKA

ASSOCIATE PROFESSOR

Mr.SELVAGANAPATHY

ASSISTANT PROFESSOR

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

E.G.S PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002,

TAMIL NADU

<http://www.egspec.org>

Ph: 04365 - 251112

CUSTOMER ADDRESS

**Sri Krishna Supermarket
Asn Colony, Melakottaivasal,
NagapattinamCollectorate,
Nagapattinam - 611003**

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Consultancy Work

“INVENTORY MANAGEMENT SYSTEM”

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E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM - 611002
Accredited by NAAC with 'A' Grade
(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref. No: EGSPEC/CW/MCA/IMS/2020/01

10/07/2020

To

The Manager ,
SriKrishna Supermarket,
Asn Colony, Melakottaivasal,
Nagapattinam Collectorate,
Nagapattinam - 611003.

Sir

Sub: Consultancy Work - Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

We are happy to inform you that we are doing consultancy work for Inventory Management System. This project focuses on management of maintaining the stock details, maintaining the records of the sales done for a particular month/year. . Herewith we send institution and department profile for your reference.

Hence we request you give a positive response from your side.

Thanking You,

Yours Sincerely


(Mrs. C.MALLIKA)

Contact Details

Mrs C.MALLIKA,
Associate Professor,
Department of ,MCA,
E. G. S. Pillay Engineering College (Autonomous), Nagapattinam.

1. INSTITUTION PROFILE

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2nd January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19th year of excellent service in the year of 2014. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,.

The college offers 6 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

UG Courses:

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology

PG Courses:

Master of Business Administration
Master of Computer Applications
M.E – Manufacturing Engineering
M.E – Computer Science and Engineering
M.E – Communication Systems
M.E – Power Electronics and Drives

Vision of the Institute

Envisioned to transform our institution into a "Global Centre of Academic Excellence"

Mission of the Institute

- i. To provide world class education to the students and to bring out their inherent talents
- ii. To establish state-of- the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes
- iii. To recruit competent faculty and staff and to provide opportunity to upgrade their
- iv. knowledge and skills
- v. To have regular interaction with the Industries in the area of R&D and offer consultancy, training and testing services
- vi. To establish centers of excellence in the emerging areas of research
- vii. To offer continuing education and non-formal vocational education programmes that are beneficial to the society

2. DEPARTMENT PROFILE

The department of computer applications focuses on making industry ready IT professionals by imparting quality computer education along with excellent interpersonal skills. It offers 3 years Full time MCA course to the students. Started in the year of 2001, the course was approved by Bharathidasan University, Trichirappalli. In 2003, Anna University, Chennai recognized and approved the course. The current intake of students is 60 per academic year.

DEPARTMENT VISION

To produce software professionals with Academic Excellence in Computer Applications

DEPARTMENT MISSION

- To make software professionals and entrepreneurs by imparting quality computer education.
- To promote inter-disciplinary research among the faculty and the students to create state of art research facilities.
- To prepare the students to be professionally competent to face the challenges in the industry.

To promote quality and ethics among the students.

Programme Educational Objectives (PEO)

The PEO of MCA programme are as follows.

PEO1: To employ solid foundation in mathematical and computing fundamentals and techniques to develop software solutions.

PEO2: To apply good computing breadth so as to comprehend, analyze, design and create computing solutions for the real-life problems and entrepreneurial skills with arich set of communication, teamwork and leadership skills to excel in their profession.

PEO3: To show continuous improvement in their professional career through life-long learning, understand the human values and ethics.

IV Program Outcomes (PO)

Graduates will be able to

PO1: Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

PO2: Identify, formulate, research literature, and solve *complex* computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

PO3: Design and evaluate solutions for *complex* computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to *complex* computing activities, with an understanding of the limitations.

PO6: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.

PO7: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

PO8: Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO9: Communicate effectively with the computing community, and with society at large, about *complex* computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PO10: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

PO11: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

PO12: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

V. Program Specific Outcomes (PSO)

Graduates will be able to

PSO 1: Apply software engineering principles in the design and development of web and mobile applications

PSO 2: Manage and analyze huge volume of data in real world problems

Features of the Department

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields
- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programmer like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department library has an extensive collection of academic books in the areas of latest technologies
- The department has stable, highly qualified and experienced staff members in the staff student ratio of 1:15

Laboratory facilities

Each laboratory is fully equipped to meet the requirement of Anna University Syllabi. The students can train themselves in the Laboratories with the guidance of the faculty during and after the college hours. The laboratory facilities are constantly upgraded to take care of the technological Changes in the respective disciplines.

Department Servers and Software Details

- Microsoft Windows Server 2003

- Linux Fedora v19
- Oracle 11i Data base ServerWorkstations
- 471 Core i3 and Pentium based systems with multimedia facilities
- Capable of getting connected to all server and every other systems over TCP/IP backbone
- All systems having access with Internet/Intranet
- Software
- Microsoft Windows Server 2003
- CentOS 5.3 (For C & C++ programming and Script languages)
- Free BSD
- Oracle 11i
- IBM DB2
- PowerBuilder
- Sybase
- Microsoft Office 2007
- Microsoft Visual Studio 6.0
- Microsoft Visual Studio 2010
- Mathematica
- IDL (Image Processing Tools)
- MathCAD
- IBM Rational Suite and IBM Rational Architect
- Macromedia Flash and Dreamweaver
- Front Page Express
- Novell Netware
- Adobe Photoshop
- Network Simulator – 2 (Free Ware for Both Windows and Linux)
- .netbeans Developer
- Sun JDK, J2EE and J2ME
- Internet Facilities
- 16 Mbps leased line from Reliance

Priority Research Areas

1. Cloud Computing
2. Data Analysis
3. Data Mining and Warehousing
4. Network Security
5. Image Processing
6. Mobile Application Development
7. Ubiquitous Computing
8. Sensor Computing
9. Natural Language Processing
10. Green Computing



Sri Krishna Supermarket
 Asn Colony, Melakottaivasal,
 NagapattinamCollectorate,
 Nagapattinam - 611003
 Ph: 9944005755

16/07/2020

To

Mrs. C.Mallika
 Associate Professor
 Department of Master of Computer Applications
 EGS Pillay Engineering College
 Nagapattinam

Sir

Sub: Consultancy Work – Reg

Thank you for your interest. This project ideais very interesting and we can manage our inventory data easily.

We accept your request.Kindly send your project proposal.

Thanking you

Kind regards



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM - 611002
Accredited by NAAC with 'A' Grade
(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref. No: EGSPEC/CW/MCA/IMS/2020/02

22/07/2020

To

The Manager,
Krishna Supermarket,
Asn Colony, Melakottaivasal,
Nagapattinam Collectorate,
Nagapattinam - 611003

Sir

Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

With reference from your acceptance letter dated on 16/07/2020. We are happy to your positive response. Herewith we send proposal for your reference. The proposal includes objective of the work, budget details and Expected outcome details along with specimen copy of audit sheet.

We awaiting for positive reply from your good office and fix one date for discussing consultancy work.

Thanking You,

Yours Sincerely


(Mrs.C.MALLIKA)

Contact Details



Mrs. C.Mallika,
Associate Professor,
Department of Master of Computer Applications,
EGS Pillay Engineering College,
mallika@egspec.org,
Nagapattinam.

1. PROJECT PROPOSAL

01	Title of the Project	:	Krishna Supermarket -Inventory Management System
02	Type of the Project	:	Consultancy Work
03	Name & Designation of the Project Coordinators	:	Mrs. C.Mallika MCA ,MPhil (Ph.d) Associate Professor/ MCA Mr.S.Selvaganapathy MCA , (Ph.d) Assistant Professor/ MCA
04	Postal Address of the Principal Investigator	:	Old Nagore Road, Thethi Village, Nagore – Post, Nagapattinam – 611 002
05	Contact Phone numbers of the Project Coordinators	:	Mrs. C.Mallika MCA ,MPhil (Ph.d) Project Coordinator Contact No. 8667408529 Email:mallika@egspec.org
06	Name of the Institution / Organization in which the project will be carried out	:	E.G.S Pillay Engineering College, Nagapattinam
07	Customer Details	:	The Manager Krishna Supermarket Asn Colony, Melakottaivasal, NagapattinamCollectorate, Nagapattinam - 611003
08	Customer Contact Details	:	Mr. Krishna 9944005755 srikrishna@gmail.com
09	Duration of the Project	:	August 2020 – July 2021
10	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	:	Enclosed separately – Annexure 1
11	An abstract, not exceeding one page describing the background, objectives methodology & year wise budget	:	Enclosed separately – Annexure 2
12	Project Work Plan	:	Enclosed separately – Annexure 3
13	Facilities available at the Institution / organization to carry out the project	:	Open Source Lab, Cloud Campus, Android Apps development Centre...
14	Expected Outcome	:	Enclosed separately – Annexure 4


Signature of the

Head of the Department with Seal
Dr.J. VANITHA
Head of the Department
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam - 611 002.


Signature of Project Coordinator(s)

Signature of the

Head of the with Seal Institution
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

Annexure - 1**DETAILS OF BUDGET**

S.No	Description	Amount (inRs.)
A	Salary for Project Coordinators (12 months*Rs.2000/pm)	36,000
	Salary for Technical Assistant (12 months * Rs.800/pm)	9,600
Total		45,600
B	Preprocessing and Component Preparation	5,000
Total		5,000
C	Datacollection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	10,000
Total		10,000
D	Travel	3,000
E	Total of A+B+C+D	63,600
F	Institutional overhead charges	7,000
G	Total Cost of Project	70,600

Annexure - 2

ABSTRACT

This project is aimed at developing an Inventory Management System (IMS) for a departmental store. This system can be used to store the details of the inventory, update the inventory based on the sale details, produce receipts for sales, generate sales and inventory reports periodically etc. This is one integrated system that contains both the user component (used by salespersons, sales managers inventory managers) and the admin component (used by the administrators for performing admin level functions such as adding new items to the inventory, changing the price of an item).This system runs on multiple terminals, offers a GUI interface to its users and connects to a common database. This project is aimed at developing an online Sales and Inventory Management System (SIMS) for a departmental store. **Inventory Management System** This system can be used to store the details of the inventory, update the inventory based on the sale details, produce receipts for sales, generate sales and inventory reports periodically etc. This is one integrated system that contains both the user component.

Annexure - 3

Work Plan

Phase	Cycle	Primary Objective	Scheduled start or milestone	Duration Estimate (calendar days)
Inception / Requirements Analysis	C1	<ul style="list-style-type: none"> ✓ Analyzing Requirements ✓ Collecting Project Requirements 	August – Sep 2020	38 days
Elaboration	C2	<ul style="list-style-type: none"> ✓ Identifying Technical Assistant ✓ Installation and Setup 	October – November 2020	32 days
Designing	C3	<ul style="list-style-type: none"> ✓ Designing Prototype Model ✓ Project Review Status Preparation Submission ✓ Project Modules Preparation 	December – January 2021	35 days
Implementation	C4	<ul style="list-style-type: none"> ✓ Start to develop Coding each Modules ✓ Preparing Workspace model and verify with abstract. ✓ Identify the Risk and Measure the values of on it. 	February – March 2021	45 days
Construction	C5	<ul style="list-style-type: none"> ✓ Complete the Project and meet with Abstract ✓ Objectives and Outcome mapped with the Module ✓ Project Final Phase meeting 	April – May 2021	45 days
Transitions /End	C6	<ul style="list-style-type: none"> ✓ Preparing Documentation Part ✓ Final Project Presentation 	June – July 2021	40 days

Annexure - 4

Expected Outcomes

- To study the functions of Supermarket management system.
- To explore the challenges being faced by the manual system.
- To make a software fast in processing, with good user interface.
- To ensure accurate statistics of product item.
- For Easy record of goods in store and proper identification.
- Minimize manual data entry.
- Minimum time needed for the various processing
- Greater efficiency
- Better Service
- Minimum time required
- It would also help in providing adequate data to the corporation, particularly with regard to inventory details and important points

COORDINATOR DETAILS

S.No	Name of the Coordinator	Designation	Contact No.	EmailID
Faculty Members				
01	Mrs. C.MALLIKA	Assoc., Prof/MCA	9787612767	mallika@egspec.org
02	Mr. S.Selvaganapathy	AP/MCA	9444372345	selvaganapathy@gamil.com
Students Members				
01	E20CAR011-GAYATHRI	Student		gayathri@gamil.com



Sri Krishna Supermarket
 Asn Colony, Melakottaivasal,
 NagapattinamCollectorate,
 Nagapattinam - 611003
 Ph: 9944005755

20/07/2021

To

Mrs.C.Mallika
 Associate Professor
 Department of MCA
 EGS Pillay Engineering College
 Nagapattinam

Sir

Sub: Consultancy Work – Reg

We discussed with our industry people and accept your consultancy work of inventory management system. We planned to come to your campus on 20/07/2017 for discussing the consultancy work. I hope this work very important for us.

Thanking you

Kind regards

MINUTES OF MEETING

**EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

Minutes of Meeting

Consultancy Work	
Title	Inventory Management System
Ref.No	EGSPEC/CW/MCA/IMS/2020/01
Meeting No.	01
Date	20/07/2020
No. of Attendees	07
Venue	Department of MCA –Faculty Room

Members Present

S.No	Name of the Members	Designation/Dept	Signature
01	Mrs. C.MALLIKA	Assoc., Prof/MCA	
02	Mr. S.Selvaganapathy	AP/MCA	
03	Krishna	Proprietor /SuperMarket	
01	E20CAR011-GAYATHRI	Student	

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Mrs. C.MALLIKA Assoc.Prof/MCA delivered welcome address
02	Mr. S.Selvaganapathy/MCA discussed project details.
03	Discussed with project details like objective, duration, project status monitoring....
04	Explained various levels in the sense of hardware and software profile and outcomes.
05	Signed Consultancy Assignment Proposal and Agreement form

Minuted by: Mrs.C.MALLIKA
Copy to: Department file and Company


HOD/MCA

MINUTES OF MEETING

**EGS Pillay Engineering College, Nagapattinam
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

Minutes of Meeting

Consultancy Work	
Title	Inventory Management System
Ref.No	EGSPEC/CW/MCA/IMS/2020/01
Meeting No.	02
Date	14/09/2020
No. of Attendees	07
Venue	Department of MCA –Faculty Room

Members Present

S.No	Name of the Members	Designation/Dept	Signature
01	Mrs. C.MALLIKA,	Assoc., Prof/MCA	
02	Mr.S.Selvaganapathy	AP/MCA	
03	Krishna	Proprietor /SuperMarket	
04	Mr. P. ThamaraiKannan	System Admin(Technical Assistant)	
01	E20CAR011-GAYATHRI	Student	

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Mrs. C.MALLIKA,, Assoc.,Prof/MCA welcoming the company people
02	Mr.S.Selvaganapathy, AP/MCA discussed project details with company people
03	Minutes of last meeting reviewed
04	Arranged lab for testing components with Tech Asst.
05	Discussed project planning status requirements, designing prototype, completed components and documentation part.


HOD/MCA

MINUTES OF MEETING

**EGS Pillay Engineering College, Nagapattinam
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

Progress Analysis Meeting

Consultancy Work – Progress Analysis	
Title	Inventory Management System
Ref.No	EGSPEC/CW/MCA/IMS/2020/01
Meeting No.	03
Date	07/02/2021
No. of Attendees	07
Venue	Department of MCA –Faculty Room

Members Present

S.No	Name of the Members	Designation/Dept	Signature
01	Mrs. C.MALLIKA,	Assocprofe/MCA	
02	Mr.S.Selvaganapthy	AP/MCA	
03	Krishna		
04	Mr. P. ThamaraiKannan	System Admin(Technical Assistant)	
01	E20CAR011-GAYATHRI	Student	

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Discussed with major and minor problem displayed.
02	Recommendation and Action taken points are discussed.
03	Discussed with details of further work


HOD/MCA

MINUTES OF MEETING

**EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

Minutes of Meeting

Consultancy Work – Progress Analysis	
Title	Inventory Management System
Ref.No	EGSPEC/CW/MCA/2020/01
Meeting No.	04
Date	16/05/2021
No. of Attendees	08
Venue	Department of MCA –Faculty Room

Members Present

S.No	Name of the Members	Designation/Dept	Signature
01	Mrs. C.MALLIKA,	Assoc.Prof/MCA	
02	Mr.S.Selvaganapthy	Asst.Prof/MCA	
03	Krishna	Proprietor/superMarket	
04	Mr. P. Thamaraikannan	System Admin(Technical Assistant)	
01	E20CAR011-GAYATHRI	Student	

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Discussed with major and minor problem displayed.
02	Recommendation and Action taken points are discussed.
03	Discussed with details of further work


HOD/MCA



Sri Krishna Supermarket
 Asn Colony, Melakottaivasal,
 NagapattinamCollectorate,
 Nagapattinam - 611003
 Ph: 9944005755

04/07/2021

To

Mrs. C.Mallika
 Associate Professor
 Department of MCA
 EGS Pillay Engineering College
 Nagapattinam

Sir

Sub: Consultancy Work – Reg

We are happy to inform you that we got very good result from your consultancy work. After implementing this system, medical lab data management, report generation and invoice generation are made easy for us. The coordinators are appreciated for completing this wonderful work our concern. Herewith I enclosed a copy of cheque for payment detailsfor your reference. I hope this work is nice experience for us and in future you may increase number iteration as more as possible.

Thanking you

Kind regards



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM – 611002
Accredited by NAAC with 'A' Grade
(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref. No: EGSPEC/CW/MCA/IMS/2020/03

11/07/2021

To

The Manager,
Krishna Supermarket,
Asn Colony, Melakottaivasal,
NagapattinamCollectorate,
Nagapattinam - 611003

Sir

Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

We are very much pleased to accept your positive response and work process appreciation and we take your consideration in our future reference. Also your cheque. Here with we have attached the invoice detail for your reference.

Thanking You

Yours Sincerely


(Mrs.C.MALLIKA)

Contact Details

Mrs. C.Mallika
Associate Professor
Department of MCA
EGS Pillay Engineering College
Nagapattinam



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM – 611002
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 (An ISO 9001:2008 Certified Institution)
 (Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF MCA

Ref. No: EGSPEC/CW/CSE/2020/03

11/07/2021

INVOICE

S.No	Salaries & Wages	Amount (inRs.)
01	Coordinators and Technical Staff Salary	45,600
02	Preprocessing and Component Preparation	5,000
03	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	10,000
04	Travel	3000
05	Institutional overhead charge	7000
06	Total Cost of Project	70,600

Yours Sincerely


 (Mrs. C.MALLIKA)

Contact Details

Mrs. C.Mallika,
 Associate Professor,
 Department of MCA,
 EGS Pillay Engineering College,
 Nagapattinam.



Sri Krishna Supermarket
 Asn Colony, Melakottaivasal,
 NagapattinamCollectorate,
 Nagapattinam - 611003
 Ph: 9944005755

25/07/2020

To

Mrs. C.MALLIKA,
 Associate Professor,
 Department Of MCA,
 EGS Pillay Engineering College,
 Nagapattinam.

Sir

Sub: Consultancy Work - Reg

We are happy to inform you that consultancy work Inventory management system successfully running and it improves the management, reporting of medical lab data. It was very good experience for us and got good product from your esteemed institution. Also the coordinators are worked very well.

Thanking you

Kind regards



Branch: DHANE
DHANE, Maharashtra 400070
IFS Code: INDB007125

2 5 0 7 2 0 2 0
D D M M Y Y Y Y

The Principal EGS Pellayeg
Seventy Thousand Six hundred Only/

अदा करें ₹ 70,600.

602911872

FOR

CBS Code: 01591

Ksin Shu
AUTHORISED SIGNATORY/ES
Please sign above

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Vr. No.:

VOUCHER

Date: 28/2/20

Dept: _____
Lab/W/S: _____

Particulars	Rs.	P.
Paid to Thiru Mrs. C. Mallesu Ma Selvasubrahmany		
Towards Consulting Project [OS/Slma		
..... Super market servicerary Management Akshat	70,600	1
A sum of Rupees Seventy Thousand Six hundred only		
Received payment	70,600	1

Signature of Payee

Accounts Supdt.

Secretary

Principal

E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS) NAGAPATTINAM

Consultancy Project Agreement	
Project Title:	Touch Free Temperature Monitor System
Name and Address of the Company:	Mrs.M.Ramya, M/S Indiguard Systems (P) Ltd, 3/365, Kollangarai Thanjavur.
Name of the Representative:	Mrs.M.Ramya
Phone: 8489667053	E-mail: ramya.indi@gmail.com

Principal Consultant*

S.No	Name of the Consultant	Designation	Department
1*	Mr.R.Anandaraj	Associate Professor	EEE
2	Mr.M.Vijayakumar	Associate Professor	EEE

Project Cost: Rs. 95,000	Service Tax: Nil
Total Project Cost: Rs. 95,000	
Duration of Proposed Work: Three Month	
Date of Commencement: 25/01/2021	Date of Completion: 23/04/2021
Scope of Proposed Work: use of non-contact temperature assessment devices during the COVID-19 pandemic	

We agree to the above proposal and also to the EGSPC terms & condition of EGSPEC Nagai.	
Signature: <i>R.A.</i> (Principal Consultant, EGSPEC, Nagai)	Signature: <i>Mrs.M.Ramya</i> (Authorized signatory of the client)
Name: Mr. R.Anandaraj Associate Professor / EEE	Name: Mrs.M.Ramya, M/S Indiguard Systems (P) Ltd
Date: 21/01/2021	Date: 21/01/2021



Head of the Department	EGSPC Office Use	Registered
Signature: <i>Dr. V Mohan</i>	Project Number: EGSPCS/QUOT/EEE/2021/103	
Date: 21/01/2021	Date: 21/01/2021	Signature: <i>[Signature]</i>

Dr. V MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Mechanical & Electronics Engg.
Nagapattinam

**E.G.S. PILLAY CONSULTANCY SERVICES
E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM
FORM FOR APPROVAL OF CONSULTANCY PROJECT**

1. Name of the Department/Office/Branch: EEE
2. Title of the Consultancy Project: Touch Free Temperature Monitor System
3. Consultancy Project Category: I/II/III
4. Duration of the Consultancy Project (Year/Month/Days): Three months
5. (i) Date of Commencement 25/01/2021(ii) Expected Date of Completion 25/04/2021
6. Detailed Project Report (DPR) attached: YES / NO
7. Client's Name and Address : Mrs.M.Ramya, M/S Indiguard Systems (P) Ltd, 3/365, Kollangarai, Thanjavur.
8. Type of Client (Tick): **Private Sector**/ Govt. Sector/ Public Sector /Foreign Agency / Others (Please Specify)
9. Payment to be received in : Full / Part ;Rs.47,500/-**Indian Currency** /Foreign Currency
10. Whether MoU/ Agreement Signed with Client (Attach, if any): **Signed** / Not Signed
11. Consent Letter from the Client attached: YES / NO
12. Consent Letter from the Consultant(s) attached: YES / NO
13. Details of Persons involved in the Consultancy Project:

Name of Consultant(s) along with Designation & Department/Office/Branch	Brief role	Signature
Mr.R.Anandaraj Associate Professor / EEE	PI	R.A - by
Mr.M.Vijayakumar Associate Professor / EEE	CO - PI	Vijayakumar

Signature of the Principal Consultant (with date)

Dr. V. MOHAN
PROFESSOR & HEAD
Department of Electrical & Electronics Engg

Forwarded by Head of Department/ branch/office **E.G.S. Pillay Engineering College Nagapattinam**

Director (EGSPCS) Office, EGSPEC

Consultancy Project No.:EGSPCS/APP/EEE/2021/103

Dated: 21/01/2021

Recommendations of EGSPCS Committee: Approved / Not Approved / Suggestions for improvement

Convener

Member(s)

Dr. V. MOHAN M.E.,Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
College - Nagapattinam

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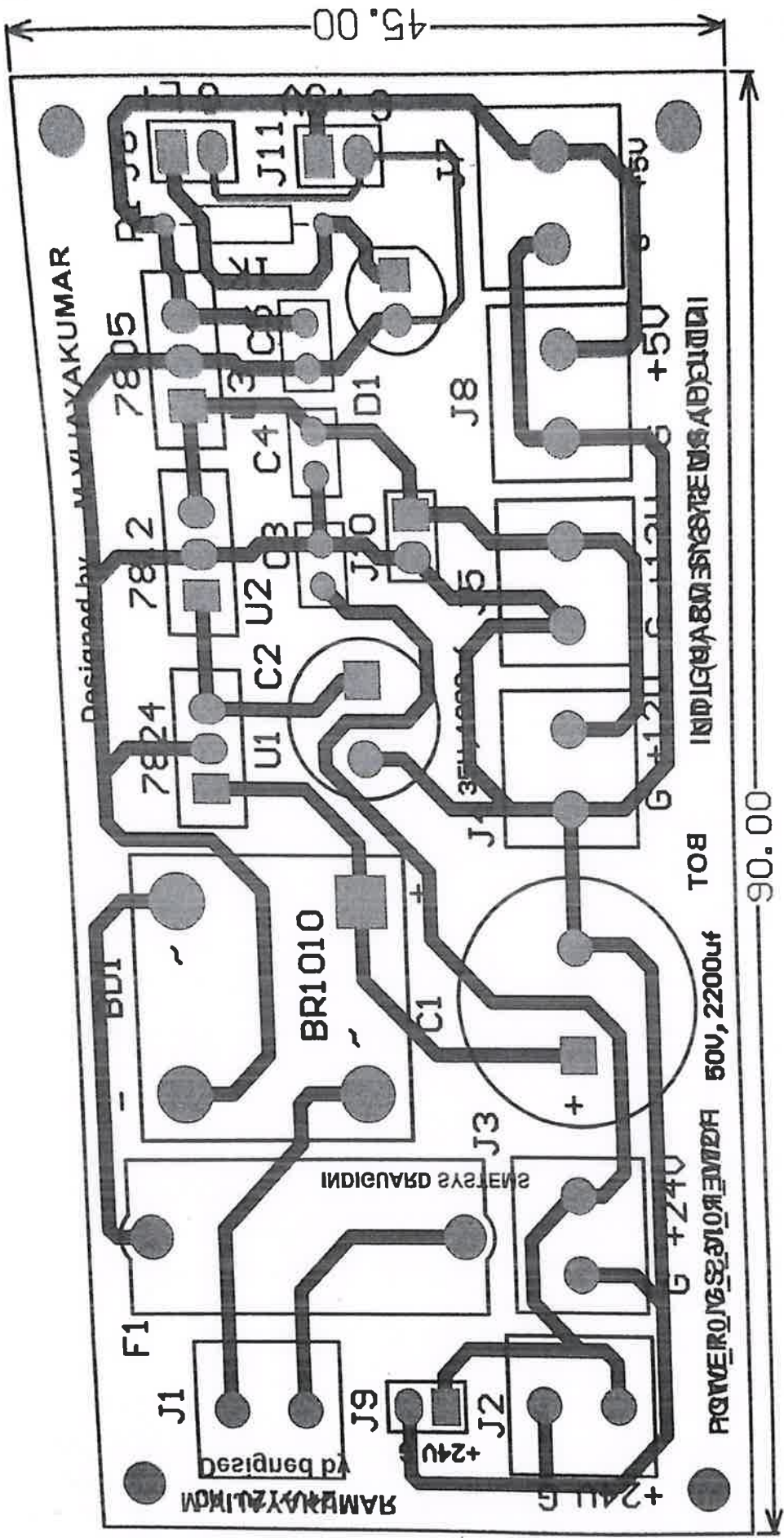
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Designed by M. VIJAYAKUMAR

RAMESH KUMAR

INDIGUARD SYSTEMS

POWER REGULATOR 50V, 2200uf

90.00

45.00

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

(Performa for making request for issuance billing for Consultancy and Testing Projects)

Project Title/Description : Touch Free Temperature Monitor System

MLX 90614 ESF Non contact temperature sensor, 16x2 LCD display, Ultrasonic sensor,
ATMEGA 328 Controller, Power Circuit and Cabinet Design

Name of the Client: Mrs.M.Ramya

Approval No: EGSPCS/APP/EEE/2021/103 Dated: 21/01/2021

Billing Amount in Rs. 95,000

Payment through Cash /Cheque/DD No. 993938 21/2/21
993940 Dated 30/3/21

Dated: 30/03/2021

Signature R. Anandaraj 30/3/21

Name of P.I. : R.Anandaraj, Asso. Prof / EEE

Department : EEE

V. Mohan 30/3/21
Director Consultancy Services/HOD

Ref: Copy of Job Approval Form

Dr. V. MOHAN M.E.,Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg
E.G.S. Pillay Engineering College - Nagapattinam

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DUVUSUIB P.W.D KARAİKAL**

No:-1787 /PW/SDR/KKL/2019-20

Dt.12.03.2020

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

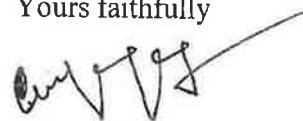
Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Concrete cube for Deck Slab Requested - Regarding

I am sending herewith the following samples of Concrete cube of Deck Slab the above said work for conducting necessary mandatory tests. In this connection it is requested that necessary test report of the same may be send to this office for taking further action please.

Grade of Concrete	:	RCC M30
Part of Structure	:	Deck Slab
Casing Date	:	13.02.2020
Cube test for	:	test for 28 days curing
Testing date	:	12.03.2020

Yours faithfully



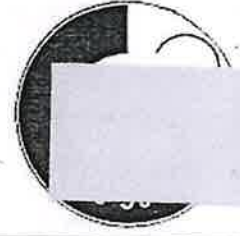
**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAİKAL**

Encl: 1 set of 3 cubes

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.



E.G.S. PILLAY ENGINEERING COLLEGE
 NAGAPATTINAM - 611 002.
 (An ISO 9001:2015 Certified Institution)
 (Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
 (Affiliated to Anna University Chennai)



Consultancy services
 (Department of Civil Engineering)

No. EGSPEC/MTR/4099/2020

Date: 12.03.2020

COMPRESSIVE STRENGTH OF CONCRETE CUBES [M30 RCC]

[As per IS:516]

By: Assistant Engineer (Roads)
 V.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1787/PW/SDNH/KKL-2019-20 Dated: 12.03.2020

Requested on : 12.03.2020

Grade of Concrete : M30 RCC

Part of Structure : Deck Slab

Date of Cubes casting: 13.02.2020

Date of Testing (28 days): 12.03.2020

Characteristic Compressive Strength: 30 N/mm²

Size of Cube: 15cm x 15cm x 15cm

Volume of cube: 3375cc

Area of Cube: 225Cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	Deck Slab/01	8627	2.556	28	880	39.11	37.33	
2	Deck Slab/02	8571	2.540	28	830	36.89		
3	Deck Slab/03	8509	2.521	28	810	36.00		

Average compressive Strength: 37.33 N/mm² [Limit: ≥ 30N/mm²]

28 days Cubes Compressive Strength test results are within the specification limits.

Supervised by
 A. J. M.
 12.03.2020



Head of the Dept.
 Dr. R. SIVAKUMAR, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagapattinam.

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DIVUSUIB P.W.D KARAIKAL**

No:-1770 /PW/SDR/KKL/2019-20

Dt.06.01.2020

**EGS PILLAY ENGINEERING WORKS
OLD NAGORE ROAD - NAGAPATTINAM TAMILNADU 611002**

RECEIPT

Bill No : 1020
Name : P.W.D /Karaikal
Roll No :
YEAR :
Date : 12-March-2020
Course :
Mode of Payment : Cash

Fees Type	Amount
TESTING BILL	1500

Rupees : one Thousand five hundred Only



AMOUNT WILL NOT BE REFUNDED

[Signature]
Cashier

[Signature]
Accountant

[Signature]
Payee's Signature and Name

Arasalar at Athipadugai village
raikal – Testing of Steel
- Regarding

th the samples of steel
andatory tests. In this
ated as early as possible please.

faithfully

[Signature]

**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAIKAL**

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.

Three steel samples for each size

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DIVISION P.W.D KARAIKAL**

No:-1770 /PW/SDR/KKL/2019-20

Dt.06.01.2020

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Steel & Aggregate samples (Coarse and Fine Aggregate) Requested - Regarding

With reference to the above subject, I am sending herewith the samples of steel Aggregate samples (Coarse and Fine Aggregate) for conducting all mandatory tests. In this connection it is requested that necessary test report may be communicated as early as possible please.

Coarse Aggregate (20mm+12.5mm+M-Sand)

Sieve Analysis tests (Individual / Combined), AIV
Source of Material: Karur Blue Metal.

Steel:

Size of Steel: 8mm, 10mm, 12mm, 16mm, 25mm & 32mm

Brand: JSW- Fe 500D

Test to be conducted

1. Tensile strength
2. Elongation test
3. Weight per metre
4. Bend and re bend test
5. Proof stress test
6. Yield strength

Yours faithfully

**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAIKAL**

Encl: Aggregate samples & steel 3 Samples for each size

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.



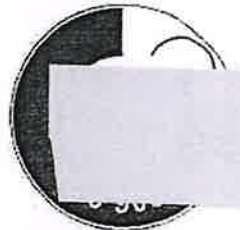
E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2015 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

No. EGSPEC/MTR/4071/2020

Date: 11.01.2020

STEEL TEST RESULTS

EGS PILLAY ENGINEERING COLLEGE
1010 NAGORE ROAD - NAGAPATTINAM TAMILNADU 611002

RECEIPT

Bill No : 1010
Name : P.W.D / Karaikal
Roll No :
YEAR :
Date : 11-Jan-2020
Course :
Mode of Payment : Cash

Fees Type	Amount
TESTING BILL	8000
Rupees : Eight Thousand Only	

AMOUNT WILL NOT BE REFUNDED



Payee's Signature and Name
[Signature]

[Signature]
Cashier

Inspector at Athipadugai
cluster,

tested: 07.01.2020

End	Rebend
actory	Satisfactory
ctory	Satisfactory

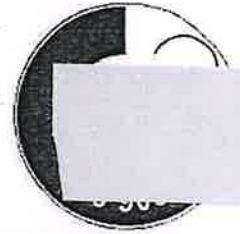
on limits...

[Signature]
11/1/20
the Dept.
KUMAR, M.E., Pn.D.
essor & Head
of Civil Engineering:
Engineering College,
Nagapattinam.

Conti.,



E.G.S. PILLAY ENGINEERING COLLEGE
 NAGAPATTINAM - 611 002.
 (An ISO 9001:2015 Certified Institution)
 (Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
 (Affiliated to Anna University Chennai)



Consultancy services
 (Department of Civil Engineering)

No. EGSPEC/MTR/4071/2020

Date: 11.01.2020

STEEL TEST RESULTS
 (IS: 1786: 2008)

By: Assistant Engineer (Roads)
 M.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1770/PW/SDR/KKL-2019-20 Dated: 06.01.2020

Kind of Steel : JSW - Neosteel **Grade of Steel: Fe 500D**

Requested on : 06.01.2020 **Date of tested: 07.01.2020**

Dia. / Brand of Steel (mm)	Weight per Meter (Kg)	0.2% Proof - Stress (N/mm ²)	Ultimate Tensile Strength (N/mm ²)	Elongation (%)	Bend	Rebend
8mm TMT (JSW - Neosteel- Fe 500D)	0.3877	540	622	19.7	-	-
	0.3902	-	-	-	Satisfactory	-
	0.3887	-	-	-	-	Satisfactory
10mm TMT (JSW - Neosteel- Fe 500D)	0.6170	553	619	20.1	-	-
	0.6187	-	-	-	Satisfactory	-
	0.6193	-	-	-	-	Satisfactory

The Physical and Mechanical properties of steel test results are within the specification limits...

Supervised by
A. Am 11.01.2020

Note:

- Any correction without attestation will not be valid in this certificate.
- Materials were supplied by the job requester.
- The results relate only to the samples tested.



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagapattinam.

Conti.,



E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2015 Certified Institution)

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(Affiliated to Anna University Chennai)



Dia. / Brand of Steel (mm)	Weight per Meter (Kg)	0.2% Proof - Stress (N/mm ²)	Ultimate Tensile Strength (N/mm ²)	Elongation (%)	Bend	Rebend
12mm TMT (JSW - Neosteel-Fe 500D)	0.8995	547	632	22.7	-	-
	0.8911	-	-	-	Satisfactory	-
	0.8925	-	-	-	-	Satisfactory
16mm TMT (JSW - Neosteel-Fe 500D)	1.5847	-	-	-	Satisfactory	-
	1.5898	553	646	22.9	-	-
	1.5826	-	-	-	-	Satisfactory
25mm TMT (JSW - Neosteel-Fe 500D)	3.8592	540	602	20.5	-	-
	3.8758	-	-	-	Satisfactory	-
	3.8769	-	-	-	-	Satisfactory
32mm TMT (JSW - Neosteel-Fe 500D)	6.3022	547	629	20.7	-	-
	6.3050	-	-	-	Satisfactory	-
	6.2974	-	-	-	-	Satisfactory

The Physical and Mechanical properties of steel test results are within the specification limits...

Supervised by
A. M. 11-01-2020

Note:

- Any correction without attestation will be void in this certificate.
- Materials were supplied by the job requester.
- The results relate only to the samples tested.



[Signature]
Head of the Dept.
 Dr. R. SIVARUNJAN, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering
 E.G.S. Pillay Engineering College,
 Nagapattinam.

Conti.,



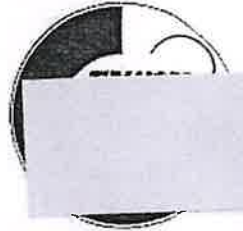
E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2015 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



Specification Limits (Physical & Mechanical properties):

Grade of Steel: Fe 500D

dia. of Steel	Mass per Meter (Kg.)	Tolerance of Nominal mass	Tolerance per Mass (Kg.)	0.2 percent proof stress / Yield stress Min. N/mm ²	Elongation percent, Min.	Tensile Strength (N/mm ²)
8mm	0.395	Up to and including 10mm ±8%	0.363 – 0.427	500	16.0	10 percent more than the actual 0.2 percent Proof stress /yield stress. But not less than 565 N/mm ² .
10mm	0.617		0.568 – 0.666			
12mm	0.888	10mm up to and including 16mm ±6%	0.835 – 0.941			
16mm	1.58		1.485 – 1.675			
20mm	2.47	Over 16mm ±4%	2.371 – 2.569			
25mm	3.85		3.696 – 4.004			
32mm	6.31		6.058 – 6.562			

Supervised by

Note:

1. Any correction without attestation will be invalid date in this certificate
2. Materials were supplied by the job requester
3. The results relate only to the samples tested.



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DUVUSUIB P.W.D KARAICAL**

Dt.15.06.2019

**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
OLD NAGORE ROAD - NAGAPATTINAM TAMILNADU 611002**



RECEIPT

Bill No : 1011
 Name : P.W.D /Karaikal
 Roll No :
 YEAR :
 Date : 11-Jan-2020
 Course :
 Mode of Payment : Cash

Fees Type	Amount
TESTING BILL	18000
Rupees: Eighteen Thousand Only	
	18000.00

AMOUNT WILL NOT BE REFUNDED



[Signature]
Accountant

[Signature]
Cashier

at Athipadugai village
Testing of

sample of Cement
communicated as early as

[Signature]
Payee's Signature and Name

ithfully

**ENGINEER (ROADS)
KARAICAL**

aikal – for kind

information please.

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DUVUSUIB P.W.D KARAİKAL**

No:-1684 /PW/SDR/KKL/2019-20

Dt.15.06.2019

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Cement Requested - Regarding

With reference to the above subject, I am sending herewith the sample of Cement testing. In this connection it is requested that necessary test report may be communicated as early as possible please.

Cement:

Cement: Coromandel @ OPC 53

1. Consistency of Cement
2. Initial & Final setting time
3. Fineness of Cement
4. Soundness of Cement (Le-Chatalier method)
5. Mortar Cubes testing (3 days, 7 days & 28 days)

Yours faithfully



**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAİKAL**

Encl: 1 Cement Bag (50KG)

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DUVUSUIB P.W.D KARAİKAL**

No:-1684 /PW/SDR/KKL/2019-20

Dt.15.06.2019

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Cement Requested - Regarding

With reference to the above subject, I am sending herewith the sample of Cement testing. In this connection it is requested that necessary test report may be communicated as early as possible please.

Cement:

Cement: Coromandel @ OPC 53

1. Consistency of Cement
2. Initial & Final setting time
3. Fineness of Cement
4. Soundness of Cement (Le-Chatelier method)
5. Mortar Cubes testing (3 days, 7 days & 28 days)

Yours faithfully

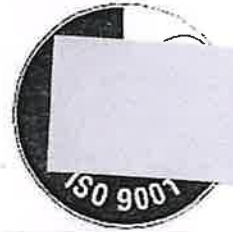
**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAİKAL**

Encl: 1 Cement Bag (50KG)

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.



E.G.S. PILLAY ENGINEERING COLLEGE
 NAGAPATTINAM - 611 002.
 (An ISO 9001:2015 Certified Institution)
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 (Affiliated to Anna University Chennai)



Consultancy services
 (Department of Civil Engineering)

No. EGSPEC/MTR/3945/2019

Date: 14.07.2019

CEMENT TEST RESULTS
 (IS: 269: 2015)

Assistant Engineer (Roads)
 V.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1684/PW/SDR/KKL-2019-20 Dated: 15.06.2019

Requested on : 15.06.2019

Date of Cement tested: 16.06.2019

Mortar Cubes Casted Date: 16.06.2019

Date of Mortar cubes testing(3days): 19.06.2019, (7days): 23.06.2019, (28days): 14.07.2019

Brand of Cement: Coromandel

Grade of Cement: OPC-53

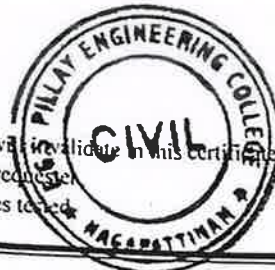
Week No: 24th

	<u>Test Results</u>	<u>Specification Limits</u> (IS: 269: 2015)
Normal Consistency of Cement	(%) : 31.5 %	-
Setting Time		
Initial Setting Time	(minutes) : 150	Min. 30
Final Setting Time	(minutes) : 315	Max. 600
Fineness of Cement (By Drying Sieve)	(%) : 2.88	10%
Soundness of Cement (Le-Chatelier Method)	(mm) : 3.9	Max. 10 mm
Compressive Strength of Cement Mortar Cubes		
3 days (72 ± 1 h, Min)	Mpa : 33.44	Min, 27 Mpa
7 days (168 ± 2 h, Min)	Mpa : 46.48	Min, 37 Mpa
28 days (672 ± 4 h, Min)	Mpa : Awaited	Min, 53 Mpa

Supervised by

Note:

- Any correction without attestation will be invalid in this certificate
- Materials were supplied by the job requester
- The results relate only to the samples tested



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagapattinam.



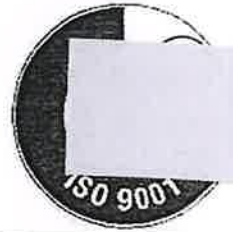
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(Affiliated to Anna University Chennai)



Consultancy services

(Department of Civil Engineering)

No. EGSPEC/MT/3944/2019

Date: 14.07.2019

COMPRESSIVE STRENGTH OF CEMENT MORTAR MIX CUBES

(IS: 4031 Part -7)

Assistant Engineer (Roads)
V.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1684/PW/SDR/KKL-2019-20 Dated: 15.06.2019

Requested on : 15.06.2019

Brand of Cement : Coromandel

Grade of Cement: OPC-53

Week No: 24th

Date of Casted : 16.06.2019

Date of tested (28 days): 14.07.2019

Size of Mortar Cube: 7.06cm x 7.06cm x 7.06cm **Volume of cube**: 351.896cc **Area of Cube**: 49.84cm²

No.	Mortar Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	1	848	2.410	28	283	56.78	57.18	
2	2	839	2.384	28	295	59.19		
3	3	841	2.390	28	277	55.58		

Average compressive Strength: **57.18 N/mm²** [Minimum: **53 Mpa.**]

3 days Cement Mortar Cubes Compressive Strength test results are within the specification limits.

Supervised by
A. Anil 14.07.2019



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Note:

- Any correction without attestation will invalidate in this certificate
- Materials were supplied by the job request.
- The results relate only to the samples tested.



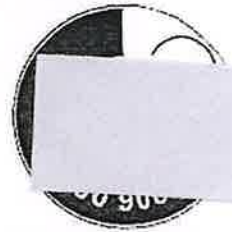
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Consultancy services

(Department of Civil Engineering)

No. EGSPEC/MTR/3931/2019

Date: 23.06.2019

COMPRESSIVE STRENGTH OF CEMENT MORTAR MIX CUBES (IS: 4031 Part -7)

Assistant Engineer (Roads)
N.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1684/PW/SDR/KKL-2019-20 Dated: 15.06.2019

Requested on : 15.06.2019

Brand of Cement : Coromandel

Grade of Cement: OPC-53

Week No: 24th

Date of Casted : 16.06.2019

Date of tested (7 days): 23.06.2019

Size of Mortar Cube: 7.06cm x 7.06cm x 7.06cm Volume of cube: 351.896cc Area of Cube: 49.84cm²

S. No.	Mortar Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	4	845	2.401	7	225	45.14	46.48	
2	5	840	2.387	7	235	47.15		
3	6	838	2.381	7	235	47.15		

Average compressive Strength: **46.48 N/mm²** [Minimum: 37 Mpa.]

7 days Cement Mortar Cubes Compressive Strength test results are within the specification limits.

Supervised by

Note:

- Any correction without attestation will not take in this certificate
- Materials were supplied by the job requester.
- The results relate only to the samples tested.



Head of the Dept.
D. S. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

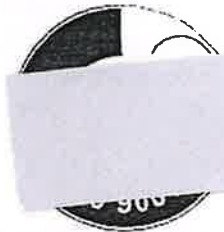


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Consultancy services (Department of Civil Engineering)

No. EGSPEC/MT/3926/2019

Date: 18.06.2019

COMPRESSIVE STRENGTH OF CEMENT MORTAR MIX CUBES (IS: 4031 Part -7)

Requested by: Assistant Engineer (Roads)
W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1684/PW/SDR/KKL-2019-20 Dated: 15.06.2019

Requested on : 15.06.2019

Brand of Cement : Coromandel

Grade of Cement: OPC-53

Week No: 24th

Date of Casted : 16.06.2019

Date of tested (3 days): 19.06.2019

Size of Mortar Cube: 7.06cm x 7.06cm x 7.06cm Volume of cube: 351.896cc Area of Cube: 49.84cm²

S. No.	Mortar Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	1	844	2.398	3	175	35.11	33.44	
2	2	831	2.361	3	160	32.10		
3	3	837	2.379	3	165	33.11		

Average compressive Strength: **33.44 N/mm²** [Minimum: 27 Mpa.]

3 days Cement Mortar Cubes Compressive Strength test results are within the specification limits.

Supervised by
A.M. 18-06-2019



Head of the Dept.

[Signature]
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Note:

- Any correction without attestation will invalidate in this certificate.
- Materials were supplied by the job requester.
- The results relate only to the samples tested.

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DIVISION P.W.D KARAIKAL**

No:-1693 /PW/SDR/KKL/2019-20

Dt.20.06.2019

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Steel

Requested - Regarding

With reference to the above subject, I am sending herewith the samples of steel for conducting all mandatory tests. In this connection it is requested that necessary test report may be communicated as early as possible please.

Steel:

Size of Steel: 8mm, 10mm, 12mm, 16mm, 25mm & 32mm

Brand: JSW- Fe 500D

Test to be conducted

1. Tensile strength
2. Elongation test
3. Weight per metre
4. Bend and re bend test
5. Proof stress test
6. Yield strength

Yours faithfully

**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAIKAL**

Encl: 3 Samples for each size

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.



E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

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(Affiliated to Anna University Chennai)



Consultancy services

(Department of Civil Engineering)

No. EGSPEC/MTR/3930/2019

Date: 24.06.2019

STEEL TEST RESULTS

(IS: 1786: 2008)

Assistant Engineer (Roads)

D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1693/PW/SDR/KKL-2019-20 Dated: 20.06.2019

Kind of Steel : JSW - Neosteel

Grade of Steel: Fe 500D

Requested on : 20.06.2019

Date of tested: 21.06.2019

Dia. / Brand of Steel (mm)	Weight per Meter (Kg)	0.2% Proof - Stress (N/mm ²)	Ultimate Tensile Strength (N/mm ²)	Elongation (%)	Bend	Rebend
8mm TMT (JSW - Neosteel- Fe 500D)	0.3911	555	610	19.5	-	-
	0.3942	-	-	-	Satisfactory	-
	0.3990	-	-	-	-	Satisfactory
10mm TMT (JSW - Neosteel- Fe 500D)	0.6189	550	596	20.2	-	-
	0.6192	-	-	-	Satisfactory	-
	0.6181	-	-	-	-	Satisfactory

The Physical and Mechanical properties of steel test results are within the specification limits...

A. Jm 24.06.19
Supervised by

Note:

- Any correction without attestation will invalidate this certificate
- Materials were supplied by the job requester.
- The results relate only to the samples tested.



[Signature]
Head of the Dept.
Dr. K. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Conti.,



E.G.S. PILLAY ENGINEERING COLLEGE

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Dia. / Brand of Steel (mm)	Weight per Meter (Kg)	0.2% Proof - Stress (N/mm ²)	Ultimate Tensile Strength (N/mm ²)	Elongation (%)	Bend	Rebend
12mm TMT (JSW - Neosteel- Fe 500D)	0.8925	562	625	20.9	-	-
	0.8907	-	-	-	Satisfactory	-
	0.8897	-	-	-	-	Satisfactory
16mm TMT (JSW - Neosteel- Fe 500D)	1.5857	547	607	22.3	-	-
	1.5892	-	-	-	Satisfactory	-
	1.5890	-	-	-	-	Satisfactory
25mm TMT (JSW - Neosteel- Fe 500D)	3.8611	561	630	21.5	-	-
	3.8808	-	-	-	Satisfactory	-
	3.8921	-	-	-	-	Satisfactory
32mm TMT (JSW - Neosteel- Fe 500D)	6.3102	541	592	20.7	-	-
	6.3048	-	-	-	Satisfactory	-
	6.3098	-	-	-	-	Satisfactory

The Physical and Mechanical properties of steel test results are within the specification limits...

A. M. 24.06.2019
Supervised by

Note:

1. Any correction without attestation will invalidate in this certificate
2. Materials were supplied by the job register
3. The results relate only to the samples tested.



A. M. 24.06.19
Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering
E.G.S. Pillay Engineering College,
Nagapattinam.

Conti.,



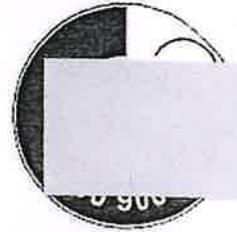
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Specification Limits (Physical & Mechanical properties):

Grade of Steel: Fe 500D

dia. of Steel	Mass per Meter (Kg.)	Tolerance of Nominal mass	Tolerance per Mass (Kg.)	0.2 percent proof stress / Yield stress Min. N/mm ²	Elongation percent, Min.	Tensile Strength (N/mm ²)
8mm	0.395	Up to and including 10mm ±8%	0.363 – 0.427	500	16.0	10 percent more than the actual 0.2 percent Proof stress /yield stress. But not less than 565 N/mm ² .
10mm	0.617		0.568 – 0.666			
12mm	0.888	10mm up to and including 16mm ±6%	0.835 – 0.941			
16mm	1.58		1.485 – 1.675			
20mm	2.47	Over 16mm ±4%	2.371 – 2.569			
25mm	3.85		3.696 – 4.004			
32mm	6.31		6.058 – 6.562			

A-AM 24-06-2019
Supervised by

Note:

1. Any correction without attestation will invalidate in this certificate
2. Materials were supplied by the job requester
3. The results relate only to the samples tested.



Head of the Dept.

Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DUVUSUIB P.W.D KARAİKAL**

No:-1697 /PW/SDR/KKL/2019-20

Dt.30.06.2019

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Concrete cube for Pier P2 Requested - Regarding

I am sending herewith the following samples of Concrete cube of Pier P2 the above said work for conducting necessary mandatory tests. In this connection it is requested that necessary test report of the same may be send to this office for taking further action please.

Grade of Concrete	:	RCC M30
Part of Structure	:	Pier P2
Casing Date	:	02.06.2019
Cube test for	:	test for 28 days curing
Testing date	:	30.06.2019

Yours faithfully



**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAİKAL**

Encl: 1 set of 3 cubes

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.



E.G.S. PILLAY ENGINEERING COLLEGE
 NAGAPATTINAM - 611 002.
 (An ISO 9001:2015 Certified Institution)
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 (Affiliated to Anna University Chennai)



Consultancy services
 (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3933/2019

Date: 30.06.2019

COMPRESSIVE STRENGTH OF CONCRETE CUBES [M30 RCC]

[As per IS:516]

To
 The Assistant Engineer (Roads)
 P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1697/PW/SDNH/KKL-2019-20 Dated: 30.06.2019

Requested on : 30.06.2019

Grade of Concrete : M30 RCC

Part of Structure : Pier P2

Date of Cubes casting: 02.06.2019

Date of Testing (28 days): 30.06.2019

Characteristic Compressive Strength: 30 N/mm²

Size of Cube: 15cm x 15cm x 15cm

Volume of cube: 3375cc

Area of Cube: 225Cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	Pier P2-01	8499	2.518	28	755	33.56	33.36	
2	Pier P2-02	8565	2.538	28	762	33.87		
3	Pier P2-03	8532	2.528	28	735	32.67		

Average compressive Strength: 33.36 N/mm² [Limit: ≥ 30.00 N/mm²]

28 days Cubes Compressive Strength test results are within the specification limit.

Supervised by
A. J. M. 30.06.19

Note:

- Any correction without attestation will invalidate this certificate
- Materials were supplied by the job register.
- The results relate only to the samples tested.



Head of the Dept.
 Dr. R. SIVAKUMAR, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagapattinam.

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DUVUSUIB P.W.D KARAIKAL**

No:-1686 /PW/SDR/KKL/2019-20

Dt.18.06.2019

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Concrete cube for Pile P1 Requested - Regarding

I am sending herewith the following samples of Concrete cube of Pile P1 the above said work for conducting necessary mandatory tests. In this connection it is requested that necessary test report of the same may be send to this office for taking further action please.

Grade of Concrete	:	RCC M30
Part of Structure	:	Pile P1
Casing Date	:	11.06.2019
Cube test for	:	test for 7 days curing
Testing date	:	18.06.2019

Yours faithfully



**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAIKAL**

Encl: 1 set of 3 cubes

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.

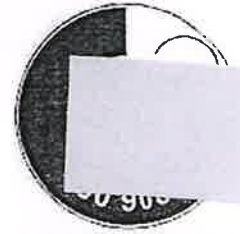


E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

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(Affiliated to Anna University Chennai)



Consultancy services
(Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3929/2019

Date: 18.06.2019

COMPRESSIVE STRENGTH OF CONCRETE CUBES [M30 RCC]

[As per IS:516]

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1686/PW/SDNH/KKL-2019-20 Dated: 18.06.2019

Requested on : 18.06.2019

Grade of Concrete : M30 RCC

Part of Structure : Pile P1

Date of Cubes casting: 11.06.2019

Date of Testing (7 days): 18.06.2019

Characteristic Compressive Strength: 30 N/mm²

Size of Cube: 15cm x 15cm x 15cm

Volume of cube: 3375cc

Area of Cube: 225Cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	Pile P1/01	8585	2.544	7	578	25.69	25.07	
2	Pile P1/02	8555	2.535	7	546	24.27		
3	Pile P1/03	8478	2.512	7	568	25.24		

Average compressive Strength: 25.07 N/mm² [Limit: ≥ 20.10 N/mm²]

28 days Cubes Compressive Strength test results are awaited.

Supervised by

Note:

- Any correction without attestation will invalidate in this certificate.
- Materials were supplied by the job requester.
- The results relate only to the samples tested.



Head of the Dept., M.E., Ph.D.
Dr. R. SIVAKUMAR
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DIVISION P.W.D KARAIKAL**

No:-1679 /PW/SDR/KKL/2019-20

Dt.30.05.2019

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Concrete cube for Test Pile Requested - Regarding

I am sending herewith the following samples of Concrete cube of test pile the above said work for conducting necessary mandatory tests. In this connection it is requested that necessary test report of the same may be send to this office for taking further action please.

Grade of Concrete	:	RCC M30
Part of Structure	:	Test pile
Casting Date	:	02.05.2019
Cube test for	:	test for 28 days curing
Testing date	:	30.05.2019

Yours faithfully

**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAIKAL**

Encl: 1 set of 3 cubes

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.



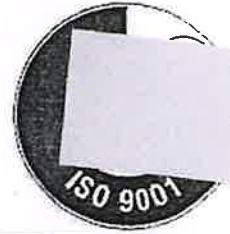
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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3921/2019

Date: 30.05.2019

COMPRESSIVE STRENGTH OF CONCRETE CUBES [M30 RCC]

[As per IS:516]

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1679/PW/SDNH/KKL-2019-20 Dated: 09.05.2019

Requested on : 09.05.2019

Grade of Concrete : M30 RCC

Part of Structure : Test Pile

Date of Cubes casting: 02.05.2019

Date of Testing (28 days): 30.05.2019

Characteristic Compressive Strength: 30 N/mm²

Size of Cube: 15cm x 15cm x 15cm

Volume of cube: 3375cc

Area of Cube: 225Cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	Test pile-4	8633	2.558	28	779	34.62	34.80	
2	Test pile-5	8549	2.533	28	810	36.00		
3	Test pile-6	8511	2.522	28	760	33.78		

Average compressive Strength: 34.80 N/mm² [Limit: ≥ 30.00 N/mm²]

28 days Cubes Compressive Strength test results are within the specification limit.

Supervised by
[Signature]
30-5-2019

Note:

- Any correction without attestation will invalidate this certificate
- Materials were supplied by the job requester.
- The results relate only to the samples tested.



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DUVUSUIB P.W.D KARAIKAL**

No:-1671 /PW/SDR/KKL/2019-20

Dt.09.05.2019

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

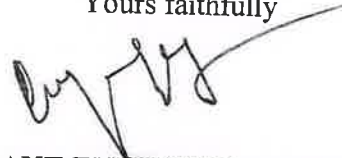
Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Concrete cube for Test PileRequested - Regarding

I am sending herewith the following samples of Concrete cube of test pile the above said work for conducting necessary mandatory tests. In this connection it is requested that necessary test report of the same may be send to this office for taking further action please.

Grade of Concrete	:	RCC M30
Part of Structure	:	Test pile
Casing Date	:	02.05.2019
Cube test for	:	test for 7 days curing
Testing date	:	09.05.2019

Yours faithfully



**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAIKAL**

Encl: 1 set of 3 cubes

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.



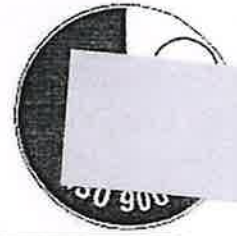
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Consultancy services

(Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3905/2019

Date: 09.05.2019

COMPRESSIVE STRENGTH OF CONCRETE CUBES [M30 RCC]

[As per IS:516]

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1671/PW/SDNH/KKL-2019-20 Dated: 09.05.2019

Requested on : 09.05.2019

Grade of Concrete : M30 RCC

Part of Structure : Test Pile

Date of Cubes casting: 02.05.2019

Date of Testing (7 days): 09.05.2019

Characteristic Compressive Strength: 30 N/mm²

Size of Cube: 15cm x 15cm x 15cm

Volume of cube: 3375cc

Area of Cube: 225Cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	Test pile-1	8476	2.511	7	505	22.44	23.33	
2	Test pile-2	8537	2.529	7	550	24.44		
3	Test pile-3	8445	2.505	7	520	23.11		

Average compressive Strength: 23.33 N/mm² [Limit: ≥ 20.10 N/mm²]

28 days Cubes Compressive Strength test results are awaited.

Supervised by

Note:

- Any correction without attestation will invalidate in this certificate.
- Materials were supplied by the job requester.
- The results relate only to the samples tested.



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering
E.G.S. Pillay Engineering College,
Nagapattinam.

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DUVUSUIB P.W.D KARAIKAL**

No:-1653 /PW/SDR/KKL/2019-20

Dt.17.04.20219

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Steel

Requested - Regarding

With reference to the above subject, I am sending herewith the samples of steel for conducting all mandatory tests. In this connection it is requested that necessary test report may be communicated as early as possible please.

Steel:

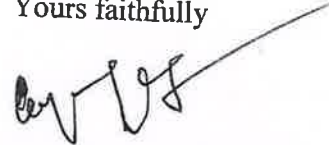
Size of Steel: 8mm, 10mm, 12mm, 16mm, 25mm & 32mm

Brand: JSW- Fe 500D

Test to be conducted

1. Tensile strength
2. Elongation test
3. Weight per metre
4. Bend and re bend test
5. Proof stress test
6. Yield strength

Yours faithfully



**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAIKAL**

Encl: 3 Samples for each size

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.



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Consultancy services

(Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3901/2019

Date: 20.04.2019

STEEL TEST RESULTS

(IS: 1786: 2008)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1653/PW/SDR/KKL-2019-20 Dated: 17.04.2019

Brand of Steel : JSW - Neosteel

Grade of Steel: Fe 500D

Requested on : 17.04.2019

Date of tested: 18.04.2019

S. No.	Dia. / Brand of Steel (mm)	Weight per Meter (Kg)	0.2% Proof - Stress (N/mm ²)	Ultimate Tensile Strength (N/mm ²)	Elongation (%)	Bend	Rebend
1	8mm TMT (JSW - Neosteel- Fe 500D)	0.3972	559	659	18.8	-	-
2		0.3957	-	-	-	Satisfactory	-
3		0.3989	-	-	-	-	Satisfactory
4	10mm TMT (JSW - Neosteel- Fe 500D)	0.6182	537	589	21.0	-	-
5		0.6175	-	-	-	Satisfactory	-
6		0.6189	-	-	-	-	Satisfactory

The Physical and Mechanical properties of steel test results are within the specification limits...

Supervised by
A. J. A. 2019

Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Head of the Dept.

Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Note:

- Any correction without attestation will not be accepted.
- Materials were supplied by the job requester.
- The results relate only to the samples tested.



Conti.,



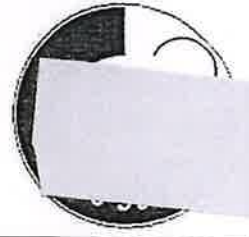
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S. No.	Dia. / Brand of Steel (mm)	Weight per Meter (Kg)	0.2% Proof - Stress (N/mm ²)	Ultimate Tensile Strength (N/mm ²)	Elongation (%)	Bend	Rebend
7	12mm TMT (JSW - Neosteel-Fe 500D)	0.8895	530	601	20.0	-	-
8		0.8975	-	-	-	Satisfactory	-
9		0.9011	-	-	-	-	Satisfactory
7	16mm TMT (JSW - Neosteel-Fe 500D)	1.5887	-	-	-	Satisfactory	-
8		1.5789	537	621	21.0	-	-
9		1.5866	-	-	-	-	Satisfactory
10	25mm TMT (JSW - Neosteel-Fe 500D)	3.8656	533	617	22.5	-	-
11		3.8798	-	-	-	Satisfactory	-
12		3.8928	-	-	-	-	Satisfactory
16	32mm TMT (JSW - Neosteel-Fe 500D)	6.2975	559	649	21.2	-	-
17		6.3095	-	-	-	Satisfactory	-
18		6.3122	-	-	-	-	Satisfactory

The Physical and Mechanical properties of steel test results are within the specification limits...

Signature
20.4.19
Supervised by

Note:

1. Any correction without attestation will be void date in this certificate.
2. Materials were supplied by the job requester.
3. The results relate only to the samples tested.



Signature
Head of the Dept.

Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Conti..

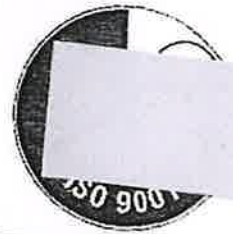


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Specification Limits (Physical & Mechanical properties):

Grade of Steel: Fe 500D

Dia. of Steel	Mass per Meter (Kg.)	Tolerance of Nominal mass	Tolerance per Mass (Kg.)	0.2 percent proof stress / Yield stress Min. N/mm ²	Elongation percent, Min.	Tensile Strength (N/mm ²)
8mm	0.395	Up to and including 10mm ±8%	0.363 - 0.427	500	16.0	10 percent more than the actual 0.2 percent Proof stress /yield stress. But not less than 565 N/mm ² .
10mm	0.617		0.568 - 0.666			
12mm	0.888	10mm up to and including 16mm ±6%	0.835 - 0.941			
16mm	1.58		1.485 - 1.675			
20mm	2.47	Over 16mm ±4%	2.371 - 2.569			
25mm	3.85		3.696 - 4.004			
32mm	6.31		6.058 - 6.562			

Supervised by

Note:

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2. Materials were supplied by the job requester.
3. The results relate only to the samples tested.



Head of the Dept
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DIVISION P.W.D KARAIKAL**

No:-1642 /PW/SDR/KKL/2019-20

Dt. 23.03.2019

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Coarse, Fine aggregate, M-Sand, Cement testing, Water & Concrete Mix designs (M-30 Pile & M-30 RCC) Requested - Regarding

With reference to the above subject, I am sending herewith the samples of Testing of Coarse, Fine aggregate, M-Sand, Cement testing, Water for conducting all mandatory tests along with concrete mix designs M-30 Pile & M-30RCC, in this connection it is requested that necessary test report may be communicated as early as possible please.

Materials

1. Coarse & Fine Aggregate (20mm, 12.5mm, M-Sand)
(Source of Material: Stock yard @ site, Karur Blue Metal, Karur)
2. Water: Bore well water @ Athipadugai Village
3. Cement: Coromandel @ OPC 53
4. Admixture: Sika India Pvt Ltd.,

Yours faithfully



**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAIKAL**

Encl: As stated above

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.



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Consultancy services
(Department of Civil Engineering)

Date: 30.03.2019

Ref. No. EGSPEC/MTR/3875/2019

SIEVE ANALYSIS OF FINE AGGREGATE (M-SAND) (IS:383-2016)

To
The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Date of tested: 25.03.2019

Requested on : 24.03.2019

Source of Sample : Stock yard @ Best Blue Metal, Karur.

SAMPLE-01

Total weight (g): 1245.5

Sieve Size	Weight retained (g)	Cumulative Weight retained (g)	Cumulative % of weight retained	% of Passing	Specification Limits [Zone-II]
10 mm	0.0	0.0	0.0	100.0	100
4.75 mm	35.5	35.5	2.9	97.1	90-100
2.36 mm	124.5	160.0	12.8	87.2	75-100
1.18 mm	265.2	425.2	34.1	65.9	55-90
600 microns	244.2	669.4	53.7	46.3	35-59
300 microns	285.5	954.9	76.7	23.3	8-30
150 microns	184.5	1139.4	91.5	8.5	0-10
75 microns	75.5	1214.9	97.5	2.5	
Pan	30.6				

Fineness Modulus: 2.717 (Limit: 2.0 - 3.5)

Zone: II

AM
30-3-2019



Dr. R. Sivakumar
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head,
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.



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SAMPLE-02

Total weight (g): 1177.8

Sieve Size	Weight retained (g)	Cumulative Weight retained (g)	Cumulative % of weight retained	% of Passing	Specification Limits [Zone-II]
10 mm	0.0	0.0	0.0	100.0	100
4.75 mm	22.4	22.4	1.9	98.1	90-100
2.36 mm	133.2	155.6	13.2	86.8	75-100
1.18 mm	224.9	380.5	32.3	67.7	55-90
600 microns	260.3	640.8	54.4	45.6	35-59
300 microns	251.5	892.3	75.8	24.2	8-30
150 microns	182.2	1074.5	91.2	8.8	0-10
75 microns	80.9	1155.4	98.1	1.9	
Pan	22.4				

Fineness Modulus: 2.688 (Limit: 2.0 - 3.5)

Zone: II

1. Fineness Modulus : 2.703 (Limit: 2.0 - 3.5) Zone: II
2. Silt Content : 2.2 % < 3.0%

Supervised by

Note:

1. Any correction without attestation will invalidate in this certificate
2. Materials were supplied by the job requester
3. The results relate only to the samples tested



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.



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Consultancy services
(Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3876/2019

Date: 30.03.2019

SIEVE ANALYSIS OF COARSE AGGREGATE
(IS:383-2016)

To
The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Date of tested: 25.03.2019

Source of Sample : Stock yard @ Best Blue Metal, Karur.

SIEVE ANALYSIS OF 20mm (Single Size)

Total weigh (g) : 9227

Sieve Size (mm)	Weight retained (g)	Cumulative Weight retained (g)	Cumulative % of weight retained	% of Passing	Specification Limits
40	0	0	0.0	100.0	100
20	792	792	8.6	91.4	85 - 100
10	7611	8403	91.1	8.9	0 - 20
4.75	722	9125	98.9	1.1	0 - 5
Pan	102				

SIEVE ANALYSIS OF 20mm (Single Size)

Total weight (g) : 8359

Sieve Size (mm)	Weight retained (g)	Cumulative Weight retained (g)	Cumulative % of weight retained	% of Passing	Specification Limits
40	0	0	0.0	100.0	100
20	926	926	11.1	88.9	85 - 100
10	6529	7455	89.2	10.2	0 - 20
4.75	838	8293	99.2	0.8	0 - 5
Pan	66				

AM 30-3-2019



Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

Grams : 'EGSP' Personal : 251114, Office : 251112, Chairman : 224522, Hostel : 251348, Fax : 251114
Web site : www.egspec.org



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SIEVE ANALYSIS OF 12.5mm (Single Size)

Sieve Size (mm)	Weight retained (g)	Cumulative Weight retained (g)	Cumulative % of weight retained	% of Passing	Specification Limits
16	0	0	0.0	100.0	100
12.5	550	550	7.1	92.9	85 - 100
10	3734	4284	55.3	44.7	0 - 45
4.75	3301	7585	97.9	2.1	0 - 10
Pan	165				

Total weigh (g) : 7750

SIEVE ANALYSIS OF 12.5mm (Single Size)

Sieve Size (mm)	Weight retained (g)	Cumulative Weight retained (g)	Cumulative % of weight retained	% of Passing	Specification Limits
16	0	0	0.0	100.0	100
12.5	422	422	5.3	94.7	85 - 100
10	4070	4492	56.1	43.9	0 - 45
4.75	3328	7820	97.7	2.3	0 - 10
Pan	185				

Total weight (g) : 8005

Combined Aggregate Sample-01

SIEVE ANALYSIS OF COBINED AGGREGATE (20mm + 12.5mm) (Nominal Size)
[20mm:45%] : [12.5mm (55%)]

Sieve Size (mm)	Weight retained (g)	Cumulative Weight retained (g)	Cumulative % of weight retained	% of Passing	Specification Limits
40	0	0	0	100.00	100
20	483	483	3.2	96.8	95 - 100
10	10043	10526	70.2	29.8	25 - 55
4.75	4267	14793	98.6	1.4	0 - 10
Pan	207				

Total weigh (g) : 15000

Handwritten signature and date: Jm 30.3.2017



Handwritten signature: Dr. R. Sivakumar

Dr. R. SIVAKUMAR, M.E.
Professor & Head
Department of Civil Engineering



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Combined Aggregate Sample-02

SIEVE ANALYSIS OF COBINED AGGREGATE (20mm + 12.5mm) (Nominal Size)

[20mm:45%] : [12.5mm (55%)]

Sieve Size (mm)	Weight retained (g)	Cumulative Weight retained (g)	Cumulative % of weight retained	% of Passing	Specification Limits
40	0	0	0	100.00	100
20	649	649	4.3	95.7	95 - 100
10	9517	10166	67.8	32.2	25 - 55
4.75	4566	14732	98.2	1.8	0 - 10
Pan	268				

SIEVE ANALYSIS OF ALL-IN-AGGREGATE-01

(CA:FA) [Coarse aggregate: 58% Fine aggregate: 42%]

Blending: 20mm:26.1% 12.5mm: 31.9% + M-Sand: 42%

Sieve Size (mm)	Weight retained (g)	Cumulative Weight retained (g)	Cumulative % of weight retained	% of Passing	Specification Limits
40	0	0	0.0	100.0	100
20	462	462	2.3	97.7	95 - 100
4.75	10904	11366	56.8	43.2	30 - 50
600 microns	4476	15842	79.2	20.8	10 - 35
150 microns	3471	19343	96.7	3.3	0 - 6
Pan	657				

A.M.
30.3.2019



[Signature]
 Dr. R. SIVAKUMAR, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagapattinam.



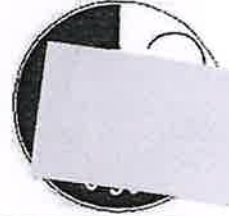
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SIEVE ANALYSIS OF ALL-IN-AGGREGATE-02

(CA:FA) [Coarse aggregate: 58% Fine aggregate: 42%]

Blending: 20mm:26.1% 12.5mm: 31.9 % + M-Sand: 42%

Total weigh (g) : 20000

Sieve Size (mm)	Weight retained (g)	Cumulative Weight retained (g)	Cumulative % of weight retained	% of Passing	Specification Limits
40	0	0	0.0	100.0	100
20	566	566	2.8	97.2	95 - 100
4.75	11055	11621	58.1	41.9	30 - 50
600 microns	4182	15803	79.0	21.0	10 - 35
150 microns	3616	19419	97.1	2.9	0 - 6
Pan	581				

A. Om
30/3/2019
Supervised by

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R. Siva Kumar
30/3/19
Head of the Dept.
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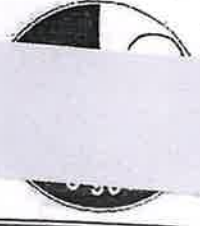
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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3877/2019

Date: 30.03.2019

AGGREGATE IMPACT VALUE

(IS: 2386 Part-4)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Date of tested: 25.03.2019

Source of Sample : Stock yard @ Best Blue Metal, Karur.

Description			1	2	3
Weight of Surface Dry Sample passing IS Sieve 12.5 mm but retained on IS Sieve 10.0 mm	W ₁	g	371.5	379.2	368.8
Weight of Fraction Passing I S Sieve 2.36 mm after the test	W ₂	g	83.5	82.1	80.9
Weight of Fraction Retained on IS Sieve 2.36 mm after the test	W ₃	g	287.7	296.7	287.6
$W_4 = W_1 - (W_2 + W_3)$		g	0.3	0.4	0.3
$A.I.V (%) = (W_2 / W_1) \times 100$		%	22.48	21.65	21.94
Average Value of A.I.V. (%)		%	22.02		

If $W_4 > 1$ g, Test is to be discarded

#Aggregate Impact Value: 22.02% (< 45 % for Concrete works)

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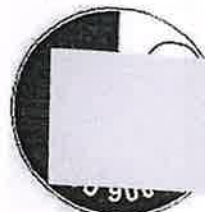
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Consultancy services

(Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3879/2019

Date: 30.03.2019

FLAKINESS & ELONGATION INDEX

(IS: 2386 Part-1)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Source of Sample : Stock yard @ Best Blue Metal, Karur.

Date of tested: 27.03.2019

I.S Sieve size (mm)		Flakiness Index [1]		Elongation Index [2]	
Passing	Retained	Total Wt. of aggregate retained on sieves [A] (g)	Wt. of aggregate passing through thickness gauge [B] (g)	Wt. of aggregate retained on thickness gauge [C] (g)	Wt. of aggregate retained on length gauge after retained on thickness gauge [D] (g)
63.0	50.0	0	0	0	0
50.0	40.0	0	0	0	0
40.0	31.5	0	0	0	0
31.5	25.0	0	0	0	0
25.0	20.0	322	0	0	0
20.0	16.0	2005	0	322	43
16.0	12.5	2379	198	1807	288
12.5	10.0	1969	256	2123	308
10.0	6.3	2952	287	1682	121
Total		9627	1149	8478	1346

1 Flakiness Index (B/A) x 100 : 11.94% < 15%

2 Elongation Index (D/C) x 100 : 15.88%

3 Combined FI & EI (1+2) : 27.81%

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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3880/2019

Date: 30.03.2019

WATER TEST RESULTS (IS:456:2000)

To
The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Source of Sample : Borewell water @ Athipadugai village

Date of tested: 27.03.2019

S. No.	Test Parameters	Requirement as IS 456:2000	Results Obtained
1	General	Water used for mixing and curing shall be clean and free from injurious amounts of oils, acids, alkalis, salts, sugar, organic materials or other sub stains that may be deleterious to concrete or steel	Satisfactory
2	pH value	≥6	7.1
3	ml. of 0.02 N NaOH required to neutralize 100 ml water using phenolphthalein indicator	5 max	1.20
4	ml of 0.02 n H ₂ SO ₄ required to neutralize 100 ml of water using mixed indicator	25 Max	21.10
5	Organic solids, mg/l	200 Max	< 18
6	Inorganic solids, mg/l	3000 Max	1925
7	Sulphates as SO ₃ , mg/l	400 Max	220
8	Chlorides as Cl, mg/l:		
	a. for concrete embedded steel	2000 Max	
	b. for reinforced concrete work	500 Max	458
9	Suspended solids, mg/l	2000 Max	< 29

As furnished by the customer

A. M. G. S. M. H.
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(Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3881/2019

Date 30.03.2019

SPECIFIC GRAVITY AND WATER ABSORPTION TEST
(IS: 2386 Part-3)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Date of tested: 25.03.2019

Source of Sample : Stock yard @ Best Blue Metal, Karur.

[20MM]

S.No.	Description		I	II	III	Avg.
1.	Weight of saturated surface dried sample in air (SSD)	(g)	2575.2	2440.2	2370.8	
2.	Weight of oven dried sample in air	(g)	2565.2	2431.9	2362.2	
3.	Weight of sample in water	(g)	1665.5	1577.7	1535.4	
4.	Water Absorption	$\frac{(1) - (2)}{(2)} \times 100$ (%)	0.390	0.341	0.364	0.365
5.	Bulk specific gravity, (SSD)	$\frac{(1)}{(1) - (3)}$	2.831	2.829	2.838	2.833

A.M.
20-3-2019
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R.
25/3/19
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 (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3884/2019

Date: 30.03.2019

SPECIFIC GRAVITY AND WATER ABSORPTION TEST
 (IS: 2386 Part-3)

To

The Assistant Engineer (Roads)
 P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL - Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Source of Sample : Stock yard @ Best Blue Metal, Karur.

Date of tested: 25.03.2019

[12.5MM]

S.No.	Description		I	II	III	Avg.
1.	Weight of saturated surface dried sample in air (SSD)	(g)	1624.2	1870.5	1722.1	
2.	Weight of oven dried sample in air	(g)	1615.2	1861.9	1715.0	
3.	Weight of sample in water	(g)	1047.1	1207.5	1110.4	
4.	Water Absorption	$\frac{(1) - (2)}{(2)} \times 100$ (%)	0.557	0.462	0.418	0.478
5.	Bulk specific gravity, (SSD)	$\frac{(1)}{(1) - (3)}$	2.814	2.821	2.815	2.817

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(Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3885/2019

Date: 30.03.2019

SPECIFIC GRAVITY AND WATER ABSORPTION TEST

(IS: 2386 Part-3)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Date of tested: 25.03.2019

Source of Sample : Stock yard @ Best Blue Metal, Karur.

[M-SAND]

S.No.	Description		I	II	III	Avg.
1.	Weight of saturated surface dried sample in air (SSD)	(g)	535.6	555.2	527.4	
2.	Weight of oven dried sample in air	(g)	530.5	549.2	522.1	
3.	Weight of Pycnometer bottle filled with water	(g)	1608.8	1608.8	1608.8	
4.	Weight of Pycnometer bottle + water + sample	(g)	1948.5	1960.3	1942.5	
5.	Water Absorption	$\frac{(1) - (2)}{(2)} \times 100$ (%)	0.961	1.092	1.015	1.023
6.	Bulk specific gravity, (SSD)	$\frac{(1)}{(1) + (3) - (4)}$	2.734	2.726	2.723	2.727

Supervised by
A.M. 30.3.2019

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Consultancy services

(Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3886/2019

Date: 30.03.2019

SPECIFIC GRAVITY OF CEMENT

(IS: 2386 Part-3)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Date of tested: 27.03.2019

Brand of Cement : Coromandel Grade of Cement: OPC-53 Week No: 10th

[CEMENT]

S. No.	Description			I	II	Average
1.	Weight of Empty Specific Gravity Bottle	W1	(g)	54.92	54.92	
2.	Weight of Specific Gravity Bottle + Kerosene	W2	(g)	133.92	133.92	
3.	Weight of Specific Gravity Bottle + Half filled with Cement	W3	(g)	84.73	85.16	
4.	Weight of Specific Gravity Bottle + Cement + Kerosene	W4	(g)	156.15	156.48	
5.	Specific Gravity: $\frac{(W3 - W1)}{(W2 - W1) - (W4 - W3)} \times \text{Sp. Gravity of Kerosene}$ (Kerosene Sp. Gravity: 0.8)			3.146	3.150	3.148

A. M. 30-3-2019
Supervised by

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[Signature]
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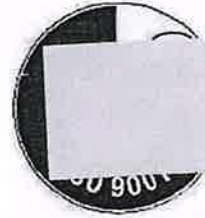
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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3897/2019

Date: 27.04.2019

CEMENT TEST RESULTS

(IS: 269: 2015)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Date of Cement tested: 27.03.2019

Mortar Cubes Casted Date: 30.03.2019

Date of Mortar cubes testing(3days): 02.04.2019, (7days): 06.04.2019, (28days): 27.04.2019.

Brand of Cement: Coromandel

Grade of Cement: OPC-53

Week No: 10th

		<u>Test Results</u>	<u>Specification Limits</u> (IS: 269: 2015)
1. Normal Consistency of Cement	(%)	: 31.5 %	-
2. <u>Setting Time</u>			
Initial Setting Time	(minutes)	: 135	Min. 30
Final Setting Time	(minutes)	: 315	Max. 600
3. Fineness of Cement (By Drying Sieve)	(%)	: 2.95	10%
4. Soundness of Cement (Le-Chatelier Method)	(mm)	: 3.22	Max. 10 mm
5. Specific Gravity		: 3.148	
6. <u>Compressive Strength of Cement Mortar Cubes</u>			
3 days (72 ± 1 h, Min)	Mpa	: 32.97	Min, 27 Mpa
7 days (168 ± 2 h, Min)	Mpa	: 44.07	Min, 37 Mpa
28 days (672 ± 4 h, Min)	Mpa	: 58.52	Min, 53 Mpa

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3. The results relate only to the samples tested.

Consultancy services
(Department of Civil Engineering)

Ref. No. EGSPEC/MT/3891/2019

Date: 02.04.2019

COMPRESSIVE STRENGTH OF CEMENT MORTAR MIX CUBES (IS: 4031 Part -7)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Brand of Cement : Coromandel

Grade of Cement: OPC-53

Week No: 10th

Date of Casted : 30.03.2019

Date of tested (3 days): 02.04.2019

Size of Mortar Cube: 7.06cm x 7.06cm x 7.06cm Volume of cube: 351.896cc Area of Cube: 49.84cm²

S. No.	Mortar Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	1	836	2.376	3	172	34.51	32.97	
2	2	842	2.393	3	156	31.30		
3	3	833	2.367	3	165	33.11		

Average compressive Strength: 32.97 N/mm² [Minimum: 27 Mpa.]

3 days Cement Mortar Cubes Compressive Strength test results are within the specification limits.

A.M. 02.04.2019
Supervised by



[Signature]
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E.G.S. Pillay Engineering College
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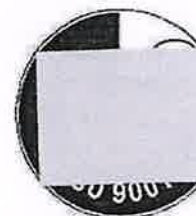
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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3892/2019

Date: 06.04.2019

COMPRESSIVE STRENGTH OF CEMENT MORTAR MIX CUBES (IS: 4031 Part -7)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Brand of Cement : Coromandel

Grade of Cement: OPC-53

Week No: 10th

Date of Casted : 30.03.2019

Date of tested (7 days): 06.04.2019

Size of Mortar Cube: 7.06cm x 7.06cm x 7.06cm Volume of cube: 351.896cc Area of Cube: 49.84cm²

S. No.	Mortar Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	4	846	2.404	7	211	42.34	44.07	
2	5	837	2.379	7	229	45.95		
3	6	840	2.387	7	219	43.94		

Average compressive Strength: **44.07 N/mm²** [Minimum: 37 Mpa.]

7 days Cement Mortar Cubes Compressive Strength test results are within the specification limits.

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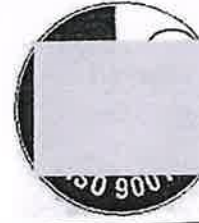
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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MT/3896/2019

Date: 27.04.2019

COMPRESSIVE STRENGTH OF CEMENT MORTAR MIX CUBES (IS: 4031 Part -7)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Brand of Cement : Coromandel Grade of Cement: OPC-53 Week No: 10th
Date of Casted : 30.03.2019 Date of tested (28 days): 27.04.2019

Size of Mortar Cube: 7.06cm x 7.06cm x 7.06cm Volume of cube: 351.896cc Area of Cube: 49.84cm²

S. No.	Mortar Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	7	841	2.390	28	292	58.59	58.52	
2	8	847	2.407	28	284	56.98		
3	9	838	2.381	28	299	59.99		

Average compressive Strength: 58.52 N/mm² [Minimum: 53 Mpa.]

3 days Cement Mortar Cubes Compressive Strength test results are within the specification limits.

A. J. M. 27-04-2019
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R. Sivakumar
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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3888/2019

Date: 01.04.2019

CONCRETE MIX DESIGN [PILE M30] (IS 10262-2019 & IS 456-2000)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Concrete Mix Design date: 31.03.2019

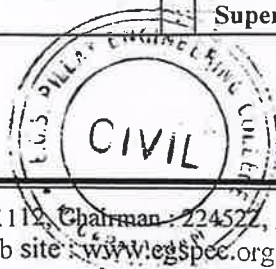
SOURCES OF MATERIALS

1	Coarse aggregate: 20mm & 12.5mm	: Best Blue Metal, Karur
2	Fine aggregate: M-Sand	: Best Blue Metal, Karur
3	Cement brand	: Dalmia Cement
4	Admixture brand	: Sika India Pvt. Ltd.,

DESIGN STIPULATIONS

1	Grade Designation	: PILE M30
2	Type of cement	: OPC-53 Grade
3	Max. Nominal Size of aggregate	: 20mm
4	Minimum Cement Content	: 400 Kg/cu.m
5	Maximum Water cement ratio	: 0.40
6	Workability	: 150mm - 20mm
7	Exposure conditions	: Moderate
8	Maximum temperature of concrete at the time of placing	: 40°C
9	Method of transporting / placing	: Transit mixture / Self Loading Mixer
10	Early age strength requirement (if reqd.)	: Not Applicable
11	Type of aggregate	: Angular
12	Maximum Cement content	: 450 Kg/Cum
13	Type of admixture	: Super plasticizer cum retarder

A-AM 01.04.2019



Dr. R. SIVAKUMAR M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.



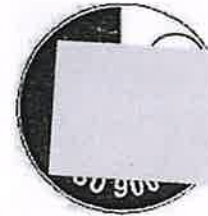
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TEST DATA FOR MATERIALS

Proportion of Coarse aggregate : Fine aggregate			
1	% of C/A to the total weight of aggregate	:	58%
2	% of F/A to the total weight of aggregate	:	42%
Proportions in C/A:			
3	% of 20 mm	:	45%
4	% of 12.5 mm	:	65%
5	Specific gravity of 20 mm	:	2.833
6	Specific gravity of 12.5 mm	:	2.817
7	Combined specific gravity of C/A	:	2.824
8	Water absorption of 20 mm	:	0.365%
9	Water absorption of 12.5 mm	:	0.478%
10	Free surface moisture of 20 mm	:	0.00%
11	Free surface moisture of 12.5 mm	:	0.00%
12	Specific gravity of M-Sand	:	2.727
13	Water absorption of M-Sand	:	1.023%
14	Free surface moisture of M-Sand	:	1.20%
15	Specific Gravity of Cement	:	3.148
16	Specific Gravity of Admixture	:	1.18

MIX CALCULATION

1	Target Mean strength	:	38.25 N/mm ²
2	Water Cement ratio	:	0.39
3	Mass of cement	:	430.000 Kg
4	Mass of water	:	167.700 Kg
5	Dosage of chemical admixture	:	1.25%
6	Mass of chemical admixture	:	5.375 Kg

Handwritten signature and date: A.M. 01.04.2019



Handwritten signature
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head

Department of Civil Engineering,
E.G.S. Pillay Engineering College
Nagapattinam.



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<u>VOLUME OF CONCRETE</u>		:	1.000 Cum
1	Volume of cement	:	0.137 Cum
2	Volume of Water	:	0.168 Cum
3	Volume of Chemical admixture	:	0.005 Cum
4	Volume of all-in-aggregate	:	0.691 Cum
5	Mass of coarse aggregate	:	1132 Kg
	Mass of 20mm	:	509 Kg
	Mass of 12.5mm	:	623 Kg
6	Mass of Fine aggregate (M-Sand)	:	792 Kg

MIX PROPORTION

Ingredients	Per m ³ in SSD Condition	Per bag of cement in SSD Condition
	Kg.	Kg.
Cement	430	50.0
Water	168	22.0
Fine aggregate (M-Sand)	792	92.0
20mm	509	59.2
12.5mm	623	72.4
Chemical admixture	5.375	0.63

Proportion:	Cement	F/A	C/A	Water Cement ratio
		1	1.84	2.63

Slump Retention

	Initial	30'	60'	90'
Slump observation(mm)	Collapse	Collapse	205,210	155,162
Date of Casting	31.03.2019			
No. of Cubes casted	12 No's			

Temperature of Mix: 31.0 °C

Observations: Mix is cohesive

Workability: Good

Supervised by

Note:

- Any correction without attestation will invalidate in this certificate.
- Materials were supplied by the job requester.
- The results relate only to the samples tested.



Head of the Dept.

Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3889/2019

Date: 02.04.2019

CONCRETE MIX DESIGN [M30 RCC] (IS 10262-2019 & IS 456-2000)

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Concrete Mix Design date: 01.04.2019

SOURCES OF MATERIALS

1	Coarse aggregate: 20mm & 12.5mm	: Best Blue Metal, Karur
2	Fine aggregate: M-Sand	: Best Blue Metal, Karur
3	Cement brand	: Dalmia Cement
4	Admixture brand	: Sika India Pvt. Ltd.,

DESIGN STIPULATIONS

1	Grade Designation	: M30 RCC
2	Type of cement	: OPC-53 Grade
3	Max. Nominal Size of aggregate	: 20mm
4	Minimum Cement Content	: 320 Kg/cu.m
5	Maximum Water cement ratio	: 0.45
6	Workability	: 25 - 75mm
7	Exposure conditions	: Moderate
8	Maximum temperature of concrete at the time of placing	: 40°C
9	Method of transporting / placing	: Transit mixture / Self Loading Mixer
10	Early age strength requirement (if reqd.)	: Not Applicable
11	Type of aggregate	: Angular
12	Maximum Cement content	: 450 Kg/Cum
13	Type of admixture	: Super plasticizer cum retarder

AJK 02.04.2019



Dr. R. SIVAKUMAR, M.E., Ph.D.
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Department of Civil Engineering,
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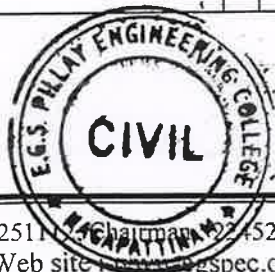
TEST DATA FOR MATERIALS

Proportion of Coarse aggregate : Fine aggregate			
1	% of C/A to the total weight of aggregate	:	58%
2	% of F/A to the total weight of aggregate	:	42%
Proportions in C/A:			
3	% of 20 mm	:	45%
4	% of 12.5 mm	:	65%
5	Specific gravity of 20 mm	:	2.833
6	Specific gravity of 12.5 mm	:	2.817
7	Combined specific gravity of C/A	:	2.824
8	Water absorption of 20 mm	:	0.365%
9	Water absorption of 12.5 mm	:	0.478%
10	Free surface moisture of 20 mm	:	0.00%
11	Free surface moisture of 12.5 mm	:	0.00%
12	Specific gravity of M-Sand	:	2.727
13	Water absorption of M-Sand	:	1.023%
14	Free surface moisture of M-Sand	:	1.20%
15	Specific Gravity of Cement	:	3.148
16	Specific Gravity of Admixture	:	1.18

MIX CALCULATION

1	Target Mean strength	:	38.25 N/mm ²
2	Water Cement ratio	:	0.44
3	Mass of cement	:	405.000 Kg
4	Mass of water	:	178.200 Kg
5	Dosage of chemical admixture	:	0.70%
6	Mass of chemical admixture	:	2.835 Kg

AOM 02.04.2019



Dr. R. SIVAKUMAR M.E., Ph.D.
Professor & Head



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<u>VOLUME OF CONCRETE</u>		:	1.000 Cum
1	Volume of cement	:	0.129 Cum
2	Volume of Water	:	0.178 Cum
3	Volume of Chemical admixture	:	0.002 Cum
4	Volume of all-in-aggregate	:	0.691 Cum
5	Mass of coarse aggregate	:	1131 Kg
	Mass of 20mm	:	509 Kg
	Mass of 12.5mm	:	622 Kg
6	Mass of Fine aggregate (M-Sand)	:	791 Kg

MIX PROPORTION

Ingredients	Per m ³ in SSD Condition	Per bag of cement in SSD Condition
	Kg.	Kg.
Cement	405	50.0
Water	178	22.0
Fine aggregate (M-Sand)	791	97.7
20mm	509	62.9
12.5mm	622	76.8
Chemical admixture	2.835	0.35

Proportion:	Cement	F/A	C/A	Water Cement ratio
		1	1.95	2.79

Slump Retention

	Initial	30'	60'	90'
Slump observation(mm)	168,175	142,135	108,105	74,70
Date of Casting	01.04.2019			
No. of Cubes casted	12 No's			

Temperature of Mix: 31.9 °C

Observations: Mix is cohesive

Workability: Good

A.A.M. 02.04.2019
Supervised by

Note:

1. Any correction without attestation will invalidate this certificate
2. Materials were supplied by the job requester
3. The results relate only to the samples tested.



R. Sivakumar
Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
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(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3891/2019

Date: 07.04.2019

COMPRESSIVE STRENGTH OF CONCRETE MIX DESIGN CUBES [PILE M30] [As per IS:516]

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019 Concrete Mix Design date: 31.03.2019

Grade of Concrete : PILE M30 [Nominal Size of Aggregate: 20mm] Cement Content: 430 Kg/m³

Date of Cubes casting: 31.03.2019 Date of Testing (7 days): 07.04.2019

Characteristic Compressive Strength: 30 N/mm² Target Mean Strength (28 days): 38.25 N/mm²

Size of Cube: 15cm x 15cm x 15cm Volume of cube: 3375cc Area of Cube: 225Cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	1	8571	2.540	7	755	33.56	33.01	
2	2	8678	2.571	7	770	34.22		
3	3	8609	2.551	7	703	31.24		
4	7	8569	2.539	7	678	30.13	31.53	
5	8	8675	2.570	7	750	33.33		
6	9	8631	2.557	7	700	31.11		

Average compressive Strength: 32.27 N/mm² [Target mean strength for 7days: \geq 25.63 N/mm²]

28 days Cubes Compressive Strength test results are awaited.

A. M. 07.04.2019
Supervised by

Note:

- Any correction without attestation will invalidate in this certificate
- Materials were supplied by the job requester.
- The results relate only to the samples tested.



Head of the Dept.

[Signature]
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE

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Consultancy services

(Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3902/2019

Date: 28.04.2019

COMPRESSIVE STRENGTH OF CONCRETE MIX DESIGN CUBES [PILE M30] [As per IS:516]

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Concrete Mix Design date: 31.03.2019

Grade of Concrete : PILE M30 [Nominal Size of Aggregate: 20mm] Cement Content: 430 Kg/m³

Date of Cubes casting: 31.03.2019

Date of Testing (28 days): 28.04.2019

Characteristic Compressive Strength: 30 N/mm²

Target Mean Strength (28 days): 38.25 N/mm²

Size of Cube: 15cm x 15cm x 15cm

Volume of cube: 3375cc

Area of Cube: 225Cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	4	8666	2.568	28	956	42.49	42.61	
2	5	8539	2.530	28	970	43.11		
3	6	8605	2.550	28	950	42.22		
4	10	8557	2.535	28	933	41.47	42.15	
5	11	8587	2.544	28	967	42.98		
6	12	8598	2.548	28	945	42.00		

Average compressive Strength: **42.38** N/mm² [Target mean strength for 28days: \geq 38.25 N/mm²]

28 days Cubes Compressive Strength test results are within the specification limits.

Supervised by
A. M. S. S. S. S.

Note:

- Any correction without attestation will be void.
- Materials were supplied by the job requester.
- The results relate only to the samples tested.



Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
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Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE

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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3892/2019

Date: 08.04.2019

COMPRESSIVE STRENGTH OF CONCRETE MIX DESIGN CUBES [M30 RCC]

[As per IS:516]

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019 Concrete Mix Design date: 01.04.2019

Grade of Concrete : M30 RCC [Nominal Size of Aggregate: 20mm] Cement Content: 405 Kg/m³

Date of Cubes casting: 01.04.2019 Date of Testing (7 days): 08.04.2019

Characteristic Compressive Strength: 30 N/mm² Target Mean Strength (28 days): 38.25 N/mm²

Size of Cube: 15cm x 15cm x 15cm Volume of cube: 3375cc Area of Cube: 225Cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	1	8596	2.547	7	793	35.24	35.14	
2	2	8557	2.535	7	769	34.18		
3	3	8671	2.569	7	810	36.00		
4	7	8625	2.556	7	779	34.62	34.46	
5	8	8601	2.548	7	792	35.20		
6	9	8588	2.545	7	755	33.56		

Average compressive Strength: 34.80 N/mm² [Target mean strength for 7days: \geq 25.63 N/mm²]

28 days Cubes Compressive Strength test results are awaited.

Supervised by

Note:

- Any correction without attestation will invalidate this certificate
- Materials were supplied by the job requestor.
- The results relate only to the samples tested.



Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE

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(Affiliated to Anna University Chennai)



Consultancy services

(Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3903/2019

Date: 29.04.2019

COMPRESSIVE STRENGTH OF CONCRETE MIX DESIGN CUBES [M30 RCC]

[As per IS:516]

To

The Assistant Engineer (Roads)
P.W.D. Karaikal District.

Name of Work : PW-AE(R)-KKL – Construction of bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal District.

Reference : 1642/PW/SDR/KKL-2019-20 Dated: 23.03.2019

Requested on : 24.03.2019

Concrete Mix Design date: 29.01.2019

Grade of Concrete : M30 RCC [Nominal Size of Aggregate: 20mm] Cement Content: 405 Kg/m³

Date of Cubes casting: 01.04.2019

Date of Testing (28 days): 29.04.2019

Characteristic Compressive Strength: 30 N/mm² Target Mean Strength (28 days): 38.25 N/mm²

Size of Cube: 15cm x 15cm x 15cm

Volume of cube: 3375cc

Area of Cube: 225Cm²

S. No.	Cube No.	Weight of Cube g	Density g/cc	Age in days	Failure Load KN	Compressive Strength (N/mm ²)	Average Compressive Strength (N/mm ²)	Remarks
1	4	8577	2.541	28	990	44.00	44.41	
2	5	8672	2.569	28	1033	45.91		
3	6	8578	2.542	28	975	43.33		
4	10	8679	2.572	28	956	42.49	43.16	
5	11	8598	2.548	28	988	43.91		
6	12	8659	2.566	28	969	43.07		

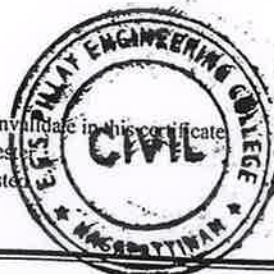
Average compressive Strength: 43.79 N/mm² [Target mean strength for 28days: \geq 38.25 N/mm²]

28 days Cubes Compressive Strength test results are within the specification limits.

A. M. 29.04.2019
Supervised by

Note:

1. Any correction without attestation will invalidate this certificate
2. Materials were supplied by the job requester
3. The results relate only to the samples tested



R. S. 29.04.19
Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering
E.G.S. Pillay Engineering College,
Nagapattinam.

Public Works Department
Water Resources Organization

From
Er.S. Gnanasekaran, B.E.,
Executive Engineer, PWD/WRD,
Project Implementation Unit-II,
Nagapattinam

To
Head of the Department,
Department of Civil Engineering.,
EGS Pillai Engineering Collage,
Nagapattinam

Lr.No: DB/DO/ADB/2020/ Dated: 04.02.2020

Sub: ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction works on Harichandranathi– from LS 121.260 km to 160.210 Km & Lawford Straight Cut from LS 0.00 Km to 3.900 Km. – Lab Testing – **Lab testing – Wet Mix Macadam (WMM) samples- (3 samples)-** Regarding.


Sir,

With reference to the above subject, we would like to submit **Wet Mix Macadam (WMM) Samples- 3 No.s, collected from Stock yard @ Sithaimoor Railway Bride.**

Source of Material: Sri Murugan Metals, Padalur

Kindly conduct the following necessary tests on the above said samples may please be tested as per the above and reported its suitability against as per MoRT&H V Table-400-12& Table-400-13 (Wet Mix Macadam) at the earliest.

Encl: As stated above

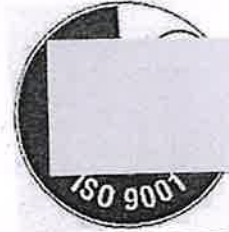

Executive Engineer, PWD/WRD.,,
Project Implementation Unit-II,
Nagapattinam.



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Consultancy services (Department of Civil Engineering)

Date: 10.02.2020

Ref. No. EGSPEC/MTR/3387/2020

1. Name of the Client : **The Executive Engineer.,**
Project Implementation Unit-II
Nagapattinam.
2. Client Reference No: Lr.No: DB/DO/ADB/2020/ Dated: 03.02.2020
3. Name of the Work : ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction works on Harichandranathi– from LS 121.260 km to 160.210 Km & Lawford Straight Cut from LS 0.00 Km to 3.900 Km.
4. Sample details : **Wet Mix Macadam (WMM) samples – 3 No.s**
(Stockyard & Sithaimoor Railway Bridge)
5. Sample received : 04.02.2020
6. Sample test date : 05.02.2020
7. Test conducted by : Mr. A. Arjunan. Assistant Professor.

Encl: Test Report

Head of the Department

Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.



EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
 OLD NAGORE ROAD - NAGAPATTINAM TAMILNADU 611002

Bill No
 Name
 Roll No
 YEAR

1040
 W.R.O /NAGAI

RECEIPT

Date

Course

Mode of Payment

: 10-Feb-2015

: Cash

Fees Type	Amount
TESTING BILL	19400
Rupees: nineteen Thousand four Hundred Fifty Only	

19400.00

AMOUNT WILL NOT BE REFUNDED



Payee's Signature and Name

[Signature]

Accountant

[Signature]
 Cashier

[Signature]
 Executive Engineer, PWD/WRD.,,
 Project Implementation Unit-II,
 Nagapattinam.

TEST REPORT ON SOIL ANALYSIS

Project Name: Infrastructure improvement and reconstruction works on Harichandranathi from L.S 121.260 Km to 160.200 Km & Lawford straight cut L.S 0.0 to 3.90 Km.

Soil Samples collected @ L.S 154.200 Km to 154.650 Km [Left Bank], & L.S 155.700 Km to 156.300 Km [Left Bank] & 156.300 Km to 156.750 Km [Left Bank]

Sample No.	Sample Location	Side	Free Swell Index (%)	Grain Size Analysis					Classification of Soil as per IS: 1498-1970	Atterberg's Limit			Modified Proctor		Remarks
				Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Total Fineness		LL (%)	PL (%)	PI (%)	MDD (g/cc)	OMC (%)	
1	154.400	Left Bank	26.32	1	46	30	23	51	ML-CL	24.10	18.05	6.05	1.797	14.13	
2	156.150	Left Bank	25.00	0	44	32	24	56	ML-CL	25.13	18.25	6.88	1.792	14.25	
3	156.400	Left Bank	29.41	0	44	29	27	56	CL	25.55	17.42	8.13	1.782	15.20	
4	156.650	Left Bank	30.00	0	45	27	27	54	ML-CL	24.33	18.38	5.95	1.807	13.80	

Note: As furnished by the customer, the results related to the item tested

Supervised by
A. J. M. [Signature]

[Signature]
10/12/20
Dr. M. S. K. KUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagappattinam.

Public Works Department
Water Resources Organization

From
Er.S. Gnanasekaran, B.E.,
Executive Engineer, PWD/WRD,
Project Implementation Unit-II,
Nagapattinam

To
Head of the Department,
Department of Civil Engineering.,
EGS Pillai Engineering Collage,
Nagapattinam

Lr.No: DB/DO/ADB/2019/ Dated: 28.11.2019

Sub: ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction works on Harichandranathi– from LS 121.260 km to 160.210 Km & Lawford Straight Cut from LS 0.00 Km to 3.900 Km. – Lab Testing – **Lab testing – Granular Sub-Base (GSB) Grading-v samples - (3 samples)-** Regarding.


Sir,

With reference to the above subject, we would like to submit **GSB Samples, collected from Stock yard @ Alangudi Regulator.**

Source of Material: Sri Murugan Metals, Padalur

Kindly conduct the following necessary tests on the above said samples may please be tested as per the above and reported its suitability against as per MoRT&H V Table-400-1 Grading-V & Table-400-2 (Granular Sub-Base) at the earliest.

Encl: As stated above


Executive Engineer, PWD/WRD.,,
Project Implementation Unit-II,
Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

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(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

Date: 06.12.2019

Ref. No. EGSPEC/MTR/3319/2019

1. Name of the Client : **The Executive Engineer.,**
Project Implementation Unit-II
Nagapattinam.
2. Client Reference No: Lr.No: DB/DO/ADB/2019/ Dated: 28.11.2019
3. Name of the Work : **ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction**
works on Harichandranathi– from LS 121.260 km to 160.210 Km &
Lawford Straight Cut from LS 0.00 Km to 3.900 Km.
4. Sample details : **Granular Sub Base (GSB Grading V) samples – 3 No.s**
(Stockyard & Alangudi Regulator)
5. Sample received : 28.11.2019
6. Sample test date : 30.11.2019
7. Test conducted by : Mr. A. Arjunan. Assistant Professor.

Encl: Test Report


Head of the Department

Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
 OLD NAGORE ROAD - NAGAPATTINAM TAMILNADU 611002**

RECEIPT

Bill No : 946
 Name : W.R.O /NAGAI
 Roll No :
 YEAR :
 Date : 06-DEC-2019
 Course :
 Mode of Payment : Cash

Fees Type	Amount
TESTING BILL	24250
Rupees : Twenty four Thousand two Hundred Fifty Only	
	24250.00

AMOUNT WILL NOT BE REFUNDED

Payee's Signature and Name

Accountant



Cashier

Head of the Department
Dr. R. SIVAKUMAR, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagappattinam.

TEST REPORT ON SOIL ANALYSIS

from L.S 121.260 Km to 160.200 Km &

Project Name: Infrastructure improvement and reconstruction works on Harichandranathi from L.S 121.260 Km to 160.200 Km & Lawford straight cut L.S 0.0 to 3.90 Km.

Soil Samples collected @ - L.S 148.400 Km to 149.200 Km [Left Bank], & L.S 149.650 Km to 150.800 Km [Left Bank]

Sample No.	Sample Location	Side	Free Swell Index (%)	Grain Size Analysis				Classification of Soil as per IS: 1498-1970	Atterberg's Limit			Modified Proctor		Remarks	
				Gravel (%)	Sand (%)	Silt (%)	Clay (%)		Total Fineness	LL (%)	PL (%)	PI (%)	MDD (g/cc)		OMC (%)
1	148.700	Left Bank	33.33	0	46	27	27	54	CL	25.89	17.49	8.40	1.827	14.55	
2	149.050	Left Bank	30.00	0	47	25	28	53	CL	24.98	17.87	7.11	1.815	14.30	
3	149.950	Left Bank	31.59	1	48	31	20	51	ML-CL	24.57	18.52	6.05	1.807	13.75	
4	150.350	Left Bank	38.89	1	47	28	24	52	CL	26.77	17.35	9.42	1.814	15.40	
5	150.600	Left Bank	30.00	0	49	30	21	51	ML-CL	24.66	18.13	6.53	1.802	15.15	

Note: As furnished by the customer, the results related to the item tested

A. Anand
Supervised by

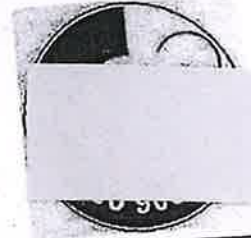
R. Sivakumar
Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagappattinam.



E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2015 Certified Institution)
(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
(Affiliated to Anna University Chennai)




Consultancy services (Department of Civil Engineering)

Date: 06.12.2019

Ref. No. EGSPEC/MTR/3319/2019

1. Name of the Client : **The Executive Engineer.,
Project Implementation Unit-II
Nagapattinam.**
2. Client Reference No: Lr.No: DB/DO/ADB/2019/ Dated: 28.11.2019
3. Name of the Work : **ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction
works on Harichandranathi– from LS 121.260 km to 160.210 Km &
Lawford Straight Cut from LS 0.00 Km to 3.900 Km.**
4. Sample details : **Granular Sub Base (GSB Grading V) samples – 3 No.s
(Stockyard & Alangudi Regulator)**
5. Sample received : 28.11.2019
6. Sample test date : 30.11.2019
7. Test conducted by : **Mr. A. Arjunan. Assistant Professor.**

Encl: Test Report


Head of the Department
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

TEST REPORT ON SOIL ANALYSIS

TEST REPORT ON SOIL ANALYSIS
 from L.S 121.260 Km to 160.200 Km &

works on Harichandranathi from L.S 121.260 Km to 160.200 Km [Left Bank]

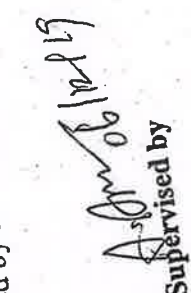
Project Name: Infrastructure improvement and reconstruction works on Harichandranathi from L.S 121.260 Km to 160.200 Km [Left Bank]

Lawford straight cut L.S 0.0 to 3.90 Km.

Soil Samples collected @ - L.S 148.400 Km to 149.200 Km [Left Bank], & L.S 149.650 Km to 150.800 Km [Left Bank]

Sample No.	Sample Location	Side	Free Swell Index (%)	Grain Size Analysis					Classification of Soil as per IS: 1498-1970	Atterberg's Limit			Modified Proctor		Remarks
				Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Total Fineness		LL (%)	PL (%)	PI (%)	MDD (g/cc)	OMC (%)	
1	148.700	Left Bank	33.33	0	46	27	27	54	CL	25.89	17.49	8.40	1.827	14.55	
2	149.050	Left Bank	30.00	0	47	25	28	53	CL	24.98	17.87	7.11	1.815	14.30	
3	149.950	Left Bank	31.59	1	48	31	20	51	ML-CL	24.57	18.52	6.05	1.807	13.75	
4	150.350	Left Bank	38.89	1	47	28	24	52	CL	26.77	17.35	9.42	1.814	15.40	
5	150.600	Left Bank	30.00	0	49	30	21	51	ML-CL	24.66	18.13	6.53	1.802	15.15	

Note: As furnished by the customer, the results related to the item tested


 Supervised by

Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagappattinam.

Public Works Department
Water Resources Organization

From
Er.S. Gnanasekaran, B.E.,
Executive Engineer, PWD/WRD,
Project Implementation Unit-II,
Nagapattinam

To
Head of the Department,
Department of Civil Engineering.,
EGS Pillai Engineering Collage,
Nagapattinam

Lr.No: DB/DO/ADB/2019/ Dated: 26.11.2019

Sub: ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction works on Harichandranathi– from LS 121.260 km to 160.210 Km & Lawford Straight Cut from LS 0.00 Km to 3.900 Km. – Lab Testing – **Lab testing - Blanket Course samples [Gravel:70% + Sand: 30%] - (3 samples)-** Regarding.

Sir,


With reference to the above subject, we would like to submit **Blanket course Samples [Gravel:70% + Sand: 30%] - (3 samples)- collected from stock yard @ Brinjumoolai.**

Kindly conduct the following necessary tests on the above said sample

Grain size Analysis	-	as per IS:2720 (Part-4)
Free Swell Index	-	as per IS:2720(Part-40)
LL/PL	-	as per IS:2720 (Part-5)
MDD/OMC	-	as per IS:2720 (Part-8)
CBR Value	-	as per IS:2720 (Part-16)

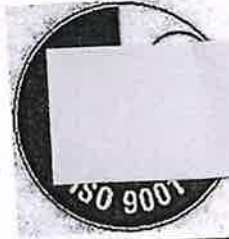
The sample may please be tested as per the above and reported its suitability against IS:2720 at the earliest.

Encl: As stated above


Executive Engineer, PWD/WRD.,,
Project Implementation Unit-II,
Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.
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(Affiliated to Anna University Chennai)



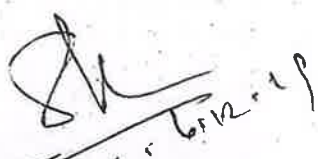
Consultancy services
(Department of Civil Engineering)

Date: 06.12.2019

Ref. No. EGSPEC/MTR/3317/2019

1. Name of the Client : **The Executive Engineer.,**
Project Implementation Unit-II
Nagapattinam.
2. Client Reference No: Lt.No: DB/DO/ADB/2019/ Dated: 26.11.2019
3. Name of the Work : **ADB - CAVSCD Project - Infrastructure Improvements and Reconstruction**
works on Harichandranathi- from LS 121.260 km to 160.210 Km &
Lawford Straight Cut from LS 0.00 Km to 3.900 Km.
4. Sample details : **Blanket Course -3 samples [Gravel:70% + Sand: 30%]**
(Stock yard @ Brinjumoolai)
5. Sample received : 27.11.2019
6. Sample test date : 28.11.2019
7. Test conducted by : Mr. A. Arjunan. Assistant Professor.

Encl: Test Report


Head of the Department
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
 OLD NAGORE ROAD - NAGAPATTINAM TAMILNADU 611002

RECEIPT

Bill No : 949
 Name : W.R.O /NAGAI
 Roll No :
 YEAR :
 Date : 06-DEC-2019
 Course :
 Mode of Payment : Cash

Fees Type	Amount
TESTING BILL	7500
Rupees : Seven Thousand Five Hundred Only	
	7500.00

AMOUNT WILL NOT BE REFUNDED



[Signature]
 Payee's Signature and Name

[Signature]
 Accountant

[Signature]
 Cashier

2.36	21.9	22.5	21.1	22.0
600 microns	17.3	18.1	17.0	17.5
75 microns	3.1	3.5	2.7	3.1

Note: As furnished by the customer, the results related to the item tested.

[Signature] 06.12.2019
 Supervised By.

[Signature]
 Dr. R. SIVAKUMAR M.
 Professor & Head
 Department of Civil Engin
 E.G.S. Pillay Engineering C

TEST REPORTS ON WET MIX MACADAM [WMM]

Project Name: Infrastructure improvement and reconstruction works on Harichandranathi from L.S 121.260 Km to 160.200 Km.

Source of Material: Sri Murugan Metals, Padalur.

Location: Stock yard @ Sithaimoor Railway Bridge

As per MoRT&H -V Table- 400-12 Physical requirement for Coarse Aggregates for Wet Mix Macadam

S.No	Type of Test	Test method	Achieved values	As per Specification Limit
1	Aggregate Impact Value (AIV)	IS:2386 Part-4	17.55 %	Maximum: 30 %
2	<u>Atterberg's Limits</u> Limit Liquid Limit Plasticity Index	IS:2720 Part-5	19.10 % Non-Plasticity	≤: 6%
3	Water Absorption	IS:2386 Part-3	0.41 %	Maximum: 2%
4	Proctor Compaction (MDD/OMC)	IS:2720 Part-8	MDD: 2.430 g/cc OMC: 6.15%	-
5	Combined Flakiness and Elongation indices (Total)	IS:2386 Part-1	29.55 %	Maximum: 35%

As per MoRT&H -V Table 400-13 Grading Requirements of Aggregates for Wet Mix Macadam

Sieve size (mm)	Grain size distribution (% by Weight of Passing)			Average% Passing (Achieved)	Specification limits as per MoRT&H V, Table 400-13
	Sample-01	Sample-02	Sample-03		
53.0	100	100	100	100	100
45.0	98.5	100	97.7	98.7	95-100
22.4	67.5	73.2	69.9	70.2	60-80
11.2	50.3	53.1	47.2	50.2	40-60
4.75	33.7	34.1	32.9	33.6	25-40
2.36	21.9	22.5	21.7	22.0	15-30
600 microns	17.3	18.1	17.0	17.5	8-22
75 microns	3.1	3.5	2.7	3.1	0-5

Note: As furnished by the customer, the results related to the item tested.

Supervised By.


Dr. R. SIVAKUMAR M.E., Ph.D.
 Head of Department
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagappattinam.

Public Works Department

Water Resources Organization

From
Er.S. Gnanasekaran, B.E.,
Executive Engineer, PWD/WRD,
Project Implementation Unit-II,
Nagapattinam

To
Head of the Department,
Department of Civil Engineering.,
EGS Pillai Engineering Collage,
Nagapattinam

Lr.No: DB/DO/ADB/2019/ Dated: 22.11.2019

Sub: ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction works on Harichandranathi– from LS 121.260 km to 160.210 Km & Lawford Straight Cut from LS 0.00 Km to 3.900 Km. – Lab Testing – Lab testing - Gravel samples - (3 samples)- Regarding.

Sir,


With reference to the above subject, we would like to submit Gravel Samples (3 samples)- collected from stock yard @ Brinjumoolai.

Kindly conduct the following necessary tests on the above said sample

Grain size Analysis	-	as per IS:2720 (Part-4)
Free Swell Index	-	as per IS:2720(Part-40)
LL/PL	-	as per IS:2720 (Part-5)
MDD/OMC	-	as per IS:2720 (Part-8)
CBR Value	-	as per IS:2720 (Part-16)

The sample may please be tested as per the above and reported its suitability against IS:2720 at the earliest.

Encl: As stated above


Executive Engineer, PWD/WRD.,,
Project Implementation Unit-II,
Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2015 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3313/2019

Date: 03.12.2019

1. Name of the Client : **The Executive Engineer.,**
Project Implementation Unit-II
Nagapattinam.
2. Client Reference No: Lr.No: DB/DO/ADB/2019/ Dated: 22.11.2019
3. Name of the Work : ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction works on Harichandranathi– from LS 121.260 km to 160.210 Km & Lawford Straight Cut from LS 0.00 Km to 3.900 Km.
4. Sample details : **Gravel -3 samples (Stock yard @ Brinjumoolai)**
5. Sample received : 22.11.2019
6. Sample test date : 25.11.2019
7. Test conducted by : Mr. A. Arjunan. Assistant Professor.

Encl: Test Report

Head of the Department
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
OLD NAGORE ROAD - NAGAPATTINAM TAMILNADU 611002



Bill No
 Name
 Roll No
 YEAR

RECEIPT

Date : 03-Dec-2019
 Course :
 Mode of Payment : Cash
 Bill No : 825
 Name : W.R.O /NAGAI
 Roll No :
 YEAR :

Fees Type	Amount
TESTING BILL	15250
Rupees: fifteen Thousand two Hundred Fifty Only	
15250.00	

AMOUNT WILL NOT BE REFUNDED



[Signature]
 Cashier

[Signature]
 Accountant

[Signature]
 Payees Signature and Name

GSB Grading-V)

Shandranathi from L.S 121.260
 n.

Materials

Percentage (%) (Achieved)	Specification limits as per MoRT&H V, Table 400-1, Grading V
100	100
94.2	80-100
68.5	55-90
40.1	35-65
31.9	25-50
18.2	10-20
8.2	2-10
3.6	0-5

-Base Materials

Values	As per Specification Limit
%	Maximum: 40 %
% Density	Maximum: 25% Minimum: 6%
%	Maximum: 2%
g/cc	-
	Minimum: 30%

CBR at 98% Compaction

IS:2720 Part-16

76.8 %

Minimum: 30%

Note: As furnished by the customer, the results related to the item tested.

[Signature] 03.12.2019
 Supervised By

[Signature]
 Dr. R. SIVAKUMAR, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College.

EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
OLD NAGORE ROAD - NAGAPATTINAM TAMILNADU 611002



Bill No
Name
Roll No
YEAR

: 940
: W.R.O /NAGAI

RECEIPT

Date

: 03-Dec-2019

Course

: Cash

Mode of Payment

Fees Type	Amount
TESTING BILL	15250

Rupees: fifteen.Thousand two Hundred Fifty Only 15250.00



AMOUNT WILL NOT BE REFUNDED

Accountant

Cashier

Payee's Signature and Name

[Signature]

Note: As furnished by the customer, the results related to the item tested.

Supervised By *A. GM 03.12.2019*

TEST REPORTS ON GRANULAR SUB-BASE (GSB Grading-V)

Project Name: Infrastructure improvement and reconstruction works on Harichandranathi from L.S 121.260 Km to 160.200 Km & Lawford straight cut L.S 0.0 to 3.90 Km.

Source of Material: Sri Murugan Metals, Padalur

Location: Stock yard @ Sithaimoor Railway Bridge.

Table 400-1 Grading for Granular Sub-Base Materials

Sieve size (mm)	Grain size distribution (% by Weight of Passing)			Average% Passing (Achieved)	Specification limits as per MoRT&H V, Table 400-1, Grading V
	Sample-01	Sample-02	Sample-03		
75.0	100	100	100	100	100
53.0	92.5	93.9	96.2	94.2	80-100
26.5	70.5	68.8	66.3	68.5	55-90
9.50	38.5	40.1	41.8	40.1	35-65
4.75	31.5	33.2	31.0	31.9	25-50
2.36	18.5	17.2	18.8	18.2	10-20
0.850	7.9	8.5	8.1	8.2	2-10
0.425	3.7	4.0	3.1	3.6	0-5

Table- 400-2 Physical requirement for Granular Sub-Base Materials

S.No	Type of Test	Test method	Achieved values	As per Specification Limit
1	Aggregate Impact Value (AIV)	IS:2386 Part-4	18.25 %	Maximum: 40 %
2	<u>Atterberg's Limits</u> Limit Liquid Limit Plasticity Index	IS:2720 Part-5	19.20 % Non-Plasticity	Maximum: 25% Minimum: 6%
3	Water Absorption	IS:2386 Part-3	0.45 %	Maximum: 2%
4	Proctor Compaction (MDD/OMC)	IS:2720 Part-8	MDD: 2.422 g/cc OMC: 5.90%	-
5	CBR at 98% Compaction	IS:2720 Part-16	76.8 %	Minimum: 30%

Note: As furnished by the customer, the results related to the item tested.

A.M. 03.12.2019
Supervised By

[Signature]
Dr. **RESHMIKUMAR**, M.E., Ph.D.
Professor & Head

Public Works Department
Water Resources Organization

From
Er.S. Gnanasekaran, B.E.,
Executive Engineer, PWD/WRD,
Project Implementation Unit-II,
Nagapattinam

To
Head of the Department,
Department of Civil Engineering.,
EGS Pillai Engineering Collage,
Nagapattinam

Lr.No: DB/DO/ADB/2019/ Dated: 20.04.2019

Sub: ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction works on Harichandranathi– from LS 121.260 km to 160.210 Km & Lawford Straight Cut from LS 0.00 Km to 3.900 Km. – Lab Testing – .Lab testing – Soil samples L.S 154.200 Km to 154.650 Km [Left Bank], & L.S 155.700 Km to 156.300 Km [Left Bank] & 156.300 Km to 156.750 Km [Left Bank]- Regarding.

Sir,

With reference to the above subject, We hereby would like to submit Soil Samples, collected from L.S 154.200 Km to 154.650 Km [Left Bank], & L.S 155.700 Km to 156.300 Km [Left Bank] & 156.300 Km to 156.750 Km [Left Bank].

Location of Samples:


S. No.	Sample Location (Km)
1	154.400
3	156.150
3	156.400
4	156.650

Kindly conduct the following necessary tests on the above said samples

Grain size Analysis	-	as per IS:2720 (Part-4)
Free Swell Index	-	as per IS:2720(Part-40)
LL/PL	-	as per IS:2720 (Part-5)
MDD/OMC	-	as per IS:2720 (Part-8)

The sample may please be tested as per the above and reported its suitability against IS:1498-1970 at the earliest.

Encl: As stated above


Executive Engineer, PWD/WRD.,,
Project Implementation Unit-II,
Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2015 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
(Affiliated to Anna University Chennai)




Consultancy services (Department of Civil Engineering)

Date: 02.05.2019

Ref. No. EGSPEC/MTR/3228/2019

1. Name of the Client : **The Executive Engineer.,**
Project Implementation Unit-II
Nagapattinam.
2. Client Reference No: Lr.No: DB/DO/ADB/2019/ Dated: 20.04.2019
3. Name of the Work : ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction works on Harichandranathi– from LS 121.260 km to 160.210 Km & Lawford Straight Cut from LS 0.00 Km to 3.900 Km.
4. Sample details : Soil [5 Nos.]
L.S 154.200 Km to 154.650 Km [Left Bank], & L.S 155.700 Km to 156.300 Km [Left Bank] & 156.300 Km to 156.750 Km [Left Bank]
5. Sample received : 22.04.2019
6. Sample test date : 24.04.2019
7. Test conducted by : Mr. A. Arjunan. Assistant Professor.

Encl: Test Report


Head of the Department
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.

**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
OLD NAGORE ROAD - NAGAPATTINAM TAMILNADU 611002**



RECEIPT

Bill No : 690
Name : W.R.O /NAGAI
Roll No :
YEAR :
Date : 02-May-2019
Course :
Mode of Payment : Cash

[Signature]
Supervised By

Fees Type	Amount
TESTING BILL	10550

Rupees : Ten Thousand five Hundred Fifty Only 10550.00



AMOUNT WILL NOT BE REFUNDED

[Signature]

Payee's Signature and Name

[Signature]
Cashier

[Signature]
Accountant

Head of the Dept
Dr. R. SIVAKUMAR
Professor & H
Department of Civil En
E.G.S. Pillay Engineer
Nagappattina

TEST REPORT ON BLANKET COURSE

Project Name: Infrastructure improvement and reconstruction works on Harichandranathi from L.S 121.260 Km to 160.200 Km & Lawford straight cut L.S 0.0 to 3.90 Km.

Location: Blanket Course (Stock yard @ Brinjumoolai)

[Gravel: 70% + Sand 30%]

Sample ID	Grain Size Analysis			Free Swell Index (%)	Atterberg's Limit			Modified Proctor		CBR Value @ 97% Compaction
	Gravel (%)	Sand (%)	Silt & Clay (%)		LL (%)	PL (%)	PI (%)	MDD (g/cc)	OMC (%)	
Sample-01	33.5	60.9	5.6	10.00	20.95	18.37	2.58	2.178	8.25	16.16
Sample-02	34.5	58.9	6.6	11.11	21.35	17.99	3.36	2.155	8.30	-
Sample-05	32.8	61.3	5.9	15.00	20.70	18.15	2.55	2.175	8.00	17.18

Note: As furnished by the customer, the results related to the item tested

A. Am 2.5.19
Supervised By

[Signature]
Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagappattinam.

Public Works Department
Water Resources Organization

From
Er.S. Gnanasekaran, B.E.,
Executive Engineer, PWD/WRD,
Project Implementation Unit-II,
Nagapattinam

To
Head of the Department,
Department of Civil Engineering.,
EGS Pillai Engineering Collage,
Nagapattinam

Lr.No: DB/DO/ADB/2019/ Dated: 09.04.2019

Sub: ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction works on Harichandranathi– from LS 121.260 km to 160.210 Km & Lawford Straight Cut from LS 0.00 Km to 3.900 Km. – Lab Testing – .Lab testing – Soil samples - L.S 148.400 Km to 149.200 Km [Left Bank], & L.S 149.650 Km to 150.800 Km [Left Bank]- Regarding.

Sir,

With reference to the above subject, We hereby would like to submit **Soil Samples**, collected from L.S 148.400 Km to 149.200 Km [Left Bank], & L.S 149.650 Km to 150.800 Km [Left Bank]

Location of Samples:


S. No.	Sample Location (Km)
1	148.700
2	149.050
3	149.950
4	150.350
5	150.600

Kindly conduct the following necessary tests on the above said samples

Grain size Analysis	-	as per IS:2720 (Part-4)
Free Swell Index	-	as per IS:2720(Part-40)
LL/PL	-	as per IS:2720 (Part-5)
MDD/OMC	-	as per IS:2720 (Part-8)

The sample may please be tested as per the above and reported its suitability against IS:1498-1970 at the earliest.

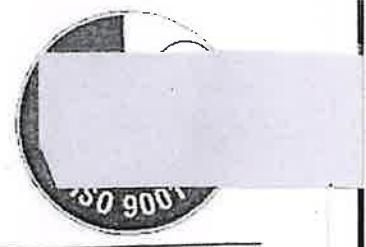
Encl: As stated above


Executive Engineer, PWD/WRD.,
Project Implementation Unit-II,
Nagapattinam.

**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
 OLD NAGORE ROAD - NAGAPATTINAM TAMILNADU 611002**

E.G.S. PILLAY ENGINEERING COLLEGE
 NAGAPATTINAM - 611 002.
 (Autonomous Institution)

Tamil Nadu)



Date: 18.04.2019

RECEIPT
 Bill No : 642
 Name : W.R.O /NAGAI
 Roll No :
 YEAR :
 Date : 18-Apr-2019
 Course :
 Mode of Payment : Cash

Fees Type	Amount
TESTING BILL	10550
Rupees: Ten Thousand fiveHundred Fifty Only	
	10550.00

AMOUNT WILL NOT BE REFUNDED



Payee's Signature and Name

Accountant

Cashier

19
 improvements and Reconstruction
 0 km to 160.210 Km &
 900 Km.
 & L.S 149.650 Km

Head of the Department
Dr. R. SIVAKUMAR, M.E., Ph.D.
 Professor & Head
 Department of Civil Engineering,
 E.G.S. Pillay Engineering College,
 Nagappattinam.



Bill No
 Name
 Roll No
 YEAR



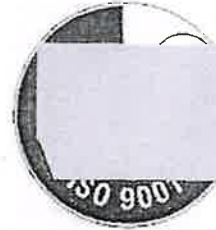
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(Affiliated to Anna University Chennai)



Consultancy services

(Department of Civil Engineering)

Ref. No. EGSPEC/MTR/3219/2019

Date: 18.04.2019

1. Name of the Client : **The Executive Engineer.,**
Project Implementation Unit-II
Nagapattinam.
2. Client Reference No: Lr.No: DB/DO/ADB/2019/ Dated: 09.04.2019
3. Name of the Work : ADB – CAVSCD Project – Infrastructure Improvements and Reconstruction works on Harichandranathi– from LS 121.260 km to 160.210 Km & Lawford Straight Cut from LS 0.00 Km to 3.900 Km.
4. Sample details : Soil [5 Nos.]
L.S 148.400 Km to 149.200 Km [Left Bank], & L.S 149.650 Km to 150.800 Km [Left Bank]
5. Sample received : 10.04.2019
6. Sample test date : 12.04.2019
7. Test conducted by : Mr. A. Arjunan. Assistant Professor.

Encl: Test Report

Head of the Department
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam.


TEST REPORT ON GRAVEL


Project Name: Infrastructure improvement and reconstruction works on Harichandranathi from L.S 121.260 Km to 160.200 Km & Lawford straight cut L.S 0.0 to 3.90 Km.

Location: Stock yard @ Brinjumoolai

Sample ID	Grain Size Analysis			Free Swell Index (%)	Atterberg's Limit			Modified Proctor		CBR Value @ 97% Compaction
	Gravel (%)	Sand (%)	Silt & Clay (%)		LL (%)	PL (%)	PI (%)	MDD (g/cc)	OMC (%)	
Sample-01	37.8	48.5	13.7	11.11	22.15	16.20	5.95	2.195	7.55	18.05
Sample-02	39.9	47.9	12.2	16.67	23.10	16.35	6.75	2.190	7.95	-
Sample-03	38.8	49.3	11.9	15.00	21.60	15.94	5.66	2.180	8.10	17.47

Note: As furnished by the customer, the results related to the item tested


Supervised By


Head of the Dept.
Dr. R. SIVAKUMAR, M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.S.S. Pillay Engineering College,
Nagappattinam.

CONSULTANCY WORK
TEXTILE SHOP BILLING SYSTEM

(Ref.No: EGSPEC/CW/CSE/2019/01)

CUSTOMER DETAIL
RICH TRENDS MEN'S WEAR
27-B, Main Road, Porayar – 609307

Coordinator(s)

Dr.T.GANESAN

PROFESSOR

Mr.G.ARUL SELVAN

ASSISTANT PROFESSOR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
E.G.S PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM – 611 002,
TAMIL NADU

<http://www.egspec.org>

Ph: 04365 – 251112

E.G.S PILLAY ENGINEERING COLLEGE (Autonomous), NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Consultancy Work

“TEXTILE SHOP BILLING SYSTEM”

CONTENTS

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E. G.S.PILLAY ENGINEERING COLLEGE (Autonomous)

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(Accredited by NAAC with 'A' Grade & NBA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

10/07/2019

Ref. No: EGSPEC/CW/CSE/2019/01

To

Mr.G.Siva,
Proprietor, Rich Trends Men's Wear,
27-B, Main Road,
Porayar- 609307.

Dear sir

Sub: Consultancy Work – Reg

Greetings from E.G.S. Pillay Engineering College (Autonomous), Nagapattinam

We wish to inform that we are one of the best engineering institutions in Nagapattinam district. We have 25 years of experience in producing world class engineers. Many of our students are working abroad also. We are happy to inform you that we have developed many consultancy works for various purposes. We are also doing consultancy work for Textile Shop Billing System. This software will helps you to maintain day to day sales along with stock details. This also will generate bill for each sale. Herewith, we attach d the institution and department profiles for your kind reference.

Kindly let us know about your requirements if you need any consultancy service with us. Here by I have attached our institutional details, some of the consultancy work so far did and my profile.

Expecting a positive reply from your side

Thanking you,



Yours sincerely

(Dr.T.Ganesan)

Contact Details

Dr.T.Ganesan, Professor,
Prof.G.Arul Selvan, Assistant Professor,
Department of Computer Science and Engineering
E.G.S. Pillay Engineering College (Autonomous), Nagapattinam
Email Id: ganesan.t@egspec.org
Contact No: 9940742877

1. INSTITUTION PROFILE

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2nd January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19th year of excellent service in the year of 2014. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,

The college offers 7 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

UG Courses:

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology
- B.E – Biomedical Engineering

PG Courses:

- Master of Business Administration
- Master of Computer Applications

M.E – Manufacturing Engineering
M.E – Computer Science and Engineering
M.E – Communication Systems
M.E – Power Electronics and Drives

Vision:

- Envisioned to transform our institution into a “Global Center of Academic Excellence”

Mission:

- To provide world class education to the students and to bring out their inherent talents.
- To establish state-of-the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes.
- To recruit competent faculty and staff and to provide opportunity to upgrade their knowledge and skills.
- To have regular interaction with the the industries in the areas of R&D and offer consultancy training and testing services.
- To establish center of excellence in the emerging areas of research
- To offer continuing education, and non-formal vocational education programmes that are beneficial to the society.

2. DEPARTMENT PROFILE

The department has well qualified and experienced staff and it continually updates its laboratories with modern facilities. The department conducts various seminars and workshop periodically. Various associations are formed related to the department. The students are given different mini-projects in the pre-final year so that their individual ideas can be implemented. The staff and students are encouraged to present papers at various colleges and many have won prizes in the face of stiff competitions.

Vision:

- To produce globally competent computer professionals capable of adaptive to the ever-changing technological trends of Industry and Society.

Mission:

- To build the core competence desirable for a computer professional such as design, development, testing and maintenance of software systems to work in real world projects excelling the expected standards of Industries.
- To train the students to acquire high demand skills of emerging technologies to make them preferable for employers.
- To provide state-of-the-art learning facilities for effective implementation of learner centric teaching-learning process to develop professional skills, self-learning and lifelong learning capabilities.

PROGRAMME EDUCATIONAL OBJECTIVES

The current PEO statements targeted for B.E – Computer Science & Engineering are given below.

PEO1: To develop strong knowledge and skills in the domain of Computer Science and Engineering for leading a successful career in industries or entrepreneurial endeavours.

PEO2: To prepare and assist the graduates to be successful in higher education and research activities in the theory and application of computing related engineering fields.

PEO3: To train the graduates to learn and adapt to the ever-changing world of technology.

PROGRAM SPECIFIC OUTCOMES

The graduates will have

PSO1: The ability to apply software engineering principles and practices to design and develop software systems that meet the automation needs of industrial and societal problems.

PSO2: The ability to apply the technical skills and knowledge gained in the fields such as Artificial Intelligence, Data Science, Cloud Computing, Social Network Analysis & Mobile Application development.

PROGRAMME OUTCOMES

Graduates will be able to

PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Understand the impact of the professional engineering solutions in societal and

environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

PEOs	PO												PSO	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2
1	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓
2	✓	✓		✓	✓					✓	✓		✓	✓
3						✓	✓	✓	✓			✓		

Courses Offered

B.E – Computer Science & Engineering.
M.E – Computer Science & Engineering.
Ph.D/M.S(By Research)

Association Name

CEA – Computer Engineers Association

Features of the Department

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields
- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programmer like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department library has an extensive collection of academic books in the areas of latest technologies
- The department has stable, highly qualified and experienced staff members in the staff student ratio of 1:15

Laboratory facilities

All the laboratories are well equipped with high end systems to satisfy the present day technologies. The students can train themselves in the Laboratories with the guidance of the faculty during and after the college hours. The laboratory facilities are constantly upgraded to take care of the technological Changes in the respective disciplines.

Department Servers and Software Details

- Microsoft Windows Server 2003
- Linux Fedora v19
- Oracle 11i Data base Server Workstations
- 471 Core i3 and Pentium based systems with multimedia facilities

- Capable of getting connected to all server and every other systems over TCP/IP backbone
- All systems having access with Internet/Intranet
- Software
- Microsoft Windows Server 2003
- CentOS 5.3 (For C & C++ programming and Script languages)
- Free BSD
- Oracle 11i
- IBM DB2
- PowerBuilder
- Sybase
- Microsoft Office 2007
- Microsoft Visual Studio 6.0
- Microsoft Visual Studio 2010
- Mathematica
- IDL (Image Processing Tools)
- MathCAD
- IBM Rational Suite and IBM Rational Architect
- Macromedia Flash and Dreamweaver
- Front Page Express
- Novell Netware
- Adobe Photoshop
- Network Simulator – 2 (Free Ware for Both Windows and Linux)
- .netbeans Developer
- Sun JDK, J2EE and J2ME
- Internet Facilities
- 16 Mbps leased line from Reliance

Priority Research Areas

1. Cloud Computing
2. Data Analysis
3. Data Mining and Warehousing
4. Network Security
5. Image Processing
6. Mobile Application Development
7. Ubiquitous Computing
8. Sensor Computing
9. Natural Language Processing
10. Green Computing

COORDINATOR DETAILS

S.No	Name of the Coordinator	Designation	Contact No.	EmailID
Faculty Members				
01	Dr.T.Ganesan	Professor/CSE	9940742877	ganesan.t@egspec.org
02	Mr.G.Arul Selvan	Asst.Prof/CSE	8870641821	arulselvan@egspec.org

G.Siva :6385746377



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27-B, Main Road, PORAYAR.

17/07/2019

To

Dr.T.Ganesan,
Professor,
Department of Computer Science & Engineering,
E.G.S. Pillay Engineering College (Autonomous),
Nagapattinam.

Sir

Sub: Consultancy Work – with reference to your letter Dated: 10/07/2019 -Reg

Thank you for writing to us. This billing system management idea is very interesting and we hope that it will be very useful for us to maintain the accounts as well as stocks. We are willing to implement this software in our shop.

Kindly send your project proposal for further activities.

Thanking you

Yours

G. Siva
**RICH TRENDS
MENS WEAR
27-6, Main Road,
PORAYAR - 609 307.
Cell:63857 46377,**



**E. G.S.PILLAY ENGINEERING COLLEGE
(Autonomous)**

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(Affiliated to Anna University Chennai)

(Accredited by NAAC with 'A' Grade)

(Accredited by NBA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

18/07/2019

To

Dr. E. Edward Anand
Director - R & D
E.G.S Pillay Engineering College
Nagapattinam - 611002

Respected Sir,

Sub – Requesting permission to do consultancy work – Reg.

I wish to inform you that Rich Trends Mens Wear, Porayar is accepted to develop a software for their textile shop. I request you to permit me to do this consultancy work.

Thanking you

Yours sincerely,

(Dr.T.Ganesan)

Permitted

[Signature]
18/7/2019



E. G.S.PILLAY ENGINEERING COLLEGE (Autonomous)

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(Affiliated to Anna University Chennai)

(Accredited by NAAC with 'A' Grade & NBA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

23/07/2019

Ref. No: EGSPEC/CW/CSE/2019/01

To

Mr.G.Siva,
Proprietor, Rich Trends Men's Wear,
27-B, Main Road,
Porayar- 609307.

Sir

Sub: Consultancy Work - Reg

Greetings from E.G.S. Pillay Engineering College, Nagapattinam

With reference to your letter dated on 17/07/2019, we are glad to hear your positive response. Herewith we enclose our proposal for your kind reference. The approximate cost for developing the software will be around Rs. 85,000.

We request you to fix a date for discussing about the work.

Thanking You



Yours sincerely

(Dr.T.Ganesan)

Contact Details

Dr.T.Ganesan, Professor,
Prof G.Arul Selvan, Assistant Professor,
Department of Computer Science and Engineering
E.G.S. Pillay Engineering College (Autonomous), Nagapattinam
Email Id: ganesan.t@egspec.org
Contact No: 9940742877

.Siva :6385746377



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27-B, Main Road, PORAYAR.

26/07/2019

To

Dr.T.Ganesan,
Professor
Department of Computer Science & Engineering
E.G.S. Pillay Engineering College (Autonomous)
Nagapattinam

Sir

Sub: Consultancy Work – Reg.

I accept your consultancy work of Textile Billing system. I will to come to your college on 29/07/2019 for discussing about the consultancy work. I hope this work is very important for us.

Thanking you

Yours

G. Siva
**RICH TRENDS
MENS WEAR
27-B, Main Road,
PORAYAR - 609 307.
Cell:63857 46377,**

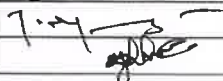

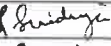

MINUTES OF MEETING

EGS Pillay Engineering College(Autonomous), Nagapattinam
Department of Computer Science & Engineering

Minutes of Meeting

Consultancy Work	
Title	Textile Shop Billing System
Ref.No	EGSPEC/CW/CSE/2019/01
Meeting No.	01
Date	29/07/2019
No. of Attendees	07
Venue	Department of CSE -Faculty Room

Members Present

S.No	Name of the Members	Designation/Dept	Signature
01	Dr.T.Ganesan	Professor/CSE	
02	Mr.G.Arul Selvan	Assistant Professor/CSE	
03	G.Siva	Proprietor/Rich Trends Men's Wear, Porayar	
04	Mr. N.Mohamed Ibrahimshaibu Marikyar	Student	
05	Ms. R.Sindhuja	Student	
06	Mr. G.Ashwin	Student	
07	Ms. R. Nandhini	Student	

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Dr.T.Ganesan delivered welcome address.
02	Mr.G.Arul Selvan explained about the project details.
03	Discussed with project details like objective, duration, project status monitoring....
04	Explained various levels in the sense of hardware and software profile and outcomes.
05	Signed Consultancy Assignment Proposal and Agreement form

Minuted by: Mr.G.Arul Selvan
Copy to: Department file and Company




HOD/CSE

Siva :6385746377



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27-B, Main Road, PORAYAR.

26/06/2020

To

Dr.T.Ganesan,
Professor,
Department of Computer Science & Engineering
E.G.S. Pillay Engineering College (Autonomous)
Nagapattinam

Sir

Sub: Consultancy Work – Reg

At the outset I thank the coordinators for the software developed. It is very useful for monitoring our shop's day to day activities. It satisfies all our needs. Herewith I enclosed a copy of the cheque for payment details made by me for your reference.

Thanking you

Yours

RICH TRENDS
MENS WEAR
27-B, Main Road,
PORAYAR - 609 307.
Cell:63857 46377,

24



புதுக்கோட்டை கிராம வங்கி

पुदुक्कोट्टै भारतियार ग्राम बैंक

PUDUVAI BHARATHIAR GRAMA BANK
(Sponsored by Indian Bank)

புதுக்கோட்டை - 605 003
Puducherry Main - 605 003
IFSC CODE : IDIB0PBG001

26062020
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या धारक को OR BEARER

PAY R. ANAND CONSULTANCY, EAS PILLAY
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अदा करें

₹ 85,000

खा. सं. 94918157
A/c. No.

KOTTUCHERRY-70034

HIMSEU

Himseu
Please sign above

"VALID FOR THREE MONTHS ONLY
FROM THE DATE OF ISSUE W.E.F. 1.4.2012"

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**E. G.S.PILLAY ENGINEERING COLLEGE
(Autonomous)**

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)

(Accredited by NAAC with 'A' Grade & NBA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

11/07/2020

Ref. No: EGSPEC/CW/CSE/2019/01

To

Mr.G.Siva,
Proprietor, Rich Trends Men's Wear,
27-B, Main Road,
Porayar - 609307.

Sir


Sub: Consultancy Work- Payment – Reg.

Greetings from E.G.S. Pillay Engineering College (Autonomous), Nagapattinam

We are very much pleased to accept your positive response and work process appreciation and we take your consideration in our future reference. Also we have received your cheque. Herewith we have attached the invoice detail for your reference.

Thanking You

Yours sincerely


(Dr.T.Ganesan)

Contact Details

Dr. T. Ganesan, Professor,
Prof G. Arul Selvan, Assistant Professor,
Department of Computer Science and Engineering
E.G.S. Pillay Engineering College (Autonomous), Nagapattinam
Email Id: ganesan.t@egspec.org
Contact No: 9940742877



E. G.S.PILLAY ENGINEERING COLLEGE (Autonomous)

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)

(Accredited by NAAC with 'A' Grade & NBA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

11/07/2020

Ref. No: EGSPEC/CW/CSE/2019/01

INVOICE

S.No	Salaries & Wages	Amount (in Rs.)
01	Coordinators and Technical Staff Salary	48,000
02	Preprocessing and Component Preparation	12,000
03	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	14,400
04	Travel	3600
05	Institutional overhead charge	7000
06	Total Cost of Project	85,000

Yours sincerely


(Dr. T. Ganesan)

Contact Details

Dr. T. Ganesan, Professor,

Prof. G. Arul Selvan, Assistant Professor,

Department of Computer Science and Engineering

E.G.S Pillay Engineering College (Autonomous), Nagapattinam

Email Id: ganesan.t@egspec.org

Contact No: 9940742877

IVA :6385746377

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25/07/2020

To

Dr.T.Ganesan,
Professor,
Department of Computer Science & Engineering
E.G.S. Pillay Engineering College (Autonomous)
Nagapattinam

Sir

Sub: Consultancy Work – Reg

I am very happy to inform you that consultancy work "Textile Shop Billing System" system successfully running and it improves our record maintenance very well. I had a pleasant experience with you people.

Thanking you

Yours

G. Siva

**RICH TRENDS
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27-B, Main Road,
PORAYAR - 609 307.
Cell:63857 46377,

Software Outcomes


1. Automate the entire billing process to remove the possibility of human errors.
2. Receive payments using cash, eWallets, cards, UPI, direct bank transfers, and cheques.
3. Impress customers with professional paper bills.
4. Create GST compliant invoices to bring clarity.
5. By using this billing software, it is easy to keep track of items all time.
6. Ability to automate purchase orders whenever a stock item reaches a lower limit.
7. Prepares sales strategy by analyzing the reports.
8. Keep records of all the sale and purchase orders and monitor them on a real-time basis.
9. Collect payments through invoices by sending digital payment links.
10. Send payment reminders over Whatsapp and emails.
11. Analyze expenses and earnings reports to make better use of resources.
12. Optimize costs by generating critical business reports.

**E.G.S.PILLAY ENGINEERING COLLEGE
NAGAPATTINAM.**
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Table 5.8.4 Details of Consultancy work

Academic Year 2019-2020					
S.No.	Name of the Company	Nature of Work	Duration	Consultancy Fee in Rs	Faculty Involved in the Work
1	SmartMind Technologies, 4/22, Triyambhava, SITRA Near. Coimbatore	Automatic Water Tank Pump Controller with SMS system	Six Month	1,65,000	Dr.M.Vijayakumar Dr.V.Mohan
2	Indiguard Systems (P) Ltd. 3/365, Kollangarai, Thanjavur.	Microcontroller based Touch Free Sanitizer Dispenser	One Month	85,000	Dr.M.Vijayakumar Mr.S.Sivamani
			Total	2,50,000	
Amount					


R& D Coordinator


HOD/EEE

Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam



Smart mind Technologies *softy first*

4/22, Triyambhava, SITRA Near, Coimbatore-641014. Mobile: 8778108280

05.07.2019

From

R.Ganesan
Managing Director
Smart Mind Technologies
4/22, Triyambhava,
SITRA Near
Coimbatore

To

The HOD
Department of EEE
E.G.S. Pillay Engineering College,
Nagapattinam
Sub: Consultancy work – Regarding

Dear Professor,

I want to meet your experts in accordance with our talk. In order to establish my requirements for an automatic water tank pump controller with SMS system for commercial purposes as soon as feasible, kindly schedule a one-on-one consultation with your expert team.



Thanks and Regards

www.smartmind.com

Email: smartinfo@gmail.com

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 10/07/2019

Subject: One to One Discussion –Regarding


Dear Mr. R. Ganesan,

I'm Dr.V.Mohan working as Professor and Consultant at E.G.S.Pillay Engineering College Nagapattinam. With your inquired, Here, we specialize in Advanced Embedded System, PCB Design and Fabrication and we've helped your consumer product development up to end. Since you're a Managing Director at Smart Mind Technologies, Coimbatore, I believe we could collaborate to achieve good consumer product by using our Consultancy.

I'd like to invite you to our office at E.G.S.Pillay Consultancy Services, E.G.S.Pillay Engineering College, Nagapattinam for a meeting to discuss this further. Would either 15/07/2019 or 17/07/2019, 10-4 AM/PM work for you?

Please let me know if you'd like to meet at a different time.

Kind regards,


Professor / Consultant

EGSPCS

Contact Number: +91 9942986674

Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

QUOTATION

REF: EGSPCS/QUOT/EEE/2021/103

Date: 18/07/2019

To

Mr.R.Ganesan

M/S Smart Mind Technologies

4/22, Triyambhava,

SITRA Near,

Coimbatore.

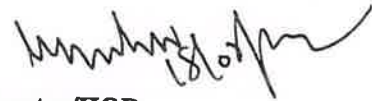
Sub: Quotation for Automatic Water Tank Pump Controller with SMS System - Reg

Dear Madam,

Warm Greetings from E.G.S.Pillay Consultancy Services.

With reference to our discussion for Automatic Water Tank Pump Controller with SMS System and further deliberations from there on, we are pleased to submit the Quotation for the same. Please feel free to contact us so that we can initiate the proceedings. Looking forward to hear from you.

For E.G.S.Pillay Consultancy Services



Director/HOD

Dr. G. SURESH K. PILLAI
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Commercials for Automatic Water Tank Pump Controller with SMS System

Sl. No.	Particulars	Quantity	Rate	Amount in Rs
1.	Microcontroller based Mother Board – Design and Development Charges	1	40,000	40,000
2.	Cabinet Design and Development	1	15,000	15,000
3.	Water Pump System with Sensors	25	4,400 each	1,10,000
			Sub Total	1,65,000
			Total Payable	1,65,000

In Words: One Lakh, Sixty Five Thousand only

Account Details:

Ac/No: 51090901039993

Name : R AND D CONSULTANCY SERVICES

E.G.S. PILLAY ENGINEERING COLLEGE

Bank : CITY UNION BANK

Branch: NAGORE

List of Deliverables :

1. Completed and tested hardware prototype as per customer specifications.
2. Fabrication drawings.
3. Complete Design Schematic.
4. PCB fabrication files and Gerber files.
5. Firmware source files and Hex files.

Product Ownership :

The IP rights of the designed product belong to the customer. The E.G.S.Pillay Consultancy Services shall not claim any ownership of the developed product.

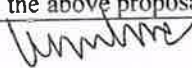
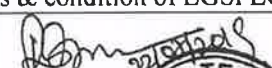
E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS) NAGAPATTINAM

Consultancy Project Agreement	
Project Title:	Automatic Water Tank Pump Controller with SMS System
Name and Address of the Company:	Mr.R.Ganesan M/S Smart Mind Technologies 4/22, Triyambhava, SITRA Near, Coimbatore.
Name of the Representative:	Mr.R.Ganesan
Phone: 8778108280	E-mail: ganesansmart@gmail.com

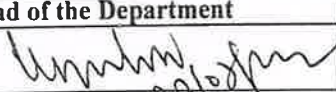
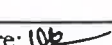
Principal Consultant*

S.No	Name of the Consultant	Designation	Department
1*	Dr.V.Mohan	Professor	EEE
2	Mr.M.Vijayakumar	Associate Professor	EEE

Project Cost: 1,65,000	Service Tax: Nil
Total Project Cost: 1,65,000	
Duration of Proposed Work: Six Month	
Date of Commencement: 25/07/2019	Date of Completion: 24/01/2020
Scope of Proposed Work: Automatic Water Tank Pump Controller with SMS System employs the utilization of advance sensing technology to observe the water level.	

We agree to the above proposal and also to the EGSPC terms & condition of EGSPEC Nagai.	
Signature: 	Signature: 
(Principal Consultant, EGSPEC, Nagai)	(Authorized signatory of the client)
Name: Dr. V. Mohan Professor, EEE, Electrical & Electronics Engg Department, EGS Pillay Engineering College, Nagapattinam	Name: Mr.R.Ganesan M/S Smart Mind Technologies Coimbatore
Date: 22/07/2019	Date: 22/07/2019

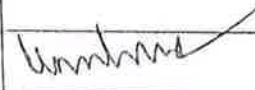
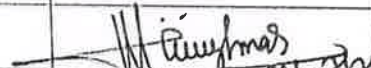


Head of the Department	EGSPC Office Use
Signature: 	Registered Project Number: EGSPCS/QUOT/EEE/2019/101
Date: 22/07/2019	Date: 22/07/2019 Signature: 

DR. V. MOHAN
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College, Nagapattinam

**E.G.S. PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM
FORM FOR APPROVAL OF CONSULTANCY PROJECT**

1. Name of the Department/Office/Branch: **EEE**
2. Title of the Consultancy Project: **Automatic Water Tank Pump Controller with SMS System**
3. Consultancy Project Category: **I/II/III**
4. Duration of the Consultancy Project (Year/Month/Days): **Six months**
5. (I) Date of Commencement **25/07/2019** (II) Expected Date of Completion **24/01/2020**
6. Detailed Project Report (DPR) attached: **YES / NO**
7. Client's Name and Address : **Mr.R.Ganesan, M/S Smart Mind Technologies, 4/22, Triyambhava, METRA Near, Colabature,**
8. Type of Client (Firm): **Private Sector/ Govt. Sector/ Public Sector /Foreign Agency / Others (Please Specify)**
9. Payment to be received in : **Full / Part ;Rs.65,000/-Indian Currency /Foreign Currency**
10. Whether MoU/ Agreement Signed with Client (Attach, if any): **Signed / Not Signed**
11. Consent Letter from the Client attached: **YES / NO**
12. Consent Letter from the Consultant(s) attached: **YES / NO**
13. Details of Persons Involved in the Consultancy Project:

Name of Consultant(s) along with Designation & Department/Office/Branch	Brief role	Signature
Dr. V. Mohan Professor / EEE	PI	
Mr. M. V. Jayakumar Associate Professor / EEE	CO - PI	

(Signature of the Principal/Consultant with date)

PROFESSOR & HEAD

Department of Electrical & Electronics Engg

Forwarded by Head of Department/ branch/office of **E.G.S. Pillay Engineering College - Nagapattinam**

Director (EGSPCS) Office, EGSPEC

Consultancy Project No.: **EGSPCS/APP/EEE/2019/101**

Dated: **22/07/2019**

Recommendations of EGSPCS Committee: **Approved / Not Approved / Suggestions for Improvement**

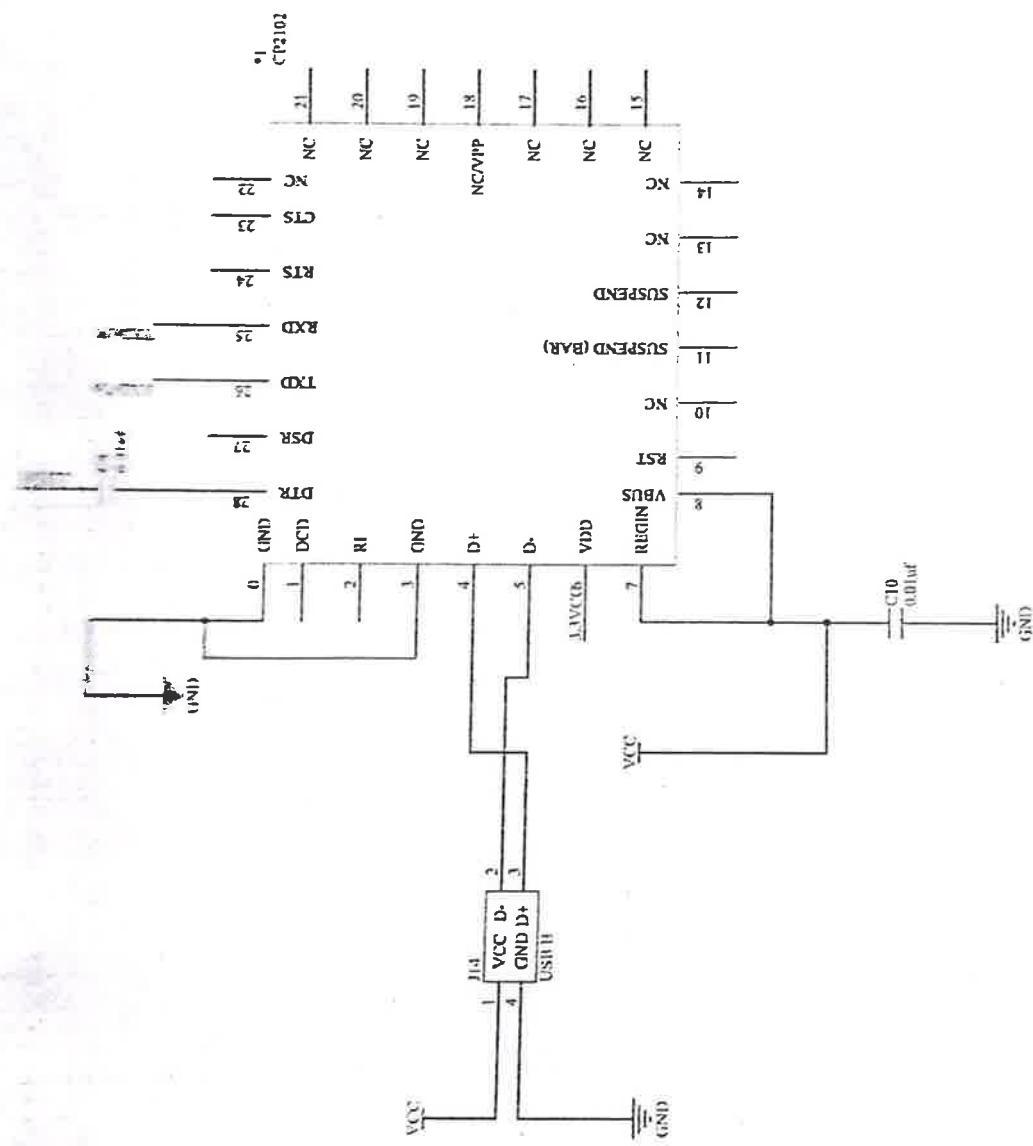
Convener

1-3-15

Member(s)

**Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD**

Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College, Nagapattinam



Title	Size	Number	Revision
	A		
Date:	11/20/2019	Sheet of	
File:	GSM4y PCB (USB CP2102).SchDoc	Drawn By:	

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

(Perform for making request for issuance billing for Consultancy and Testing Projects)

Project Title/Description : Automatic Water Tank Pump Controller with SMS System

ATMEGA 328 Controller, SIM 900, GSM Modem, Power Circuit 5V and 12V water level Sensors and Cabinet Design

Name of the Client: Mr.R.Ganesan

Approval No: EGSPCS/APP/EEE/2019/101

Dated: 22/07/2019

Billing Amount in Rs. 1,65,000

Payment through Cash /Cheque/DD No. 65,000/- 22.07.2019
1,00,000/- 20.01.2020

Dated: 20/01/2020

Signature [Signature] 20/01/20

Name of P.I. : M.Vijayakumar, Asso. Prof / EEE

Department : EEE

[Signature]
Director Consultancy Services/HOD

**Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam**

Ref: Copy of Job Approval Form



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NE : 3/365 WEST STREET, KOLLANGARAI, NADUR POST, THANJAVUR - 614904

CIN : U32109TN2020PTC135361
GSTIN : 33AAFC16412A1Z8
Mobile : 94880 12038
Web : www.indiguard.in
Email : indiguard@gmail.com

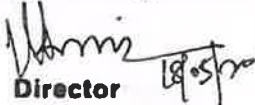
18.05.2020

Dear Consultant,

Greetings for the day. I am introduced myself I am M.Ramya, Managing Director from Indiguard Systems Private limited Thanjavur. In our company required to design and develop the Micro Controller based touch free sanitizer dispenser product for this covid19 pandemic period. Already your institute representative met me and I had explained my requirements. If you arrange the direct meeting we can discuss to further process.

Thanks and Regards

For INDIGUARD SYSTEMS (P) LTD


Director



Mobile : 94880 12038

Web : www.indiguard.in

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 22/05/2020

Subject: One to One Discussion -Regarding

Dear Mrs. M.Ramya,

I'm Mr. S.Sivaramani working as Assistant Professor and Consultant at E.G.S.Pillay Engineering College Nagapattinam. With your inquired, Here, we specialize in Advanced Embedded System, PCB Design and Fabrication and we've helped your consumer product development up to end. Since you're a Managing Director at Indiguard Systems (P) Ltd, Thanjavur, I believe we could collaborate to achieve good consumer product by using our Consultancy.

I'd like to invite you to our office at E.G.S.Pillay Consultancy Services, E.G.S.Pillay Engineering College, Nagapattinam for a meeting to discuss this further. Would either 25/05/2020 or 27/05/2020, 10AM to 4PM work for you?

Please let me know if you'd like to meet at a different time.

Kind regards,


Assistant Professor / Consultant

EGSPCS

Contact Number: +91 9994200058

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 25/05/2020

To

Mrs.M.Ranya,
MS Indignand Systems (P) Ltd,
3365, Kollangarai
Thanjavur.

Dear Mrs.M.Ranya,

Thank you for taking the time to meet with my colleagues from the Department of EEE, EGSPCS and me today regarding your Consumer product development goals. It's been a pleasure talking to you and learning about your Company. With reference to our discussion on Microcontroller based Touch Free Sanitizer Dispenser and further deliberations from there on, please find the quotation for the complete product design including the delivery of PCB and manufacturing files. Looking forward to your formal Purchase order.

Thanks & Regards



Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

QUOTATION

REF: EGSPCS/QUOT/EEE/2020/103

Date: 27/05/2020

To

Mrs.M.Ramya,
M/S Indiguard Systems (P) Ltd,
3/365, Kollangarai
Thanjavur.

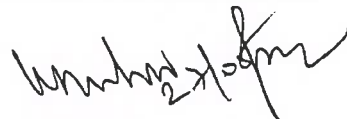
Sub: Quotation for Microcontroller based Touch Free Sanitizer Dispenser - Reg

Dear Madam,

Warm Greetings from E.G.S.Pillay Consultancy Services.

With reference to our discussion for Design and Development of **Microcontroller based Touch Free Sanitizer Dispenser** and further deliberations from there on, we are pleased to submit the Quotation for the same. Please feel free to contact us so that we can initiate the proceedings. Looking forward to hear from you.

For E.G.S.Pillay Consultancy Services



HOD/EEE

Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg
E.G.S. Pillay Engineering College - Nagapattinam

E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.

Commercials for Microcontroller based Touch Free Sanitizer Dispenser

Sl. No.	Particulars	Quantity	Rate	Amount in Rs
1.	Microcontroller based Mother Board Design and Development	1	15,000	15,000
2.	Wall Mounted Microcontroller based Touch Free Sanitizer Dispenser	20	3,500 each	70,000
			Sub Total	85,000
			Total Payable	85,000

In Words: Eighty Five Thousand only

Account Details:

Ac/No: 51090901039993

Name : R AND D CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE

Bank : CITY UNION BANK

Branch: NAGORE

List of Deliverables :

1. Completed and tested hardware prototype as per customer specifications.
2. Fabrication drawings.
3. Complete Design Schematic.
4. PCB fabrication files and Gerber files.
5. Firmware source files and Hex files.

Product Ownership :

The IP rights of the designed product belong to the customer. The E.G.S.Pillay Consultancy Services shall not claim any ownership of the developed product.



Branch : EASWARI NAGAR
 PLOT NO 20/1 NATARAJAPURAM SOUTH COLONY, MEDICAL COLLEGE ROAD
 EASWARI NAGAR, THIRUVAVUR - 613007
 IFS CODE: IDIB0001095

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 28052020
 D D M M Y Y Y Y

PAY R AND D Consultancy, E.G.S. Pillay Engineering College

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अदा करें

बि. सं. / A/C No. CA 6929989449

FOR INDIGUARD SYSTEMS PRIVATE LIMITED

[Signature]
 AUTHORIZED SIGNATORY
 Please sign above

CBS Code: 1326

Payable At Par At All Our Branches

992000002

⑈993937⑈ 613019004⑈ 989449⑈ 29

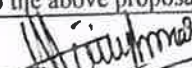
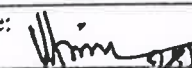
E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS) NAGAPATTINAM

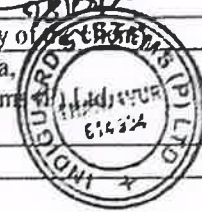
Consultancy Project Agreement	
Project Title:	Microcontroller based Touch Free Sanitizer Dispenser
Name and Address of the Company:	Mrs.M.Ramya, M/S Indiguard Systems (P) Ltd, 3/365, Kollangarai Thanjavur.
Name of the Representative:	Mrs.M.Ramya
Phone: 8489667053	E-mail: ramya.indi@gmail.com

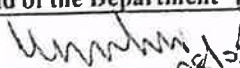

Principal Consultant*

S.No	Name of the Consultant	Designation	Department
1*	Mr.M.Vijayakumar	Associate Professor	EEE
2	Mr.S.Sivamani	Assistant Professor	EEE

Project Cost: 85,000	Service Tax: Nil
Total Project Cost: 85,000	
Duration of Proposed Work: one month	
Date of Commencement: 31/05/2020	Date of Completion: 30/06/2020
Scope of Proposed Work: Microcontroller based Touch Free Sanitizer Dispenser is ultimately expected to contribute to contactless hand disinfection in public places and virus infection prevention. Additionally, it is economical and eco-friendly by decreasing waste emissions.	

We agree to the above proposal and also to the EGSPC terms & condition of EGSPEC Nagai.	
Signature: 	Signature: 
(Principal Consultant, EGSPEC, Nagai)	(Authorized signatory of M/S Indiguard Systems (P) Ltd)
Name: Mr.M.Vijayakumar Associate Professor / EEE	Name: Mrs.M.Ramya, M/S Indiguard Systems (P) Ltd
Date: 28/05/2020	Date: 28/05/2020




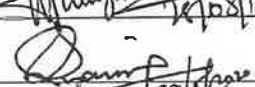
Head of the Department	EGSPC Office Use
Signature: 	Registered Project Number: EGSPCS/QUOT/EEE/2020/102
Date: 28/05/2020	Date: 28/05/2020 Signature: 

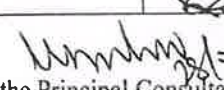
Dr. V. MOHAN M.E., Ph.D.,

ASSISTANT PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S.Pillay Engineering College - Nagapattinam

**E.G.S. PILLAY CONSULTANCY SERVICES
E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM
FORM FOR APPROVAL OF CONSULTANCY PROJECT**

1. Name of the Department/Office/Branch: **EEE**
2. Title of the Consultancy Project: **Microcontroller based Touch Free Sanitizer Dispenser**
3. Consultancy Project Category: **I/II/III**
4. Duration of the Consultancy Project (Year/Month/Days): **One month**
5. (i) Date of Commencement **31/05/2020**(ii) Expected Date of Completion **30/06/2020**
6. Detailed Project Report (DPR) attached: **YES / NO**
7. Client's Name and Address : **Mrs.M.Ramya, M/S Indiguard Systems (P) Ltd, 3/365, Kollangarai, Thanjavur.**
8. Type of Client (Tick): **Private Sector/ Govt. Sector/ Public Sector /Foreign Agency / Others (Please Specify)**
9. Payment to be received in :**Full / Part ;Rs.50,000/-Indian Currency /Foreign Currency**
10. Whether MoU/ Agreement Signed with Client (Attach, if any): **Signed / Not Signed**
11. Consent Letter from the Client attached: **YES / NO**
12. Consent Letter from the Consultant(s) attached: **YES / NO**
13. Details of Persons involved in the Consultancy Project:

Name of Consultant(s) along with Designation & Department/Office/Branch	Brief role	Signature
Mr.M.Vijayakumar Associate Professor / EEE	PI	
Mr.S.Sivamani Assistant Professor / EEE	CO - PI	


Signature of the Principal Consultant (with date)
Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD

**Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam**

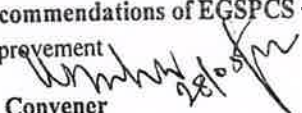
Forwarded by Head of Department/ branch/office

Director (EGSPCS) Office, EGSPEC

Consultancy Project No.:EGSPCS/APP/EEE/2020/102

Dated: 28/05/2020

Recommendations of EGSPCS Committee: Approved / Not Approved / Suggestions for improvement


Convener


Member(s)

Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam



इंडियन बैंक

Indian Bank

Branch: EASWARI NAGAR
PLOT NO 201 NAIKAPURAM SOUTH COLONY, MEDICAL COLLEGE ROAD
EASWARI NAGAR, THANJAVUR - 613007
IFS CODE: IDIB00THSS

VALID FOR THREE MONTHS ONLY

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COLLEGE एररर को OR BEARER

UNIKITY FORM 9 PRT. LTD / CTR - 2019

PAY RANDD CONSULTANCY, E.S.S. PILLAY ENGINEERING COLLEGE

THIRTY FIVE THOUSAND ONLY

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₹ 35,000/-

FOR INDIGUARD SYSTEMS PRIVATE LIMITED

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CBS Code: 1326

[Signature]
AUTHORIZED SIGNATURE

Please sign above

Payable At Par At All Our Branches

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₹ 993939 ₹ 613019004 ₹ 989449 ₹ 29



**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

(Performa for making request for issuance billing for Consultancy and Testing Projects)

Project Title/Description : Microcontroller based Touch Free Sanitizer Dispenser

12V DC solenoid valve, Arduino Nano Development Board, Ultrasonic Sensor, Power Adapter, Cabinet

Name of the Client: Mrs.M.Ramya

Approval No: EGSPCS/APP/EEE/2020/102

Dated: 28/05/2020

Billing Amount in Rs. 85,000

Payment through Cash /Cheque/DD No. 993997 - 28.05.2020

993939 - 06.07.2020

Dated

Dated: 06/07/2020

Signature 

Name of P.I. : M.Vijayakumar, Asso. Prof / EEE

Department : EEE


Director Consultancy Services/HOD

Ref: Copy of Job Approval Form

**Dr. V. MOHAN M.E.,Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam**

CONSULTANCY WORK
ONLINE TRAVEL BOOKING SYSTEM

CUSTOMER DETAIL

AFESHEE TRAVEL
Vedharanyam, Nagapattinam - Dt

Coordinator(s)

Dr.P.Vijayalakshmi
Ms.K.Nagalakshmi
Mr.V.M.Suresh
Mr.R.Anand Babu

DEPARTMENT OF INFORMATION TECHNOLOGY
E.G.S PILLAY ENGINEERING COLLEGE
NAGAPATTINAM – 611 002,
TAMIL NADU

<http://www.egspec.org>

Ph: 04365 – 251112

E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

DEPARTMENT OF INFORMATION TECHNOLOGY

Consultancy Work

"ONLINE TRAVEL BOOKING SYSTEM"

CONTENTS

S. No	DETAILS
1.	Requisition Letter with Institution and Department Profile
2.	Requisition Letter from Customer
3.	Covering letter along with Proposal
4.	Acceptance Letter from Customer
5.	Minutes of Meeting – 1
6.	Response Letter and Invoice from Department
7.	Feedback Letter from Customer
8.	Utilization Certificate

**E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF INFORMATION TECHNOLOGY**

18/07/2019

Ref. No: EGSPEC/CW/IT/2019/01

To

The Managing Director
Afeshee Travel,
Nagapattinam – 611001

Sir

Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

We are happy to inform you that we are doing consultancy work for Diesel Billing and Incentive calculator. This project focuses on management of medical lab data along with billing system. Herewith we send institution and department profile for your reference.

Hence we request you give a positive response from your side.

Thanking You

Yours Sincerely



Contact Details

Dr.P.Vijayalakshmi
Ms.K.Nagalakshmi
Mr.R.Anand Babu
Department of IT
EGS Pillay Engineering College, Nagapattinam
Email Id: noornilo@gmail.com
Contact No: 8643856461

1. INSTITUTION PROFILE

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2nd January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19th year of excellent service in the year of 2014. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,

The college offers 6 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

UG Courses:

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology

PG Courses:

Master of Business Administration
Master of Computer Applications
M.E – Manufacturing Engineering
M.E – Computer Science and Engineering
M.E – Communication Systems
M.E – Power Electronics and Drives

Vision:

- Envisioned to transform our institution into a Global Center of Academic Excellence

Mission:

- To provide world class education to the students and to bring out their inherent talents
- To establish state-of-the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes
- To recruit competent faculty and staff and to provide opportunity to upgrade their knowledge and skills
- To have regular interaction with the the industries in the areas of R&D and offer consultancy training and testing services
- To establish center of excellence in the emerging areas of research
- To offer continuing education, and non-formal vocational education programmes that are beneficial to the society.

2. DEPARTMENT PROFILE

The department has well qualified and experienced staff and it continually updates its laboratories with modern facilities. The department conducts various seminars and workshop periodically. Various associations are formed related to the department. The students are given different mini-projects in the pre-final year so that their individual ideas can be implemented. The staff and students are encouraged to present papers at various colleges and many have won prizes in competitions.

Vision:

- To produce globally competent information technologist and to inculcate values of leadership and research qualities in them

Mission:

- To provide high quality Education to the students by our competent faculty members, effective teaching learning process and value added courses
- To create centres of excellence by interacting with industries for better employability and to contribute to the society through consultancy and R&D works.
- To improve the soft skill, interpersonal skill, ethical behavior and communication skill of students by involving them in team works and technical events.

PROGRAMME EDUCATIONAL OBJECTIVES

- PEO1: Graduates will have knowledge and competency for successful careers in and related to Information Technology
- PEO2: Graduates will contribute to the design and implementation of software systems to solve real life problems in the society with an understanding of profession ethical standards
- PEO3: Graduates are motivated to proceed to higher studies in Engineering or other Professional fields and promote awareness of the life-long learning
- PEO4: Graduates will work and communicate effectively as individuals and as team members in multidisciplinary projects, research and development activities

PROGRAM SPECIFIC OUTCOMES

The graduates will have

- PSO 1: Apply core aspects of Information Technology and programming paradigms in order to facilitate processing
- PSO 2: Provide solution to real world problems using Structured , Object Oriented Programming Languages and Open Source Software
- PSO 3: Solve Complex IT Problems as a Software Engineer, Software Analyst and Tester in IT and ITeS

PROGRAMME OUTCOMES

Graduates will be able to

PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend

21/08/2019

To

HOD / IT
Department of Information Technology
EGS Pillay Engineering College
Nagapattinam

Sir

Sub: Consultancy Work – Reg

Thank you for your interest. This project idea is very interesting and we can manage our medical data easily.

We accept your request. Kindly send your project proposal.

Thanking you

Kind regards



Afeshee Travel

1. PROJECT PROPOSAL

01	Title of the Project	:	ONLINE TRAVEL BOOKING SYSTEM
02	Type of the Project	:	Consultancy Work
03	Name & Designation of the Project Coordinators	:	Dr.P.Vijayalakshmi Ms.K.Nagalakshmi Mr.V.M.Suresh Mr.R.Anand Babu
04	Postal Address of the Principal Investigator	:	Old Nagore Road, Thethi Village, Nagore – Post, Nagapattinam – 611 002
05	Contact Phone numbers of the Project Coordinators	:	Contact No. 9486116002 Email: nagalakshmi@egspec.org
06	Name of the Institution / Organization in which the project will be carried out	:	E.G.S Pillay Engineering College, Nagapattinam
07	Customer Details	:	Mr. Mustak Ahamed Proprietor cum CEO
08	Customer Contact Details	:	Ph: 8754935641 md.mustak2052@gmail.com
09	Duration of the Project	:	Aug 2019 – May 2020
10	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	:	Enclosed separately – Annexure 1
11	An abstract, not exceeding one page describing the background, objectives methodology & year wise budget	:	Enclosed separately – Annexure 2
12	Project Work Plan	:	Enclosed separately – Annexure 3
13	Facilities available at the Institution / organization to carry out the project	:	Open Source Lab, Cloud Campus, Android Apps development Centre...

14	Expected Outcome	:	Enclosed separately – Annexure 4
----	------------------	---	----------------------------------

V.M. - Jml

Signature of Project Coordinator(s)

S. MANTKANDAN

S. MANTKANDAN
Head of Department
Department of Information Technology,
E.G.S. Pillay Engineering College,
Nagapattinam - 611002
Signature of the
Head of the Department
with Seal



Dr. S. RAMABALAN

Signature of the
Head of the Institution
with Seal

Dr. S. RAMABALAN, M.E., Ph.D.,
Principal
E.G.S. Pillay Engineering College
Nagapattinam - 611 002

Annexure - 1**DETAILS OF BUDGET**

S.No	Description	Amount (in Rs.)
A	Salary for Project Coordinators (12 months*Rs.1000/pm)	36000
	Salary for Technical Assistant (12 months * Rs.1000/pm)	12000
Total		48,000
B	Preprocessing and Component Preparation	35,000
Total		35,000
C	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	25,000
Total		25,000
D	Travel	5,000
E	Total of A+B+C+D	1,13,000
F	Institutional overhead charges	7,000
G	Total Cost of Project	1,20,000

Annexure - 2

ABSTRACT

The most important part of the online travel booking system project is its database. The database is full of Cars, Vans and its availability. Online travel booking system is a web based project where a user may search and apply for a travel service or package. The system allows the user to check various travel destinations and choose his destination accordingly. The software system checks for user choice and then queries the database for various available mediums to travel to that destination. The system then loads all that data and puts those choices in front of the user. The user can now choose various ways to reach his destination. When the user chooses Car or Van, the system also allows the user to book tickets to the destination for the desire day and timings. Thus this software system automates the working of a travel agency and allows users to check and book his holidays online through this website. One more important functionality available in this project is the receipt of holiday booking is sent to the users mobile phone on successful booking of his holiday.

Annexure - 3**Work Plan**

Phase	Cycle	Primary Objective	Scheduled start or milestone	Duration Estimate (calendar days)
Inception / Requirements Analysis	C1	<ul style="list-style-type: none">✓ Analyzing Requirements✓ Collecting Project Requirements	May – June 2019	38 days
Elaboration	C2	<ul style="list-style-type: none">✓ Identifying Technical Assistant✓ Installation and Setup	July – August 2019	32 days
Designing	C3	<ul style="list-style-type: none">✓ Designing Prototype Model✓ Project Review Status Preparation Submission✓ Project Modules Preparation	September – October 2019	35 days
Implementation	C4	<ul style="list-style-type: none">✓ Start to develop Coding each Modules✓ Preparing Workspace model and verify with abstract.✓ Identify the Risk and Measure the values of on it.	November – December 2019	45 days
Construction	C5	<ul style="list-style-type: none">✓ Complete the Project and meet with Abstract✓ Objectives and Outcome mapped with the Module✓ Project Final Phase meeting	January – February 2020	45 days
Transitions /End	C6	<ul style="list-style-type: none">✓ Preparing Documentation Part✓ Final Project Presentation	March – May 2020	40 days

Annexure - 4

Expected Outcomes

1. Provides the easiest reporting system for medical diagnostic laboratories.
2. A single module fits all system with synoptic reporting.
3. The reports can be fully customized as per the need of the laboratory.
4. The report is generated automatically from the patient information.
5. Have templates customized for each doctor.
6. The report is generated automatically and saves time from manual changes.
7. Historical chart shows the trend for a particular test over a period of time. This can be applied for any test.
8. Option to provide digital signatures on lab results.
9. Single click invoice generation
10. Compute Referral incentive with a single click. Referral is computed automatically from bill.
11. Detailed report on Test wise Turn Around Time.
12. View all outsourced tests with current status .
13. Data can be monitored at Patient wise, Test wise and Lab wise.
14. Shows the top 10 referrals who have provided the most income. Helps in identifying the pattern of referrals.
15. Shows which tests are booked frequently. Helps in planning for additional machines and additional personnel.
16. Shows trend of new patients over time. Helps in planning marketing activities.

MINUTES OF MEETING

**EGS Pillay Engineering College, Nagapattinam
Department of IT**

Minutes of Meeting

Consultancy Work	
Title	Online Travel Booking System
Meeting No.	01
Date	20/08/2019
No. of Attendees	05
Venue	Department of IT –Faculty Room

Members Present

S.No	Name of the Members	Designation/Dept
01	Mustak Ahamed	Director/Afeshee Travel
02	Dr.P.Vijayalakshmi	Prof/IT
03	Ms.K.Nagalaksmhi	As.P/IT
04	Mr.V.M.Suresh	AP/IT
05	Mr.R.Anand Babu	AP/IT

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Dr.P.Vijayalakshmi delivered welcome address
02	Mr.R.Anand Babu discussed project details.
03	Discussed with project details like objective, duration, project status monitoring....
04	Explained various levels in the sense of hardware and software profile and outcomes.
05	Signed Consultancy Assignment Proposal and Agreement form

Minuted by: Prof.V.M. Suresh
Copy to: Department file and Company


S. MANIKANDAN
HOD/IT
Head of Department
Department of Information Technology,
E.G.S. Pillay Engineering College,
Nagapattinam - 611002

E.G.S Pillay Engineering College,
Nagapattinam
Department of Information
Technology

Afeshee Travel
Vedharanyam Nagapattinam - Dt

**Memorandum of Understanding
(Consultancy Work Order)**

This Memorandum of Understanding is entered on this 20th August, 2019 between Afeshee Travel hereinafter called the party of the first part represented by branch manager

AND

Department of Information Technology, E.G.S Pillay Engineering College, Old Nagore Road, Nagapattinam District – 611 002, hereinafter called the party of the second part represented by E.G.S Pillay Engineering College hereinafter called the party of the second part.

We are happy to sign Memorandum of Understanding for the purposes of doing Consultancy work for the title "**ONLINE TRAVEL BOOKING SYSTEM**" the period from August 2019 to July 2020. And we accept and satisfies the requirements and it is very good platform for us.

This MOU effect from on 20/08/2019.


On behalf of

Director


On behalf of

Head of the Department

MINUTES OF MEETING

**EGS Pillay Engineering College, Nagapattinam
Department of IT**

Minutes of Meeting

Consultancy Work – Progress Analysis	
Title	Online Travel Booking System
Meeting No.	04
Date	03/01/2020
No. of Attendees	05
Venue	Department of IT –Faculty Room


Members Present

S.No	Name of the Members	Designation /Dept
01	Rafeeq	Director/Afeshee Travel
02	Dr.P.Vijayalakshmi	Prof/IT
03	Ms.K.Nagalaksmhi	As.P/IT
04	Mr.V.M.Suresh	AP/IT
05	Mr.R.Anand Babu	AP/IT

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Discussed with major and minor problem displayed.
02	Recommendation and Action taken points are discussed.
03	Discussed with details of further work

**Minuted by: Prof.V.M Suresh
Copy to: Department file and Company**


S. MANTKANDAN
Head of Department
Department of Information Technology,
E.G.S. Pillay Engineering College,
Nagapattinam - 611002

**E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF INFORMATION TECHNOLOGY**

04/08/2019

Ref. No: EGSPEC/CW/IT/2019/01

INVOICE

S.No	Description	Amount (in Rs.)
A	Salary for Project Coordinators (12 months*Rs.1000/pm)	36000
	Salary for Technical Assistant (12 months * Rs.1000/pm)	12000
Total		48,000
B	Preprocessing and Component Preparation	35,000
Total		35,000
C	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	25,000
Total		25,000
D	Travel	5,000
E	Total of A+B+C+D	1,13,000
F	Institutional overhead charges	7,000
G	Total Cost of Project	1,20,000

Yours Sincerely

EGS Pillay Engineering College, Nagapattinam
Department of Information Technology

Utilization Certificate

Name of the Project	Online Travel Booking System
Name of the Coordinator(s)	Dr.P.Vijayalakshmi Ms.K.Nagalakshmi Mr.R.Anand Babu Mr.V.M.Suresh
Name of the Agency	AFESHEE TRAVEL Vedharanyam, Nagapattinam - Dt
Type of Project	Consultancy work
Duration	August 2019 – May 2020
Project Cost	1,20,000

S.No	Description	Amount (in Rs.)
A	Salary for Project Coordinators (12 months*Rs.1000/pm)	36000
	Salary for Technical Assistant (12 months * Rs.1000/pm)	12000
Total		48,000
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Total		25,000
D	Travel	5,000
E	Total of A+B+C+D	1,13,000
F	Institutional overhead charges	7,000
G	Total Cost of Project	1,20,000

This certificate is an acknowledgment of the expenditure incurred in executing the consultancy work mentioned above. The accounts are duly submitted to the R&D Cell and verified by the principal.

V.M. - Sml

Name and Signature of the
Coordinator



Ramabalan

Name and Signature of
Head of Institution
With seal

Dr. S. RAMABALAN, M.E., Ph.D.,
Principal
E.G.S. Pillay Engineering College
Nagapattinam - 611 002

SUN FIBER BOATS & SEA FOODS

No.11,Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN: 33BJOPM7318D1Z7
Ph.8610447629

To

27-08-2019

The Principal

EGS Pillay Engineering College

Nagapattinam

Sir,

Sub: FRP boat order – reg.

With reference to our discussion with you and Dr.V.Sivaraman, we are interested to give order to deliver the boat with the following specifications

1. Length 42 feet
2. Breadth 11 feet
3. Height 4 feet

The boat should have two engines with maximum capacity of 50 HP each. The cabin size must accommodate minimum 3 to 4 person with steering wheel and other necessary accessories. We can pay Rs.8,42,000 (Eight lakhs forty two thousand only) for the entire project, if you are interested kindly send your acceptance immediately.

Thanking You



With regards





E.G.S. PILLAY ENGINEERING COLLEGE(Autonomous)

NAGAPATTINAM - 611 002.

Accredited by NBA (CSE, EEE, Mech, CIVIL, ECE & IT) Accredited by NAAC with 'A' Grade
An ISO 9001:2008 Certified Institution
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



Dr. S. RAMABALAN M.E.Ph.D.,
PRINCIPAL

Ref: EGSPEC/SEPTEMBER/2019

12/09/2019

To

Shri.B.Mohan
Proprietor
Sun fibre boats and sea foods
Nagore
Tamilnadu-611002.

Sir

Sub: Consultancy work-reg

Greeting from E.G.S.Pillay Engineering College, Nagapattinam.

We are happy to inform you that we are doing consultancy work in the field of Mechanical Engineering.

Hence we request you to kindly give a positive response from your side.

Thanking you,

Yours truly,

Dr.S.Ramabalan

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



**E.G.S. PILLAY ENGINEERING
COLLEGE(Autonomous)**

NAGAPATTINAM - 611 002.

Accredited by NBA (CSE, EEE, Mech, Civil, ECE & IT) Accredited by NAAC with 'A' Grade
An ISO 9001:2008 Certified Institution

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



**Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL**

Ref: EGSPEC/SEPTEMBER/2019

24/09/2019

To

Shri.B.Mohan
Proprietor
Sun fibre boats and sea foods
Nagore
Tamilnadu-611002.

Sir

Sub: Consultancy work-reg

Greeting from E.G.S.Pillay Engineering College, Nagapattinam.

First of all I thank to your company to give this opportunity to do the consultancy work and I agree to come on

26.09.2019

Thank you

Yours truly

Dr.S.Ramabalan

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002

Grams : 'EGSP' Personal : 251114, Office : 251112, Chairman : 224522, Hostel : 251348, Fax : (04365) 251114
Web site : www.egspec.org



**E.G.S. PILLAY ENGINEERING
COLLEGE(Autonomous)**

NAGAPATTINAM - 611 002.

Accredited by NBA (CSE, EEE, Mech, Civil, ECE & IT) Accredited by NAAC with 'A' Grade
An ISO 9001:2008 Certified Institution

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



**Dr. S. RAMABALAN M.E.Ph.D.,
PRINCIPAL**

Ref: EGSPEC/MECH/OCTOBER/2019

05/10/2019

To

Shri.B.Mohan
Proprietor
Sun fibre boats and sea foods
Nagore
Tamilnadu-611002.

Sir

Sub: Consultancy work-reg

Greeting from E.G.S.Pillay Engineering College, Nagapattinam.

We are happy to inform you that herewith we attached the technical specification and description of the consultancy work for you reference and fix a date for meeting to discuss about the consultancy work and budget details.

Thank you

Yours truly

Dr.S.Ramabalan

**Dr. S. RAMABALAN, M.E.Ph.D.,
PRINCIPAL**

**E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.**

Grams : 'EGSP' Personal : 251114, Office : 251112, Chairman : 224522, Hostel : 251348. Fax : (04365) 251114
Web site : www.egspec.org



**E.G.S. PILLAY ENGINEERING
COLLEGE(Autonomous)**

NAGAPATTINAM - 611 002.
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An ISO 9001:2008 Certified Institution
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



**Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL**

Ref: EGSPEC/SEPTEMBER/2019

26/09/2019

Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.	01
3	Date	26/09/2019
4	No. of Attendees	2

Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	<i>Mohan</i>
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	<i>Sivaraman</i>

Memorandum of Understanding

The memorandum of understanding is entered on this 3rd February, 2019 between Sun fiber boat and sea foods, nagore, Tamilnadu-611002, here in after called the party of the first part represented by Shri.B.Mohan, Proprietor, Sun fiber boat and sea foods.

And

Department of Mechanical Engineering, E.G.S.Pillay Engineering College, Old nagore road, Nagapattinam, Tamilnadu-611002, her in after called the party of the second part represented by Dr.V.Sivaraman, Professor, E.G.S.Pillay Engineering college here in after called the party of the second part. We are happy to sign Memorandum of Understanding for the purpose of doing consultancy work for the title "Design and fabrication of FRP Boat for the use of fishing purpose" The period from September 2019 to March 2020 (6 months). We accept and satisfy the requirement from both side and it is very good platform for us.
This MOU is effect from 26.09.2019

Mohan

On behalf of Proprietor



Ramabalan

On behalf of EGSPEC
**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

Grams : 'EGSP' Personal : 251114. Office : 251112, Chairman : 224522, Hostel : 251348, Fax : (04365) 251114
Web site : www.egspec.org

SUN FIBER BOATS & SEAFOODS

No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN:33BJOPM7318D1Z7
Ph.8610447629

REF: EGSPEC/DECEMBER/2019

05/12/2019

To

Dr.S.Ramabalan
Principal
E.G.S.Pillay Engineering College
Nagapattinam
Tamilnadu-611002

Sir

Sub: Consultancy work-reg

Consultancy second minutes of meeting conducted with below mentioned field experts as on date

10.6.2019.

Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.	02
3	Date	05.12.2019
4	No. of Attendees	3

Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	Moh
2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	Raj
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	Siv

SUN FIBER BOATS & SEAFOODS

No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN:33BJOPM7318D1Z7
Ph.8610447629

28.03.2020

Certificate of Appreciation

On behalf of the company I sincerely thank the R&D department of E.G.S.Pillay Engineering College for their excellent consultancy work in manufacturing fibre boat as per our specific requirements. I also thank the Principal Dr.S.Ramabalan and Dr.V.Sivaraman for their timely support and help in finishing the project on time. Our customer was very happy with the boat design and finishing. In future we request you to help to complete similar projects for our company.



For SUN FIBRE BOAT AND SEA FOODS

Authorized Signatory



SUN FIBER BOATS & SEA FOODS

No.11,Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN: 33BJOPM7318D1Z7
Ph.8610447629

To

27-08-2019

The Principal
EGS Pillay Engineering College
Nagapattinam

Sir,

Sub: FRP boat order – reg.

With reference to our discussion with you and Dr.V.Sivaraman, we are interested to give order to deliver the boat with the following specifications

1. Length 42 feet
2. Breadth 11 feet
3. Height 4 feet

The boat should have two engines with maximum capacity of 50 HP each. The cabin size must accommodate minimum 3 to 4 person with steering wheel and other necessary accessories. We can pay Rs.8,42,000 (Eight lakhs forty two thousand only) for the entire project, if you are interested kindly send your acceptance immediately.

Thanking You



With regards





**E.G.S. PILLAY ENGINEERING
COLLEGE(Autonomous)**

NAGAPATTINAM - 611 002.

Accredited by NBA (CSE, EEE, Mech, Civil, ECE & IT) Accredited by NAAC with 'A' Grade
An ISO 9001:2008 Certified Institution
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**Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL**

Ref: EGSPEC/SEPTEMBER/2019

12/09/2019

To

Shri.B.Mohan
Proprietor
Sun fibre boats and sea foods
Nagore
Tamilnadu-611002.

Sir

Sub: Consultancy work-reg

Greeting from E.G.S.Pillay Engineering College, Nagapattinam.

We are happy to inform you that we are doing consultancy work in the field of Mechanical Engineering.
Hence we request you to kindly give a positive response from your side.

Thanking you,

Yours truly,

Dr.S.Ramabalan

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.**



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**Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL**

Ref: EGSPEC/SEPTEMBER/2019

24/09/2019

To

Shri.B.Mohan
Proprietor
Sun fibre boats and sea foods
Nagore
Tamilnadu-611002.

Sir

Sub: Consultancy work-reg

Greeting from E.G.S.Pillay Engineering College, Nagapattinam.

First of all I thank to your company to give this opportunity to do the consultancy work and I agree to come on
26.09.2019

Thank you

Yours truly

Dr.S.Ramabalan

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002

Grams : 'EGSP' Personal : 251114, Office : 251112, Chairman : 224522, Hostel : 251348, Fax : (04365) 251114
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**E.G.S. PILLAY ENGINEERING
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**Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL**

Ref: EGSPEC/MECH/OCTOBER/2019

05/10/2019

To

Shri.B.Mohan
Proprietor
Sun fibre boats and sea foods
Nagore
Tamilnadu-611002.

Sir

Sub: Consultancy work-reg

Greeting from E.G.S.Pillay Engineering College, Nagapattinam.

We are happy to inform you that herewith we attached the technical specification and description of the consultancy work for you reference and fix a date for meeting to discuss about the consultancy work and budget details.

Thank you

Yours truly

Dr.S.Ramabalan

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

**E.G.S. PILLAY ENGINEERING COLLEGE
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Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL

Ref: EGSPEC/SEPTEMBER/2019

26/09/2019

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On behalf of Proprietor



On behalf of EGSPEC
Dr. S. RAMABALAN, M.E., Ph.D.,
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No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN:33BJOPM7318D1Z7
Ph.8610447629

REF: EGSPEC/DECEMBER/2019

05/12/2019

To

Dr.S.Ramabalan
Principal
E.G.S.Pillay Engineering College
Nagapattinam
Tamilnadu-611002

Sir

Sub: Consultancy work-reg

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2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	Prof
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	Sivaraman

SUN FIBER BOATS & SEAFOODS

No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN:33BJOPM7318D1Z7
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28.03.2020

Certificate of Appreciation

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For SUN FIBRE BOAT AND SEA FOODS

Authorized Signatory



CONSULTANCY PROJECT

ON

CABLE TV OPERATOR BILLING MANAGEMENT SYSTEM

WORK DONE BY

Mrs.A.HEMA

ASSISTANT PROFESSOR

Mr.S.SELVAGANAPATHY

ASSISTANT PROFESSOR

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

E.G.S PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002,

TAMIL NADU

<http://www.egspec.org>

Ph: 04365 - 251112

CUSTOMER ADDRESS

SRI SAI CABLE TV CABLE VISION

No 4, VKV Complex,

Sirangudipuliyur, Bypass Rd, Nagore, Sikkal,

Tamil Nadu 611104



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

DEPARTMENT OF MCA

CABLE TV OPERATOR BILLING MANAGEMENT SYSTEM CONTENTS

S. No	DETAILS	PAGE No.
Main Report		
01	Requisition Letter to Cable operator	
02	Institution Profile	
03	Department of MCA	
04	Acceptance letter from Exam Cell	
05	Project Proposal	
06	Budget	
07	Project Coordinator Details –Appendix -1	
08	Project Review Meeting	
09	Certificate from Company and Payment Derails	



**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM - 611002**

**Accredited by NAAC with 'A' Grade
(An ISO 9001:2008 Certified Institution)**

(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref. No: EGSPEC/CW/MCA/CAMS/2019/01

03/07/2019

To

Mr. Gopalakrishan
Sri Sai cable TV Cable
No 4, VKV Complex,
Sirangudipuliyur,
Bypass Rd, Nagore, Sikkal,
Tamil Nadu 611104

Sir

Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

We are performing some consultancy work in our department to intervene the manual generated works. We come to know that your follows so many manual works during the cable operator system and you have large strength of students, if you want the thighs to be altered we are ready to support you .Also we enclose the details about us . Hence , we kindly request you to give an opportunity

Thanking you

With Regards

[Mrs. A.HEMA]

Contact Details

Mr. A.Hema,
Assistant Professor,
Department of MCA,
E.G.S. Pillay Engineering College,
Nagapattinam,
Contact NO 7598690251.

Ref. No: SAISRI/CW/MCA/CO/2019/01

04/08/2019

To:

Mrs. A.Hema
Assistant Professor
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam

Respected Madam

As a conversational expression of gratitude, we received your requisition letter we are in necessitate of (Cable Operate Management System “ software for our Department of foreshorten the manual work. Since there are more number of customer in village I, hope your project will satisfy our requirements as We are contrived to accept your request , we are awaiting for more details about your project as early possible

Thank you

Sincerely,


S. Gopalakrishan

1. INSTITUTION PROFILE

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2nd January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19th year of excellent service in the year of 2014. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,

The college offers 6 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

UG Courses:

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology

PG Courses:

Master of Business Administration
Master of Computer Applications
M.E – Manufacturing Engineering
M.E – Computer Science and Engineering
M.E – Communication Systems
M.E – Power Electronics and Drives

Vision of the Institute

Envisioned to transform our institution into a "Global Centre of Academic Excellence"

Mission of the Institute

- i. To provide world class education to the students and to bring out their inherent talents
- ii. To establish state-of- the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes
- iii. To recruit competent faculty and staff and to provide opportunity to upgrade their
- iv. knowledge and skills
- v. To have regular interaction with the Industries in the area of R&D and offer consultancy, training and testing services
- vi. To establish centers of excellence in the emerging areas of research
- vii. To offer continuing education and non-formal vocational education programmes that are beneficial to the society

2. DEPARTMENT PROFILE

The department of computer applications focuses on making industry ready IT professionals by imparting quality computer education along with excellent interpersonal skills. It offers 3 years Full time MCA course to the students. Started in the year of 2001, the course was approved by Bharathidasan University, Trichirappalli. In 2003, Anna University, Chennai recognized and approved the course. The current intake of students is 60 per academic year.

DEPARTMENT VISION

To produce software professionals with Academic Excellence in Computer Applications

DEPARTMENT MISSION

- To make software professionals and entrepreneurs by imparting quality computer education.
- To promote inter-disciplinary research among the faculty and the students to create state of art research facilities.
- To prepare the students to be professionally competent to face the challenges in the industry.

To promote quality and ethics among the students.

Programme Educational Objectives (PEO)

The PEO of MCA programme are as follows.

PEO1: To employ solid foundation in mathematical and computing fundamentals and techniques to develop software solutions.

PEO2: To apply good computing breadth so as to comprehend, analyze, design and create computing solutions for the real-life problems and entrepreneurial skills with arich set of communication, teamwork and leadership skills to excel in their profession.

PEO3: To show continuous improvement in their professional career through life-long learning, understand the human values and ethics.

PO11: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

PO12: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

V. Program Specific Outcomes (PSO)

Graduates will be able to

PSO 1: Apply software engineering principles in the design and development of web and mobile applications

PSO 2: Manage and analyze huge volume of data in real world problems

Features of the Department

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields
- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programmer like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department library has an extensive collection of academic books in the areas of latest technologies
- The department has stable, highly qualified and experienced staff members in the staff student ratio of 1:15

IV Program Outcomes (PO)

Graduates will be able to

PO1: Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

PO2: Identify, formulate, research literature, and solve *complex* computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

PO3: Design and evaluate solutions for *complex* computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to *complex* computing activities, with an understanding of the limitations.

PO6: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.

PO7: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

PO8: Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO9: Communicate effectively with the computing community, and with society at large, about *complex* computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PO10: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

Laboratory facilities

Each laboratory is fully equipped to meet the requirement of Anna University Syllabi. The students can train themselves in the Laboratories with the guidance of the faculty during and after the college hours. The laboratory facilities are constantly upgraded to take care of the technological Changes in the respective disciplines.

Department Servers and Software Details

- Microsoft Windows Server 2003
- Linux Fedora v19
- Oracle 11i Data base Server Workstations
- 471 Core i3 and Pentium based systems with multimedia facilities
- Capable of getting connected to all server and every other systems over TCP/IP backbone
- All systems having access with Internet/Intranet
- Software
- Microsoft Windows Server 2003
- CentOS 5.3 (For C & C++ programming and Script languages)
- Free BSD
- Oracle 11i
- IBM DB2
- PowerBuilder
- Sybase
- Microsoft Office 2007
- Microsoft Visual Studio 6.0
- Microsoft Visual Studio 2010
- Mathematica
- IDL (Image Processing Tools)
- MathCAD
- IBM Rational Suite and IBM Rational Architect
- Macromedia Flash and Dreamweaver
- Front Page Express
- Novell Netware
- Adobe Photoshop
- Network Simulator – 2 (Free Ware for Both Windows and Linux)
- .netbeans Developer
- Sun JDK, J2EE and J2ME
- Internet Facilities
- 16 Mbps leased line from Reliance

Priority Research Areas

1. Cloud Computing
2. Data Analysis
3. Data Mining and Warehousing
4. Network Security
5. Image Processing
6. Mobile Application Development
7. Ubiquitous Computing
8. Sensor Computing

Annexure V

E-Mail : karusnehem@gmail.com
Mobile:7598690251

Mrs.A.Hema

Objective

Driven by strong passion towards teaching, seeking challenging opportunity as teaching professional in a reputed educational institution.

Academic Profile

- ✓ Master of Philosophy (**M.Phil**), Alagappa University, karaikudi.
- ✓ Master of Computer Applications (**MCA**), Madurai Kamaraj University, palkalai Nagar, Madurai.
Passed out with first class during 2001 securing 66% of marks.
- ✓ Bachelor of Chemistry (B.Sc), Sri Meenakshi college for Women, Madurai , Affiliated to Madurai Kamaraj University.
Passed out with first class during May 1995 securing 86% of marks.
- ✓ **HSC**, E.V.R. Girls Higher Secondary School
Passed out during **March 1992** securing 66% of marks.
- ✓ **SSLC** St. Antony's Girls High School, Koodal Nagar, Madurai..
Passed out during **April 1990** securing 80% of marks.

Subjects Handled

- ✓ Middleware Technologies
- ✓ Object Oriented Programming
- ✓ Software Engineering
- ✓ Software Project Management
- ✓ Computer Graphics and Multimedia Systems
- ✓ Operating Systems
- ✓ Computer Networks
- ✓ Software Testing
- ✓ Service Oriented Architecture

Research Interest

- ✓ Image Processing and Biometrics
- ✓ Cloud Computing
- ✓ Computer Networking

Paper Publications

Journal

- ✓ **“State-of-the-Art Invisible Watermarking Technology within Media Files”** published in **“CIIT International journal of Artificial Intelligent Systems and Machine Learning”** – August 2011 ISSN 0974- 9667.

IEEE Xplore

- ✓ **“SAAS flavoured cloud computing implementation in Indian universities an Imagineering thought”** published in **“IEEE Xplore Digital Library”** – June 2012 ISSN 978-1-4673-0213-5

Conference

- ✓ **“National conference on advanced computing and communication technologies “** organized by E.G.S Pillay Engineering College, Nagapattinam – 2009 .
- ✓ **“International conference on advances in engineering, and technology”** organized by E.G.S Pillay Engineering College, Nagapattinam – March 2011 .
- ✓ **“International conference on advanced in engineering ,science and management”** organized by E.G.S Pillay Engineering College, Nagapattinam – March 2012 .
- ✓ **PHP Programming workshop using “DRUPAL TOOL”-Preconference** organized by E.G.S Pillay Engineering College, Nagapattinam – March 2013 .
- ✓ **“Efficient Human Skin Detection using a fusion approach”** published in **“IEEE International Conference on Research and Development Prospects on Engineering and Technology ICRDPET-2013”** organized by E.G.S Pillay Engineering College, Nagapattinam – March 2013 .
- ✓ **“Analysis study of content image retrieval versus context image retrieval”** published in **“CSI and ISTE sponsored national conference NCASEM -2013”** organized by E.G.S Pillay Engineering College, Nagapattinam – 28th September 2013. .
- ✓ **“Retinal Layer Analysis From 3-D oct”- Published in “International conference on Advances in engineering and technology”** organized by E.G.S Pillay Engineering College”, Nagapattinam – March 2014 .
- ✓ **“Farwell Brain Fingerprinting a new paradigm in criminal investigations”** Published in **“IJARET 2014”- organized by E.G.S.PillayEngineering College, Nagapattinam – May 2014.**
- ✓ **“Image Tamper Detection Based On Demosaicing Arifacts” – ICRDICT** organized by E.G.S.PillayEngineering College, Nagapattinam May 2015.
- ✓ **A Survey Paper on Virtual Machines Overloaded in Bigdata Computing Using Cyber Algorithm OIEEE ICIOT** organized by E.G.S.PillayEngineering College, Nagapattinam 2017.
- ✓ **A Survey Paper on Cloud Computing Security and Outsourcing Data Mining in Cloud Plat**

Form-IEEE ICIOT organized by E.G.S.PillayEngineering College,Nagapattinam 2017.

- ✓ **Review on Multidimensional indexing Using R*-Tree Algorithm for efficient content Based image retrieval.-ICETMSH organized by E.G.S.PillayEngineering College,Nagapattinam 2016.**
- ✓ **Vital Role Using Digital Watermarking with Data Security-ICEMSH organized by E.G.S.PillayEngineering College,Nagapattinam 2016.**
- ✓ **Mechanized Palm Detection and Prediction(PalMISTRY) on Image Processing Techniques- ICETMSH organized by E.G.S.PillayEngineering College,Nagapattinam 2016.**
- ✓ **SOA with Cloud Computing in Business Application-NCRTCSEA,EGSPEC,Department of CSE-2016.**

Seminar

- ✓ **“Research directions in cloud computing” organized by A.V.C College of Engineering, Mayiladuthurai, -2011 .**
- ✓ **“A Novel Security model for storing sensitive data on the cloud” published in “National level seminar on IT Applications for Business and Service organization” organized by R.V.S College of Computer Applications, Karaikal – March 2012.**
- ✓ **Recent Trends in “BIG DATA ANALYTICS “ Organized by SIRISSAC NEWTON ARTS AND SCIENCE COLLEGE.Nagapattinam-2016.**

Courses Attended

Faculty Development Program

- ✓ **“Free Open Source Software-FOSS” FDP organized by by E.G.S Pillay Engineering College, Nagapattinam on 09-04-2012.**
- ✓ **“Research Directions in Cloud Computing ” State level FDP organized by A.V.C College of Engineering, Mayiladuthurai on 24-09-2011.**
- ✓ **“Cloud Computing and its Applications” State level FDP organized by E.G.S Pillay Engineering College, Nagapattinam on 09-04-2012.**
- ✓ **“XML and Web Services” one week Anna University, Center for Faculty development sponsored FDP organized by A.V.C College of Engineering, Mayiladuthurai from 03-12-2012 to 09-12-2012.**
- ✓ **“Data Warehousing and Data Mining” one week Anna University, Center for Faculty development sponsored FDP organized by E.G.S Pillay Engineering College, Nagapattinam from 02-12-2013 to 08-12-2013.**
- ✓ **“Recent trends in software engineering” organized by Periyar maniammai university on 2013.**

- ✓ **“CS2402 – Mobile And Pervasive Computing”** Organized by computer Engineers Association, Department of CSE, E.G.S. Pillay Engineering College, Nagapattinam From 11.05.2015 to 17.05.2015.
- ✓ **“Data Analytics”**-CSI Sponsored Faculty Development Programme Organized by EGSPEC- Department of IT.
- ✓ **IBM Bluemix**-Conducted by ICT Academy of TamilNadu, 2016.

Staff Development Program

- ✓ **“Advances in Research and Development of Autonomous Robots”** two weeks AICTE sponsored SDP organized by E.G.S Pillay Engineering College, Nagapattinam from 07-05-2012 to 18-05-2012.

Short Term Training Programme:

- ✓ **Data Science – Hands on Session with Open Source Tools** Organized by A.V.C. College of Engineering-2016.
- ✓ **Web based Content Development Using Moodle through ICT**-Organized by EGSPEC, Department of CSE, 2016.

Workshop

- ✓ **“PHP Programming workshop using “DRUPAL TOOL”-Preconference”** workshop organized by E.G.S Pillay Engineering College, Nagapattinam, on 2013.
- ✓ **“Internal colloquium on Biovision”** workshop organized by UGC-Academic Staff college, Bharathidasan University, Trichy and A.D.M. College for Women (Autonomous), Nagapattinam, on 16-03-2006 and 18-03-2006.
- ✓ **“Java, Don Net, and Embedded”** workshop organized by IWIZ BLUECHIP -2010.
- ✓ **“C# ,.Net”** workshop organized by A.V.C. College of Engineering on 27-08-2013 and 28-08-2013.
- ✓ **“Effective Research in Computer Technology”** one day National workshop organized by Bharathiyar college of Engineering and Technology, Karaikal on 16-02-2013.
- ✓ **“PHP Programming using Drupal Tool”** Pre conference workshop organized by E.G.S Pillay Engineering college, Nagapattinam on 28-03-2013.
- ✓ **“Computer Programming”** workshop organized by A.V.C. College of Engineering on 27-08-2013 and 28-08-2013.
- ✓ **“National workshop on effective research in computer”** organized by Bharathiyar college of Engineering and Technology, Karaikal on 2013.
- ✓ **PHP and MySQL** -workshop organized by Bharathiyar college of Engineering and Technology, Karaikal on 2014.
- ✓ **.Net framework and web application development** -workshop organized by Ocean software

solution on 2014

- ✓ IPR Issues in Cloud Resource Provisioning"-Two days workshop Organized by Department of Computer Science,Pondicherry University Karaikal Campus,3rd&4th September,2015.
- ✓ SAP- Systems Applications and Products in Data Processing-Workshop Organized by Purple Pro Info Tech,Coimbatore.7.09.2015 & 8.09.2015
- ✓ Exploring the Power of 'C' –Workshop Organized by A.V.C.College of Engineering,18.09.2015
- ✓ Big Data Tools:Hive and Pig-Workshop Organized by A.V.C.College of Engineering College. 9.10.2015
- ✓ Text Analytics-Two day National Workshop organized by Pondicherry University karaikal Campus-2016.
- ✓ Research Methodology and funding opportunities-One day Workshop organized by EGSPEC, 2017.

Awards won

- ✓ won cash award for more than 5 times for producing 100% subject result
- ✓ won cash award for more than 6 times for producing more than 90% subject result

Membership in Professional Bodies

- ✓ Life Member in the "Indian Society for Technical Education" (ISTE), M.No:LM73853

Personal Details

Name : Hema. A

Gender : Female

Date of Birth : December 10th 1976

Nationality : Indian

Community : BC

Father's Name : T.G.Ananga Veera Raman

Mother's Name : R.Govindammal

Marital Status : Married

Permanent Address : Yadavapuram,
Thethakudi South sethi,
Vedaraniam-641 809

Hobbies : Reading Books, surfing on the internet .

References

Prof.Mrs.J.Vanitha,
Associate Professor,
Department of Computer Science
E.G.S.Pillay Arts and Science College,
Nagapattinam – 611 001

Mobile : 9443728519

Mail : vani77_muthu@yahoo.co.in

Declaration

I hereby declare that above furnished information are true to the best of my knowledge and belief.

Date:

Place: Nagapattinam

Yours truly,


(Mrs.A..Hema)



S. SELVAGANAPATHY MCA, (PH.D)

ASSISTANT PROFESSOR

EMAIL: sganapathy84@gmail.com

MOBILE: + 91 9487691901, 9710196914.

OBJECTIVE

Driven by strong passion towards teaching, seeking challenging opportunity as teaching professional for giving the practical knowledge which makes the student's career progressive in a reputed educational institution.

SKILLS

- VMWare certified Trainer
- Soft Skill Trainer
- C Programming Trainer
- R Programming
- PHP, Dot NET
- Leadership
- Social Entrepreneur

TEACHING EXPERIENCE (5 YEARS 8 MONTHS)

E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.

From 16-07-2012 To Till Date.

Working as a teaching faculty in Computer Applications Department.

INDUSTRIAL EXPERIENCE (3 YEARS 5 MONTHS)

SEA CONSORTIUM SHIPPING INDIA PVT LTD, CHENNAI.

From 01-04-2011 to 10-07-2012

Worked as a Software Developer

SPAZIO IMPEX PVT LTD, CHENNAI.

From 02-01-2010 to 28-02-2011

Worked as a Software Developer

REPUTE EXPRESS INDIA PVT LTD, CHENNAI.

From 05-02-2009 to 10-12-2009

Worked As A Software Developer

EDUCATION

- Pursing Ph.D (Part Time) in Anna University, Chennai.
- M.C.A. Passed Out In 2008 With 73% From Bharathiyar College Of Engineering And Technology, Thiruvettakudi, Karaikal, Pondicherry University.
 - Successfully organized national level technical symposium.
 - Received best out gone student award.
- B.C.A Passed Out In 2004 With 59% From T.B.M.L Arts And Science College, Porayar, Bharathidasan University.

SS

S.SELVAGANAPATHY MCA, (PH.D)

1BASSISTANT PROFESSOR

EMAIL: SGANAPATHY84@GMAIL.COM

MOBILE: + 91 9487691901, 9710196914.

VOLUNTEER EXPERIENCE OR LEADERSHIP

- Successfully Organized Two International and Three National Conferences.

COMMUNICATION

- Given one day guest lecture at Bharathiyar College of Engineering and Technology on the topic "R Programming" on 15-07-2017.

ACHIEVEMENTS

- ✓ Received sponsor from TNSCST to conduct one week workshop on **VMware virtualization**.
- ✓ Produce more than 95% results in all university exams till now.
- ✓ Successfully counsel the students to become entrepreneur and guiding the innovative consultancy projects.
 - As of now 3 startup company's started by our guidance.

CERTIFICATIONS & COURSES

- ✓ Two Weeks FDP on C Programming "**E-Box**", E-Box Academy, Coimbatore , 2014. Got Certificate for C Programming Trainer.
- ✓ Two Weeks FDP on "**VSphere**", VMware Bangalore, 2015. Got Certificate for VMWare VSphere Trainer.
- ✓ One Week National Workshop on Data Analytics with "**R Programming**", Annamalai University, Chidhambaram, 2016.
- ✓ Two Week FDP on **Entrepreneurship Development** Sponsored by NSTEDB
- ✓ One Week Skill development program and Entrepreneur for **PM Yuva Yojana Entrepreneurship Faculty educator program** on
- ✓ 2017. Got Certificate PM Yuva Yojana Faculty Felicitator



SS

S.SELVAGANAPATHY MCA, (PH.D)

1BASSISTANT PROFESSOR

EMAIL: SGANAPATHY84@GMAIL.COM

MOBILE: + 91 9487691901, 9710196914.

CONFERENCE ATTENDED

- International conference on advanced in engineering, science and management @ 2012.
- International conference on Advances in engineering and technology @ 2014.
- International conference on research and development in information & communication technology @2016.
- National Level seminar on "recent trends in BIG DATA
- National conference on recent trends in computer science and applications

PUBLICATIONS

- "Automatic Image Tagging using template model for domain specific images", IJARET, 2014.
- "Farwell Brain Fingerprinting A New Paradigm In Criminal Investigations", IJAER, 2015.

SUBJECT & LABORATORY HANDLED

- Software Project Management and Project Development Lab
- Computer Graphics and Multimedia and Multimedia Lab
- Object oriented analysis and design & Case tools Lab
- Computer Organization
- Professional Ethics
- Object Oriented Programming Lab

SS

S.SELVAGANAPATHY MCA, (PH.D)

1BASSISTANT PROFESSOR

EMAIL: SGANAPATHY84@GMAIL.COM

MOBILE: + 91 9487691901, 9710196914.

HONORS AND AWARDS

- Won cash award for 6 times for producing 100% subject result.
- Won cash award for 3 times for producing more than 95% subject result.
- Best Project selected during Internal Quality Audit.
- Organized and involved in training the junior team members.

RESPONSIBILITIES HELD

- Class coordinator.
- Department NBA coordinator.
- Department Placement coordinator.
- International conference coordinator.
- Discipline committee member.
- Coordinator for various department programs.
- Department EDC Coordinator come PM YUVA YOJANA trainer.

REFERENCE

Mrs. J. Vanitha, (Associate Professor & Head),
Department of Computer Applications,
E.G.S Pillay Engineering College, Nagapattinam 611 002.
Mobile: 9443728519 Mail: vanitha@egspec.org

DECLARATION

I hereby declare that the above information is true to the best of my knowledge and belief.

Yours Sincerely,



(S. Selvaganapathy)



**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM - 611002**
Accredited by NAAC with 'A' Grade
(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref. No: EGSPEC/MCA/CW/CAMS/2019/02

Date: 26.07.2019

To

Mr. Gopalakrishan
Sri Sai cable TV Cable
No 4, VKV Complex,
Sirangudipuliyur,
Bypass Rd, Nagore, Sikkal,
Tamil Nadu 611104

Respected sir

We have attached accomplished project proposal according to your kind reference. we hope that our project will be successful if have good communication between us. So I kindly request you to fix one date for discussing the project details .in this meeting we will discourse the following project requirements, documents

We are waiting for your positive reply

Thanking you

With regards


[Mrs. A.HEMA]

Contact Details
Mrs.A.HEMA
Assistant Professor
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam
Contact NO 7598690251

Ref. No: SAISRI/CW/MCA/CO/2019/02

10/11/2019

To:

Mrs. A.Hema
Assistant Professor
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam

Respected Madam

Thanks for your concern, it will be favour for us if your can unionize the review meeting for the discussion for project proposal on 22.11.2019 . We here by put the demand of following details such as project coordinators details, evaluations model and completed status for each module. I hope two move review will be arranged to check the progress of your consultancy work. It will be tentatively on 06.12.2019 and 12.02.2020 . We Would like to furnish the following requirements of us

Thank you

Sincerely,


S. Gopalakrishnan

1. PROJECT PROPOSAL

01	Title of the Project	:	Cable TV operator Billing Management System
02	Type of the Project	:	Consultancy Work
03	Name & Designation of the Project Coordinators	:	Mrs.A. HemaAP/MCA Ms.SelvagapathyhyAP/MCA
04	Postal Address of the Principal Investigator	:	Old Nagore Road, Thethi Village, Nagore - Post, Nagapattinam - 611 002
05	Contact Phone numbers of the Project Coordinators	:	Mrs. A.Hema AP/MCA Project Coordinator Contact No. 7598690251 Email:hema@egspec.org
06	Name of the Institution / Organization in which the project will be carried out	:	E.G.S Pillay Engineering College, Nagapattinam
09	Duration of the Project	:	July 2019 - April 2020
10	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	:	Enclosed separately - Annexure 1
11	An abstract, not exceeding one page describing the background, objectives methodology & year wise budget	:	Enclosed separately - Annexure 2
12	Project Work Plan	:	Enclosed separately - Annexure 3
13	Facilities available at the Institution / organization to carry out the project	:	Open Source Lab, Cloud Campus, Android Apps development Centre...
14	Expected Outcome	:	Enclosed separately - Annexure 4

Place :Nagapattinam

Date: 03.09.2019 .



Signature of the

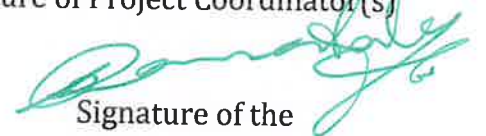
Head of the Department

with Seal

Dr.J. VANITHA
Head of the Department
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam - 611 002.



Signature of Project Coordinator(s)



Signature of the

Head of the Institution

with Seal
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

Annexure - 1

DETAILS OF BUDGET

A	Description	Total(Rs)
	Expenses Recurring /Non -Recurring(salary/cost of labor, software development, Travel and others	6000
B	Testing & Documentation charge	500
C	Institutional overhead charge	850
D	Total Charges(A+B+C)	7350
E	Service Tax(12%)	882
F	Education Cess(3%) of(Service Tax)	26
G	Total Amount	8,258

Annexure - 2

ABSTRACT

“Cable TV Operator Billing Management System ” is integrated and automation software for cable operators. Cable operators will distribute TV channels to their customers for that they charge some money monthly. To maintain their customers and the number of users this software provides automation. In this COM System, they can main their staff member’s details and customer details. By using this COM System they can divide their areas macro parts to micro parts. By using this system they can meet their business requirements. Cable Operators once they divided their areas into micro parts then they can assign their staff members to take care of their micro part areas.

Software Requirements:

OPERATING SYSTEM	: WIN NT
FRONT END	: VB.NET
BUSINESS LOGIC	: VB.NET
DATABASE	: MS.Access

Hardware Requirements:

PROCESSOR	: P3 or HIGHER
RAM	: 512MB
HARD DISK	: 20GB

Annexure - 3**WORK PLAN**

Phase	Cycle	Primary Objective	Scheduled start or milestone	Duration Estimate
Inception / Requirements Analysis	C1	<ul style="list-style-type: none">✓ Analyzing Requirements✓ Collecting Project Requirements	July 2019	30days
Elaboration	C2	<ul style="list-style-type: none">✓ Identifying Technical Assistant✓ Installation and Setup	August 2019	31days
Designing	C3	<ul style="list-style-type: none">✓ Designing Prototype Model✓ Project Review Status Preparation Submission✓ Project Modules Preparation	September 2019	31days
Implementation	C4	<ul style="list-style-type: none">✓ Start to develop Coding each Modules✓ Preparing Workspace model and verify with abstract.✓ Identify the Risk and Measure the values of on it.	October 2019	30 days
Construction	C5	<ul style="list-style-type: none">✓ Complete the Project and meet with Abstract✓ Objectives and Outcome mapped with the Module✓ Project Final Phase meeting	November 2019	31days
Transitions /End	C6	<ul style="list-style-type: none">✓ Preparing Documentation Part✓ Final Project Presentation	December 2019	31days

EXPECTED OUTCOMES

- External Outputs, whose destination is outside the organization, Internal Outputs whose destination is within organization and they are the user's main interface with the computer.
- Operational outputs whose use is purely within the computer department.
- Interface outputs, which involve the user in communicating directly



**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM - 611002**
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(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref. No: EGSPEC/CW/MCA/COMS/2019/03 Date: 19.09.2019

To

Mr. Gopalakrishan
Sri Sai cable TV Cable
No 4, VKV Complex,
Sirangudipuliyur,
Bypass Rd, Nagore, Sikkal,
Tamil Nadu 611104

Respected sir

SUB : Consultancy work -reg

As per the requirements given by during our project discussion we have attached completed project proposal for your kind reference. I kindly request you to fix one date for using the further project details . In this meeting we will discuss about project requirements , maintained , reporting budget details also

With regards

[Mrs. A.Hema]

Contact Details

Mrs.A.HEMA
Assistant Professor
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam
Contact NO 7598690251

ef. No: SAISRI/CW/MCA/CO/2019/03

20/03/2020

To:

Mrs. A.Hema
Assistant Professor
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam

Respected Madam

Thank you we are satisfied with your project that you have so far completed . It will be reformative to us if you completed the forthcoming module within the tentative date as project report are near the deadline

Thank you

Sincerely,


S. Gopalakrishnan

ef. No: SAISRI/CW/MCA/CO/2019/04

6/04/2020

To:

Mrs. A.Hema
Assistant Professor
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam

Respected Madam

We congratulate you and your team for successful completion of the "Cable Operator Management System" software as per our requirements . we have completely satisfied With the performance of the software after the demonstrator given by your team to us on 17.04.2020

Hence as discussed we have enclosed a Cheque no: 012345 date 06.04.2020 of Indian bank for Rs. RS. 8,258/-/- favoring " The principal E.G.S. Pillay Engineering College Nagapattinam

We once again felicitate the staff members' who have taken the project work and the faculty members

Sincerely,


S. Gopalakrishan

MINUTES OF MEETING

EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

DEPARTMENT OF MCA

PROJECT COORDINATORS LIST

S.NO	NAME OF THE PROJECT	PROJECT COORDINATORS	STUDENT COORDINAOTS
1	Cable Operator	MrsA.Hema AP/MCA	E19CAR002-GAYATHRI
	Management System	Mr. S.Selvaganapathy AP/MCA	E19CAR009-SASIREKA



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

Department of MCA UTILIZATION CERTIFICATE

Name of the project	Cable Operator Management System
Name of the coordinator	Mrs. A.Hema AP /MCA
Name of the Agency	Mr. S.Selvaganapathy SRI SAI CABLE TV CABLE VISION No 4, VKV Complex, Sirangudipuliyur, Bypass Rd, Nagore, Sikkal, Tamil Nadu 611104
Type of the project	Software Project
Duration	June 2019 -April 2020
Project cost	RS. 8,258/-

Certified that I have satisfied myself that the conditions on which the grant in aid was offered have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was offered

Grant Sanctioned	Details of Expenditure incurred ites wise	Amount (Rs)
8,258/-	1.Coordinator and Technical staff Honorarium	5,000.00
	2.working expenses (reprographics services, postage, transport daily wages tea/coffed etc.,)	500
	2. Contribution to institution	15222,00
	Total	7,022
	Amount Received (Rs.)	7,022
	Balance to be Received(Rs.)	1236

Signature of the
Head of the Department

with Seal
Dr. J. VANITHA
Head of the Department
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam - 611 002.

Signature of Project Coordinator(s)

Signature of the
Head of the Institution

with Seal
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



Branch DMMF
THANE, Maharashtra 40060700
IFS Code: IDIB003T129

06042020
D D M M Y Y Y Y

The Principal K.B.S Pillay Engineering college

Eight Thousand Two Hundred fifty

Eight Only/-

अदा करें

₹ 8,258/-

FOR

6029118258

CBS Code: 01591

G.B.S.P.
AUTHORISED SIGNATORY/IES
Please sign above

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Vr. No.:

VOUCHER

Dept :

Lab/WS :

Date : 06/04/20

Particulars	Rs.	Paise
Paid to Thiru Mrs. A. Hema Mrs. Selvasaran Pathy		
Towards San. W. Tank project [Cable TV Operator Billing management System]	8258	
A sum of Rupees Eight thousand Two Hundred and fifty eight only		
Received payment	8258	


Accounts Supdt.


Secretary


Principal

CONSULTANCY PROJECT

RCC RETAINING WALL TO ARREST WATER SEEPAGE IN THE NORTH SIDE POND

CONSULTANCY IN-CHARGE

Dr.R.Sivakumar M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Prof.V.Srinivasan M.E.,

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

2018 – 2019

E G S PILLAY ENGINEERING COLLEGE

NAGAPATTINAM – 611 002

TAMI NADU

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11	Payment Details	27
12	Final	28



E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
(Affiliated to Anna University Chennai)



Ref.No: EGSPEC/MRW/2018/PO3/03

Date: 25.05.2018

To

Mr.S.BASKARAN
Village Director,
M/s SOS Children's Village,
Nagapattinam - 611 001

Sir,

Sub: Commercial Building Maintenance, Repair and Retaining wall work.

We are Happy to inform you that we are doing Construction and Repair work for commercial and Retaining wall work. Hence we request you to kindly give a positive response from your side. We enclosed the Broucher.

Thank You.

V. Srinivasan
Yours faithfully,

(V.SRINIVASAN)



Contact Details,

V.SRINIVASAN
AP/CIVIL
E G S Pillay Engineering College,
Nagapattinam.
Mail : ikd070814@gmail.com
Contact : 7200621474





**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, June 01st 2018

Sir,

Sub: RCC Retaining wall work – Reg.

Thank you for your interest. We received your requisition letter and we accept your request, This is to inform you that to give the permission to do the new RCC retaining wall to arrest water seepage in the North side pond in SOS Village, Nagapattinam.

Please send your project proposal as early as possible.

Thanking You,

V. Srinivasan

A. Bal
A loving home for every child



E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



Ref: EGSPEC / CW / 0505 / PO3 / 02

Date ;05.05.18

To

Mr.S.BASKARAN

Village Director,

M/s SOS Children's Village,

Nagapattinam – 611 001

Sir,

We are Happy to inform you that here with we attached complete project proposal for your reference and fix one date for discussing about the project details.

Thanking you.

V. Srinivasan

Yours faithfully,

(V.SRINIVASAN)

Contact Details,

V.SRINIVASAN

AP/CIVIL

E G S Pillay Engineering College,

Nagapattinam.

Mail : ikd070814@gmail.com

Contact : 7200621474



PROJECT PROPOSAL

01	Title of the project	RCC Retaining Wall to Arrest Water Seepage in the North side Pond .
02	Type of the project	CONSULTANCY WORK
03	Name & Designation of the project coordinators	Dr.R.Sivakumar Associate Professor/HoD-civil Mr.V.Srinivasan AP/civil
04	Postal address of the principal investigator	Old nagore Road, thethi village, Nagore-post, Nagapattinam-611002
05	Contact phone number of the project coordinators	Mr.V.SRINIVASAN Project coordinators Contact No.7200621474 Email:ikd070814@gmail.com
06	Name of the institution/Organization in which the project will be carried out	E.G.S Pillay Engineering College, Nagapattinam.
07	Name of the other client involved in the project	SOS Children's Village, Nagapattinam.
08	Duration of the project	June 2018- March 2019(10 months)
09	Total cost of project proposal(details to be furnished in the prescribed format)	Enclosed separately-Annexure 1
10	An abstract not exceeding one page describing the background, objectives methodology year wise budget	Enclosed separately-Annexure 2
11	Project work plan	Enclosed separately-Annexure 3
12	Facilities available at the Institution/Organization to carry out the project	Concrete lab, Consistency Test
13	Expected outcome	Enclosed separately-Annexure 4

Place: Nagapattinam


Date: 05.05.18


Signature of the

Head of the Department

With seal

DR. R. SIVAKUMAR, HEAD OF THE DEPARTMENT
Professor & HoD,
Department of Civil Engineering,
E.G.S. PILLAY Engineering College,
Nagapattinam.


Signature of Consultant in charge




Signature of the

Head of the Institution

PRINCIPAL
E.G.S. Pillay Engineering College,
Nagapattinam.



**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, June 10th 2018

Sir,

Sub: Discussion of Newly construct the Retaining Wall Structure – Reg.

As per your request I will come and discuss with you on 12.05.2018. Kindly
arrange necessary documents for discussion.

Thanking You.

SOS Children's Village Nagapattinam.
Bungalow Club Road,
Nagapattinam,
Nagapattinam-611001.
+91-4365-248100
www.soschildrensvillages.in

V. Divya

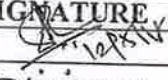
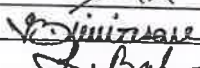
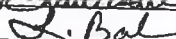
A. Bal

A loving home for every child

MINUTES OF MEETING - 1.

PURPOSE OF MEETING	CONSULTANCY WORK
Project title	Leakage Arresting in the concrete structure
Project Reference No.	EGSPEC/CW/2019/PO3/01
Meeting No.	01
Date	12.05.18
No. of Attendees	03

MEMBERS PRESENT


SL.NO	NAME	DESIGNATION	SIGNATURE
01	Prof.R.Sivakumar	HoD / Civil	
02	V.Srinivasan	Professor / Civil	
03	S.Baskar	SoS / MD	

Point Discussed

- ❖ We discussed about the leaking of roof, tank, sump, etc., is a cause for immediate concern because small crack term into much ones in as little has a night.
- ❖ Gravity play on interesting roll in spreading crack and gravitational pressure is highest in roof top. Hence repairing requires is right at the moment.
- ❖ Consultancy in charge need to have a regular visit to Pondicherry where the problems arise.
- ❖ Every three months once, progress report about construction need to given by the Clint.

Minute by: V.Srinivasan




 HOD / CIVIL
Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
Professor & Head,
Department of Civil Engineering,
E.G.S. PILLAY Engineering College,
Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE,
OLD NAGORE ROAD,
NAGAPATTINAM, TAMIL NADU - 611002, INDIA
Tel: 91-4365-251112, 251114 Fax: 91-4365-251114
Email: principal.egspec@gmail.com Web: http://egspec.org

FORM NO. CW/F-01

Ref. No.
EGSPEC/MPW/2018/PO3/03

For Office Use Only

Project Assignment Proposal and Agreement Form

PART-A

TITLE OF THE PROJECT (Kindly fill in BLOCK letters)

RCC RETAINING WALL TO ARREST WATER SEEPAGE IN THE NORTH SIDE POND IN SOS
VILLAGE - NAGAPATTINAM

ASSIGNMENT INCHARGE

Name: V SRINIVASAN Designation: ASSISTANT PROFESSOR
Department/Centre: CIVIL / EGSPEC NAGAPATTINAM
Telephone: Mobile: 72006-21474 Email: ikd070814@gmail.com

EXPECTED TIME SCHEDULE

Duration: Years Months Weeks Starting Date:
Jun 2018 - Mar 2019 00 10 10/06/2018

CLIENT DETAILS

 (Kindly fill in BLOCK letters)

Firm's Name: M/s SOS Childrens village
Address: 54, Bungalow club rd,
Kadambady, Nagapattinam.
Contact Person's Name: Mr. S.BASKARAN
Designation: Village Director

City: Chennai 04365-248100 Fax Web: soschildrensvillages.in

TOTAL CHARGES AND PAYMENT DETAILS

Mode of Payment: → By Cheque By Draft Telegraphic Transfer
Currency: → Indian Rupees Foreign → Country: Currency:
Payment enclosed: → Full Payment Part Payment

Total Value (in figures) 704000/- Total Value (in words) SEVEN LAKHS AND FOUR THOUSAND ONLY Bank's Name and Branch : BANK OF BARODA

DD/Cheque No. DD/Cheque Amount : 704000/- DD/Cheque Date:

SCOPE OF THE PROJECT

 (attach separate sheet, if necessary)

AGREEMENT BETWEEN CLIENTS

This agreement is subject to the Standard Terms and Conditions (Annexure) for undertaking projects at EGS Pillay Engineering College, Nagapattinam. Signatures of the client may be obtained and submitted on the Standard Terms & Conditions to acknowledge that he/she has gone through these and agrees to be bound by them.

Signature of the In-charge
Date:

V. Srinivasan

PART - B

DETAILS OF THE CONSULTANT INCHARGE AND CO-CONSUTANT INCHARGES(S)

	Employee's Name	Designation	Department	Signature
CI:	Dr. R.SIVAKUMAR	HOD	CIVIL	
Co-CI:	Mr. V.SRINIVASAN	ASST.PROFESSOR	CIVIL	<i>V. Srinivasan</i>
Co-CI:	Mr.S.BASKARAN	MD	SOS VILLAGE	
Co-CI:				

TYPE OF PROJECT (Please any one of the following)

Type A: Product/Process development and advice/report based on significant research and development.

Type B**: Testing and Interpretation, Design Checking etc.

**Head of the Dept. will decide, if the consultancy falls in the Type B category. In case of a doubt, Principal will decide the classification in consultation with the CI and the concerned Head of the Dept.

TYPE OF THE CLIENT ORGANISATION (Please any one of the following)

Private Sector : YES Public Sector Govt. Sector Foreign Organization

BREAK UP OF TOTAL CHARGES

	Budget Head Description	Budget Code	Amount (Rupees)
(I)	EXPENSES Recurring/Non-Recurring (Salary/Cost of Labour, Honorarium to Staff/Outside Consultants, Travel, Contingency, Consumables, Equipments, Materials, etc.)	EXPENSES	535000.00
(II)	FEE FOR SCIENTIFIC & TECHNICAL ADVICE	FEESTA	133750.00
(III)	INSTITUTE CHARGES (Type A: 10% of (I) + 50% of (II), Type B: 10% of (I) + 100% of (II))	INSTOHS	25250.00
(IV)	TOTAL CHARGES (I+II+III)		694000.00
(V)	SERVICE TAX @ 12% OF IV(Total Charges)		
(VI)	EDUCATION CESS @ 3% OF V(Service Tax)		10000.00
(VII)	GROSS AMOUNT (IV+V+VI)		704000.00

[Signature]
SIVAKUMAR, M.B.A., M.E., Ph.D.
 Professor & Head,
 Department of Civil Engineering,
 E.G.S. PILLAY Engineering College,
 Nagappattinam.



V. Srinivasan
 Signature of the In-charge
 Date:

ANNEXURE FOR
FORM NO.CW/F-02 (CONSULTANCY FORM)



E.G.S. PILLAY ENGINEERING COLLEGE,

**OLD NAGORE ROAD,
NAGAPATTINAM, TAMIL NADU - 611002, INDIA**

Tel: 91-4365-251112, 251114 Fax: 91-4365-251114

Email: principal.egspec@gmail.com Web: http://egspec.org

STANDARD TERMS AND CONDITIONS OF CONTRACT FOR CONSUTANCY

Title of the Consultancy Job:

**RCC Retaining wall to Arrest Water seepage in the north side Pond in SOS Village -
Nagapattinam**

Name & Address of the Client: Mr.S.BASKARAN, MD, SOS VILLAGE, NAGAPATTINAM.

Name and Dept. of the In-charge:

V.SRINIVASAN, AP/Civil, EGSPEC, Nagai.

The Institute through the CI/Co-CI will plan the Project in consultation with the Client. These terms and conditions govern projects for the development of products, processes, field studies, model studies, calculations, economic and technical consulting and other forms of project of specific interest to the client. The conditions are binding unless otherwise agreed upon in a separate signed document.

1. **DECLARATION:** All work undertaken by the Consultant In-charge (CI)/Co-Consultant In-charge (Co-CI) at EGS Pillay Engineering College, Nagapattinam (EGSPEC, Nagai) as part of the project will be in good faith and based on material/data/other relevant information given by the client requesting for the work.
2. **RESPONSIBILITY/LIABILITY:** The Institute through CI/Co-CI undertakes to carry out the project as conscientiously as conditions allow, but accepts no economic responsibility whatsoever, should the work not lead to expected results. EGSPEC, Nagai shall not be held liable for any loss, damage, delay or failure of performance, resulting directly or indirectly from any cause, which is beyond its reasonable control (Force Majeure). The liability of EGSPEC, Nagai shall be limited to the funds received for the project.
3. **DISCRETION:** The Institute through CI/Co-CI undertakes to handle with discretion reports, results, the identity of the Client and all material specifically treated/marked confidential which the client places at the disposal of the CI/Co-CI in connection with the project at EGSPEC, Nagai, subject to Right to Information rules/regulations.
4. **SUB-CONTRACTING:** The Institute reserves the right to allow any work in connection with the project, experimental or otherwise, to be carried out by a third party as per Institute norms and procedures, provided this does not result in the danger of information of a confidential nature coming into the hands of unauthorized persons.
5. **RESULT OF THE PROJECT:** The results of all work done at the Institute by the CI/Co-CI in connection with the project, incorporated in written reports shall remain the property of the Client. Results arrived at with little or no involvement on the part of the Client are available free of charge for the Client's own use. However, the CI/Co-CI/Institute reserves the right to use such results in connection with activities outside the scope of the project. If the Client consists of several individuals, all questions of Client, rights between the Clients must be settled between such individuals, and are of no concern to the CI/Co-CI/Institute. Unless otherwise agreed, all reports are to be sent to the Client. The CI/Co-CI/Institute has the right to retain a copy.

6. **INTELLECTUAL PROPERTY RIGHTS:** All rights pertaining to any intellectual property generated/ created/invented in the due course of the project, will be the joint property of EGSPEC, Nagai and the Client. Terms and conditions regarding transferring/assigning/selling these rights to the Client shall be governed by a separate written agreement if required.
7. **PUBLISHING THE RESULTS/OUTCOME OF THE CONSULTANCY:** The results/outcome of the consultancy shall not be exploited by the Client organization for its business interests by using EGSPEC, Nagai's name/logo through press advertisement/publicity material or in any other manner. Manuscripts of academic papers, brochures, advertisements or other form of published material which refer to or quote the proprietary results of the project shall be vetted by both parties before publication.
8. **COMMUNICATION OF RESULTS TO A THIRD PARTY:** The CI/Co-CI may not, without the written agreement of the Client, communicate the results of the project to a third party. The Client shall arrange the necessary written agreement of all parties on the Client's side who may have publication rights with respect to the project.
9. **PROJECTS FOR OTHER CLIENTS:** The Institute may undertake other projects in the same field provided – to the best of its knowledge and belief – there exists no danger of information of a confidential nature coming into hands of a third party.
10. **APPARATUS:** Instruments and/or equipment obtained in connection with the project and charged to the client remain the property of EGSPEC, Nagai, unless otherwise it is specifically agreed to by the Institute.
11. **TERMINATION OF THE PROJECT:** The Client has a right to terminate the project at any time, but shall be liable for all reasonable expenses incurred in connection with halting work already in progress according to the agreed work programme. The decision of EGSPEC, Nagai shall be final as far as reasonableness of the expenses is concerned. The Institute has also the right to terminate the project at any time except where otherwise agreed upon. The Client in this case will not be liable for any expenses incurred after the termination.
12. **PAYMENT:** The payment of consultation charges to EGSPEC, Nagai are to be made in advance and in full before the start of the project, through a demand draft/crossed valid cheque drawn in favour of the Principal, EGS Pillay Engineering College, Nagapattinam and sent to the Consultant. The charges will also include any applicable tax as prescribed by the Government of India or the Government of Tamil Nadu (or any other statutory body) from time to time.
13. **DISPUTES:** In the event of any dispute or difference between the parties hereto, such dispute or differences shall be resolved amicably by mutual consultation. If such resolution is not possible, then the unresolved dispute or difference shall be referred to a sole arbitrator to be nominated by the Director of the Institute for a reasoned Award. The seat of arbitration shall be within the campus of EGSPEC, Nagai and the language of arbitration shall be English. The Award of the arbitrator shall be binding on the parties to the dispute.
14. **DISCLAIMER:** The report on the consultancy project is the technical opinion of the CI/Co-CI based on his/their expertise in the particular area of research and in no way reflects the view(s) of EGSPEC, Nagai. EGSPEC, Nagai is not responsible for the accuracy or completeness of the report and the role of the Institute is limited to providing administrative support to the project.
15. **SERVICE TAX:** As per Service Tax Act of G.O.I., the service tax plus education cess will be levied on total consultancy charges and this amount is to be borne by the Client (The Service Tax applicable today is 12.36%).

V. Srinivasan
V.SRINIVASAN

L. Bal

Date:03/06/2018

Name & Signature of Incharge

Name & Signature of Client

Place:



(with office seal)

Annexure-1

DETAILS OF BUDGET

SI.NO	DISCRIPTION	TOTAL
A	Payment for consultancy in charger for 220 R.ft(Rs.3200 / R.ft)	5,25,000.00
B	Equipment, Materials testing, etc.,	20,000.00
C	Consumable and labour charges	78,000.00
D	Travel, Contingency, etc.,	16,000.00
E	Total of A+B+C+D	6,39,000.00
F	Institutional overhead (Including service Tax, Education cuss, etc.)	65,000.00
G	Total cost of project(E+F)	7,04,000.00


Annexure-2

ABSTRACT

Project Coordinator : V.Srinivasan M.E., Assistant Professor
Project Name : Retaining Wall
Name of the company : SOS Village, Nagapattinam.
Name of the Work : Consultation and supervision

I. In the construction field leakage use one of the main problem. In SOS Children's village consistency working leakage in the Existing Retaining wall and basement etc.,. The approached for a consultation recording leakage problem. I accepted and provide them a consultation with Newly construct the RCC Retaining wall for arresting leakage .the consultation charge is 3200.00Rs./ R.ft rate. The total length is 220 R.ft for this project and the payment Rs.704000/-get in the form of 3 part of Payment cheque from the SOS Children's Village, Nagapattinam.




Dr. R. SIVAKUMAR, B.B.A., M.E., Ph.D.
Professor & Head,
Department of Civil Engineering,
E.G.S. PILLAY Engineering College.
Nagapattinam.

WORK PLAN

METHODOLOGY

This is the case study of arrest the leakage in the retaining wall of building coastal region. It also involves analysis, evaluation and finds solution for the durability problems in leakage in the Retaining Wall.

Among them educational building, residential buildings, public building are included.

The building surveyed is situated at the distance around 3km.

During survey many type of cracks, corrosion and patches are identified.

OBJECTIVES

Increase the durability and strengthening of existing Retaining Wall . Newly constructed the Retaining wall methods. Post retro fitting's elevation for behaviour of the structure health assessment of the existing structure in adherence with latest tools.

CONSTRUCTION MATERIALS

Cement

Steel

Sand

Aggregates materials

Water

AGGREGATE EXPENSIONS

Magnesium carbonate compounds react with hydroxyl ions yields magnesium Hydroxide and carbonite ion.

These cause destruction of material. Mechanical damage erosion may occur.

EXPECTED OUTCOMES

- ❖ Leakage problem permanently solved.
- ❖ Preventive measures were given.
- ❖ 25% of maintenance cost will be saved.
- ❖ Durability of the structure will be extended.

2.Bio-Data of the coordinators



1. Name : V.Srinivasan
2. Gender : Male
3. Date of Birth : 05.07.1978
4. Designation & Affiliation : Assistant Professor / civil
5. Postal Address : 139/2, Vicknapuram, Avaranipuducherry post, Sikkal-via, Nagapattinam-DT, PIN-611108
6. Contact Number : 72006 21474
7. Email Id : ikd070814@gmail.com
8. Field Experience : 14 years in planning & execution
9. Qualification

SI.No.	Degree	Institution	Year
01	B.E., CIVIL	Raja college of Engg&Tech., Madurai	2001- 2004
02	M.E., Struct	SRV Engg. College. Sembodai. Nagapattinam	2015 - 2017

10. Employment Experience : 21 Months (E.G.S Pillay Engineering College, Nagapattinam)



Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
 Professor & Head,
 Department of Civil Engineering,
 E.G.S. PILLAY Engineering College,
 Nagapattinam.



**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, June 20th 2018

Sir,

I would like to express my greetings and wishes to Mr.V.Srinivasan our consultant for Newly constructed Retaining wall . We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 04,000/- towards consultation fee.

Payment details,

Three Part of payments.

First Payment

A/c Number	:	0052053000107602
Cheque No.	:	000400
Date	:	17.06.2018
Bank	:	South Indian Bank
Amount	:	2,00,000/-

SOS Children's Village Nagapattinam.
Bungalow Club Road,
Madambady,
Nagapattinam-611001.
Tel: +91-4365-248100
www.soschildrensvillages.in

V. Srinivasan

A. Bal

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दिसाउथ इन्डियन बैंक लिमिटेड
 The South Indian Bank Limited
 NEELA SOUTH STREET, NAGAPATTINAM - 611 002
 IFSC: SBI000052

Valid for three months only

1 7 0 6 2 0 1 8
 D D M M Y Y Y Y

Pay **V.SRINIVASAN**

रुपये Rupee **TWO LAKHS ONLY**

वा धारक को or Bearer

अदा करें ₹ 2,00,000.00

A/c No. 0052053000107602

Chq No. : 01000400

For SOS CHILDRENS VILLAGES OF INDIA NAGAPATTINAM

A/c PAYEE ONLY

[Signature]
[Signature]

AA1218 "Payable at all branches"

SB PRIVILEGE

Authorised Signatory
 Sr. Co-Worker Finance Village Director

⑈000400⑈ 611059002⑈ 999901⑈ 31

Bank Name : Lakshmi vilas Bank – Nagapattinam
 Payable at : Principal EGS Pillay Engg.College, Nagapattinam
 A/C Number : 0486 3600 0000 0198
 Collection Details : Cheque
 Date : 17.06.2018
 Cheque Number : 000400
 Amount : 2,00,000/-

[Signature]
ACCOUNTS OFFICE
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Dec 11th 2018

Sir,

I would like to express my greetings and wishes to Mr.V.Srinivasan our consultant for Newly constructed Retaining wall . We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 04,000/- towards consultation fee.

Payment details,

Second Payment

A/c Number	:	0052053000103871
Cheque No.	:	000797
Date	:	18.11.2018
Bank	:	South Indian Bank
Amount	:	2, 42,000/-

SOS Children's Village Nagapattinam.
14, Bungalow Club Road,
Kadambady,
Nagapattinam-611001.
Tel: +91-4365-248100
www.soschildrensvillages.in

V. Srinivasan

A. Bal

A loving home for every child



दिलक्ष्मी इन्डियन बैंक लिमिटेड
The South Indian Bank Limited
NEELA SOUTH STREET, NAGAPATTINAM - 611 001
IFSC: SIBL0000052

Valid for three months only

1 8 1 1 2 0 1 8
D D M M Y Y Y Y

Pay **V.SRINIVASAN**

या धारक को or Bearer

रुपये Rupees **TWO LAKHS AND FOURTY TWO THOUSAND ONLY**

अदा करें ₹ 2,42,000.00

A/c.No. 0052053000103871

For SCS CHILDRENS VILLAGES OF INDIA-NAGAPATTINAM

Chq No. : 01000797

A/c PAYEE ONLY

SB PRIVILEGE

[Signature]
Sr. Co-Worker Finance Village Director
Authorised Signatory

AA4218 " Payable at all branches "

⑈000797⑈ 6110590021 999901⑈ 31

Bank Name : Lakshmi vilas Bank – Nagapattinam
Payable at : Principal EGS Pillay Engg.College, Nagapattinam
A/C Number : 0486 3600 0000 0198
Collection Details : Cheque
Date : 18.11.2018
Cheque Number : 000797
Amount : 2,42,000/-

[Signature]
ACCOUNTS OFFICE
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



**SOS CHILDREN'S
VILLAGES
INDIA**

To
The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Apr 17th 2019

Sir,

I would like to express my greetings and wishes to Mr.V.Srinivasan our consultant for Newly constructed Retaining wall . We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 04,000/- towards consultation fee.

Payment details,

Third & Final Payment

A/c Number	:	0052053000103871
Cheque No.	:	000798
Date	:	02.04.2019
Bank	:	South Indian Bank
Amount	:	2, 62,000/-

SOS Children's Village Nagapattinam.
4, Bungalow Club Road,
Madambady,
Nagapattinam-611001.
Tel: +91-4365-248100
www.soschildrensvillages.in

V. Srinivasan

V. Srinivasan

A loving home for every child



दरिद्रात्मक इन्डियन बैंक लिमिटेड
The South Indian Bank Limited
NEELA SOUTH STREET, NAGAPATTINAM - 611 001
IFSC: SIBL0000057

Valid for three months only

0 2 0 4 : 2 0 1 9
D D M M Y Y Y Y

Pay V.SRINIVASAN

या धारक को or Bearer

रुपये Rupee TWO AKHS AND SIXTY TWO THOUSAND ONLY

अदा करें ₹ 2,62,000.00

A/c No. 0052053000103871

Chq No. : 01000798

For SOS CHILDRENS VILLAGES OF INDIA-NAGAPATTINAM

A/c PAYEE ONLY

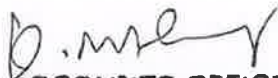
SB PRIVILEGE

AA1218 " Payable at all branches "

Sr. Co-Worker: Finance Village Director
Authorised Signatory

⑈000798⑈ 611059002⑈ 99990⑈ 3⑈

Bank Name : Lakshmi vilas Bank – Nagapattinam
Payable at : Principal EGS Pillay Engg.College, Nagapattinam
A/C Number : 0486 3600 0000 0198
Collection Details : Cheque
Date : 02.04.2019
Cheque Number : 000798
Amount : 2,62,000/-


ACCOUNTS OFFICE
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



**SOS CHILDREN'S
VILLAGES
INDIA**

THREE MONTHS PROGRESS REPORT

To
The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Mar 14th 2018

Sir,

S.No	DATE	MEMBERS	LOCATION	SIGNATURE
01	July 18' 2018	V.Srinivasan	SOS Village, Nagai	<i>V. Bal</i>
02	Sep 22' 2018	V.Srinivasan	SOS Village, Nagai	<i>V. Bal</i>
03	Feb 15' 2019	V.Srinivasan	SOS Village, Nagai	<i>V. Bal</i>

1. We will test the quality the quality may become bad due to bad weather like rain storm, high wind etc. We will analyses the quality every three months after constructing the Retaining wall .
2. If required we will replace asphalt shingle due to wear and tear.
3. Periodically we will check the ventilation of to help prevent cracks and off of shingles.

SOS Children's Village Nagapattinam,
Bungalow Club Road,
Nagapattinam,
Tamil Nadu,
India.
Nagapattinam-611001-
Phone: +91-4365-248100
www.soschildrensvillages.in

V. Srinivasan

V. Bal

A loving home for every child

EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.


DEPARTMENT OF CIVIL ENGINEERING

UTILIZATION CERTIFICATE

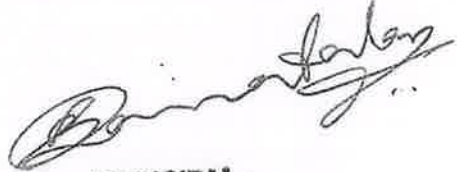
Name of the project	Retaining Wall
Name of the coordinators	V.Srinivasan
Name of the Agency	SOS Village, Nagapattinam
Type of Project	Consultancy Project
Duration	June 2018 – March 2019
Project cost	7,04,000 /-

This certificate is an acknowledgement of the expenditure incurred in executing the minor project mentioned above. The Accounts duly submitted to the R&D cell and verified by the principal.

Sl.No.	Itemized list of expenses incurred	Amount (Rs)
1	Project Construction and materials (Rs. 2538.18 * 220 R.ft)	558400.00
2	Remuneration for two project coordinators(10 month*Rs.2000/Pm)*4	80000.00
3	Remuneration for technical Assistant(10 month*Rs.1000/Pm)*2	20000.00
4	Travel	20000.00
5	Institution over head(Including service tax, Education cuss, etc)	10000.00
6	Total expenses incurred	15600.00
7	Income generated through consultancy (1 + 7)	145600.00
		704000.00


Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
Professor & Head,
Department of Civil Engineering,
E.G.S. PILLAY Engineering College,
Nagapattinam.




PRINCIPAL
E.G.S. Pillay Engineering College,
Nagapattinam.

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: CIVIL

Vr. No.:

VOUCHER

Lab/WS: Consultant work - SOS.

Date: 22.06.18

Particulars	Rs.	Ps.
Paid to Thiru V. Srinivasan		
Towards Remuneration		
A sum of Rupees 20,000 (Twenty thousand only)	20,000	
	20,000	



[Signature]

[Signature]
Accounts Subdt.
Secretary
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

[Signature]
Principal

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: CIVIL

Vr. No.:

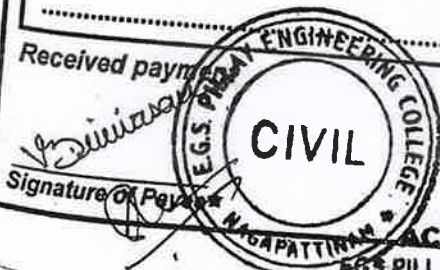
VOUCHER

Lab/WS: SOS - Consultancy work

Date: 22/11/18

Particulars	Rs.	Ps.
Paid to Thiru V. SRINIVASAN		
Towards REMUNERATION		
A sum of Rupees TWENTY THOUSAND ONLY	20,000	
	20,000	

Received payment



[Signature]
Accounts Subdt.
Secretary
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

[Signature]
Principal

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: Civil

Vr. No.:

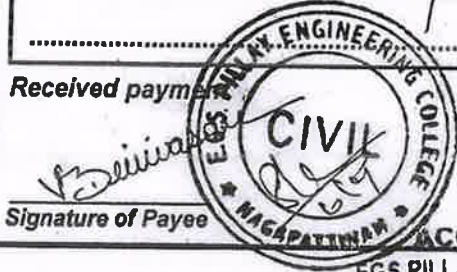
Lab/WS: SOS - Consultancy work

VOUCHER

Date: 6.4.18

Particulars	Rs	Pst
Paid to Thiru <u>V. Veinivasan</u>		
Towards <u>Remuneration</u>		
A sum of Rupees <u>Twenty thousand four hundred only</u>	20,400	
Received payment	20,400/-	

Signature of Payee



Accounts Supdt. Secretary

Principal

E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: Civil

Vr. No.:

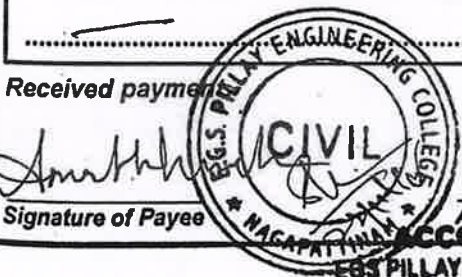
Lab/WS: SOS work.

VOUCHER

Date: 22.11.18

Particulars	Rs.	Pst.
Paid to Thiru <u>Amirthaganesu. Dord. civil (final)</u>		
Towards <u>Remuneration</u>		
A sum of Rupees <u>Ten thousand only</u>	10,000	00
Received payment	10,000	00

Signature of Payee



Accounts Supdt. Secretary

Principal

E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept : CIVIL

Vr. No.:

VOUCHER

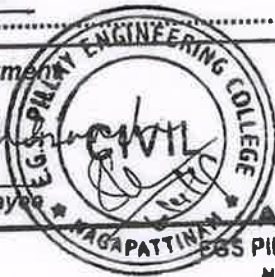
Lab/WS : SOS - work.

Date : 6.4.19

Particulars	Rs.	P.
Paid to Thiru Anirudh ganesan P. Balaji		
Towards Remuneration		
	10,000	00
A sum of Rupees Ten Thousand only		
	10,000	00

Received payment

Anirudh ganesan P. Balaji
Signature of Payee



D. Mary
Accounts Supdt.

ACCOUNTS OFFICE

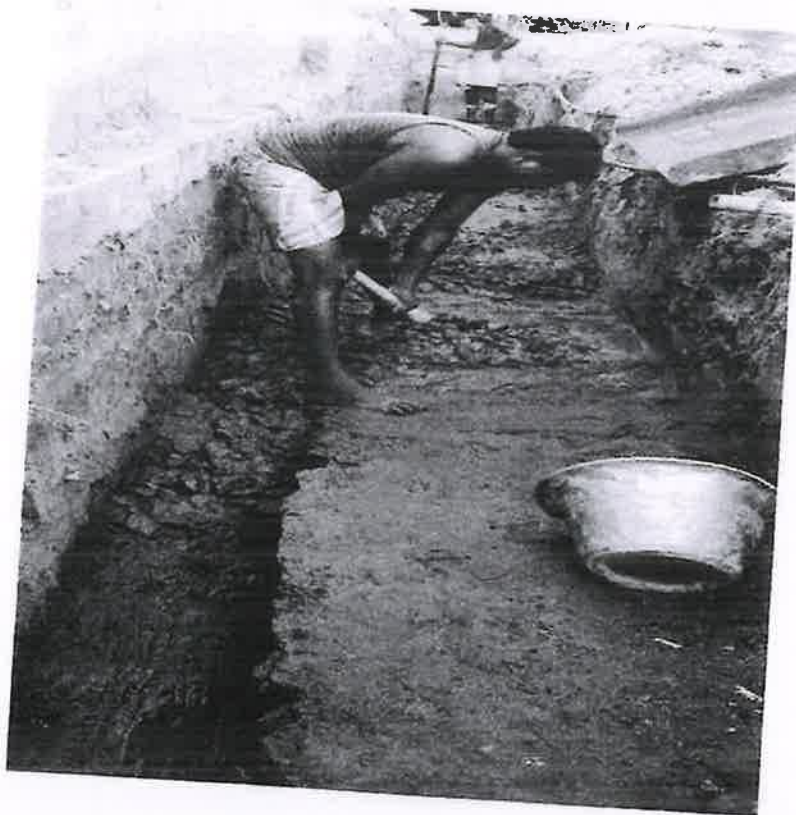
Secretary

[Signature]
Principal

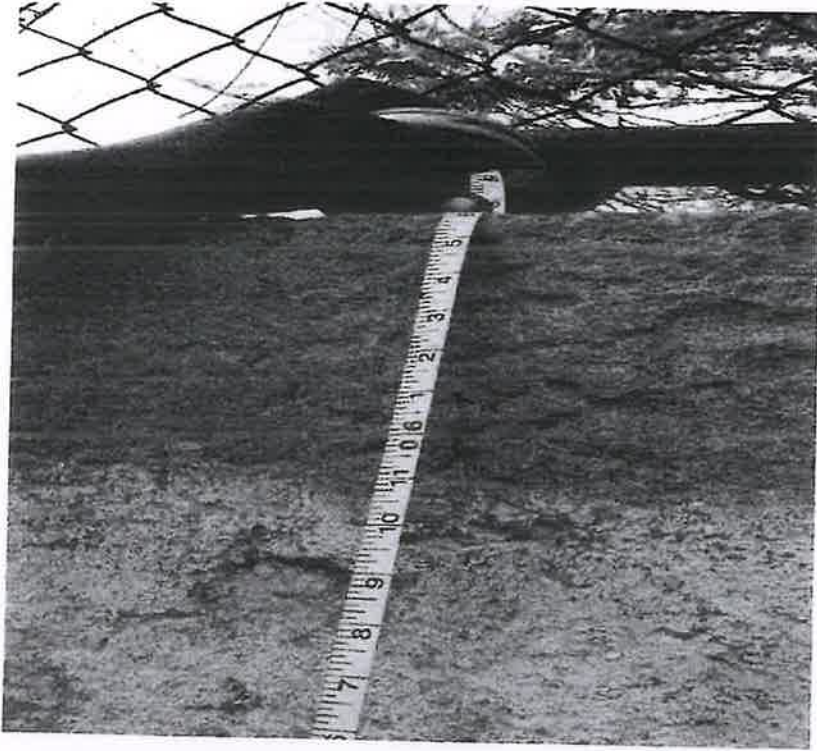
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



RETAINING WALL EARTH WORK



RETAINING WALL PCC



TOTAL HEIGHT OF THE RETAINING WALL RCC



AFTER PCC REINFORCEMENT WORK

E. G.S.PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.


DEPARTMENT OF CIVIL ENGINEERING

CONSULTANCY (From Industry)

018 - 2019

No	Name of the project	Customer Detail	Co-ordinator	Duration	Amount in Rs.
Consultancy Work					
	Pravadayan River	National Highways	Mr.V.Srinivasan	12 Months	45,000.00
	Combined Court building	PWD Karaikal	Mr.V.Srinivasan	12 Months	45,000.00
	L S Material testing	Karaikal, Nagapattinam	Mr.V.Srinivasan	12 Months	83,200.00
	Construction Materials Testing, Road Materials Testing and Steel	Ongc Limited - Neravy - Karaikal	Mr.V.Srinivasan	12 Months	1,28,600.00
				TOTAL	3,01,800.00




HEAD OF THE DEPARTMENT
Dept. of Civil Engineering
E.G.S. Pillay Engg. College
NAGAPATTINAM 611002



E.G.S. PILLAY ENGINEERING COLLEGE,
OLD NAGORE ROAD,
NAGAPATTINAM, TAMIL NADU - 611002, INDIA
Tel: 91-4365-251112, 251114 Fax: 91-4365-251114
Email: principal.egspec@gmail.com Web: http://egspec.org

FORM NO. CW/F-01

Ref. No.
EGSPEC/MPW/2018/CAPS/01

For Office Use Only

Consultancy Assignment Proposal and Agreement Form

PART-A

TITLE OF THE PROJECT (Kindly fill in BLOCK letters)

CONSTRUCTION MATERIAL TESTING, ROAD MATERIAL TESTING AND STEEL
@ ONGC LIMITED - NERAVY - KARAİKAL

ASSIGNMENT INCHARGE

Name: V.SRINIVASAN Designation: ASST.PROFESSOR
Department/Centre: CIVIL / EGSPEC NAGAI
Telephone: Mobile: Email:

EXPECTED TIME SCHEDULE

Duration: Years Months Weeks Starting Date:
Jun 2018 - May 2019 01 00 0 01/06/2018

CLIENT DETAILS (Kindly fill in BLOCK letters)

Firm's Name: M/s ONGC
Address: NERAVY Contact Person's Name:
Designation: SENIOR ENGINEER
City: KARAİKAL Cell Fax Email

TOTAL CHARGES AND PAYMENT DETAILS

Mode of Payment: → By Cheque By Draft Telegraphic Transfer
Currency: → Indian Rupees - YES Foreign → Country: Currency:
Payment enclosed: → Full Payment Part Payment BY TEST BASIC

Total Value (in figures) Total Value (in words) Bank's Name and Branch :

DD/Cheque No. DD/Cheque Amount : DD/Cheque Date:

SCOPE OF THE CONSULTANCY (attach separate sheet, if necessary)

AGREEMENT BETWEEN CLIENTS

This agreement is subject to the Standard Terms and Conditions (Annexure) for undertaking projects at EGS Pillay Engineering College, Nagapattinam. Signatures of the client may be obtained and submitted on the Standard Terms & Conditions to acknowledge that he/she has gone through these and agrees to be bound by them.

Signature of the In-charge
Date: 1.6.18



PART - B

DETAILS OF THE INCHARGE(S)

	Employee's Name	Designation	Department	Signature
CI:	Dr. R.Sivakumar	HOD	CIVIL	
Co-CI:	Mr.V.Srinivasan	AP	CIVIL	
Co-CI:	SENIOR ENGINEER	ONGC - SE	Consultancy Company	
Co-CI:				

TYPE OF PROJECT (Please any one of the following)

Type A: Product/Process development and advice/report based on significant research and development.

Type B:** Testing and Interpretation, Design Checking etc.

**Head of the Dept. will decide, if the consultancy falls in the Type B category. In case of a doubt, Principal will decide the classification in consultation with the CI and the concerned Head of the Dept.

TYPE OF THE CLIENT ORGANISATION (Please any one of the following)

Private Sector : YES

Public Sector

Govt. Sector

Foreign Organization

BREAK UP OF TOTAL CHARGES

	Budget Head Description	Budget Code	Amount (Rupees)
(I)	EXPENSES Recurring/Non-Recurring (Salary/Cost of Labour, Honorarium to Staff/Outside Consultants, Travel, Contingency, Consumables, Equipments, Materials, etc.)	EXPENSES	104000.00
(II)	FEE FOR SCIENTIFIC & TECHNICAL ADVICE	FEESTA	12000.00
(III)	INSTITUTE CHARGES (Type A: 10% of (I) + 50% of (II), Type B: 10% of (I) + 100% of (II))	INSTOHS (8000+6000)	12600.00
(IV)	TOTAL CHARGES (I+II+III)		128600.00
(V)	SERVICE TAX @ 12% OF IV(Total Charges)		
(VI)	EDUCATION CESS @ 3% OF V(Service Tax)		3858.00
(VII)	GROSS AMOUNT (IV+V+VI)		132458.00

Signature of HoD

HEAD OF THE DEPARTMENT
Dept. of Civil Engineering
E.G.S. Pillay Engg. College
NAGAPATTINAM 611002



Signature of the In-charge

Date: 1:6:18

ANNEXURE

FORM NO.CW/F-02 (CONSULTANCY FO



E.G.S. PILLAY ENGINEERING COLLEGE,

**OLD NAGORE ROAD,
NAGAPATTINAM, TAMIL NADU - 611002, INDIA**

Tel: 91-4365-251112, 251114 Fax: 91-4365-251114

Email: principal.egspec@gmail.com Web: http://egspec.org

STANDARD TERMS AND CONDITIONS OF CONTRACT

Title of the Consultancy Job: CONSTRUCTION MATERIAL TESTING , ROAD MATERIAL TESTING AND STEEL

Name & Address of the Client: ONGC / SE / NERAVY/ KARAIKAL

Name and Dept. of the In-charge:

V.Srinivasan , AP/Civil , EGSPEC, Nagai.

The Institute through the CI/Co-CI will plan the Project in consultation with the Client. These terms and conditions govern projects for the development of products, processes, field studies, model studies, calculations, economic and technical consulting and other forms of project of specific interest to the client. The conditions are binding unless otherwise agreed upon in a separate signed document.

- 1. DECLARATION:** All work undertaken by the Consultant In-charge (CI)/Co-Consultant In-charge (Co-CI) at EGS Pillay Engineering College, Nagapattinam (EGSPEC, Nagai) as part of the project will be in good faith and based on material/data/other relevant information given by the client requesting for the work.
- 2. RESPONSIBILITY/LIABILITY:** The Institute through CI/Co-CI undertakes to carry out the project as conscientiously as conditions allow, but accepts no economic responsibility whatsoever, should the work not lead to expected results. EGSPEC, Nagai shall not be held liable for any loss, damage, delay or failure of performance, resulting directly or indirectly from any cause, which is beyond its reasonable control (Force Majeure). The liability of EGSPEC, Nagai shall be limited to the funds received for the project.
- 3. DISCRETION:** The Institute through CI/Co-CI undertakes to handle with discretion reports, results, the identity of the Client and all material specifically treated/marked confidential which the client places at the disposal of the CI/Co-CI in connection with the project at EGSPEC, Nagai, subject to Right to Information rules/regulations.
- 4. SUB-CONTRACTING:** The Institute reserves the right to allow any work in connection with the project, experimental or otherwise, to be carried out by a third party as per Institute norms and procedures, provided this does not result in the danger of information of a confidential nature coming into the hands of unauthorized persons.
- 5. RESULT OF THE PROJECT:** The results of all work done at the Institute by the CI/Co-CI in connection with the project, incorporated in written reports shall remain the property of the Client. Results arrived at with little or no involvement on the part of the Client are available free of charge for the Client's own use. However, the CI/Co-CI/Institute reserves the right to use such results in connection with activities outside the scope of the project. If the Client consists of several individuals, all questions of Client, rights between the Clients must be settled between such individuals, and are of no concern to the CI/Co-CI/Institute. Unless otherwise agreed, all reports are to be sent to the Client. The CI/Co-CI/Institute has the right to retain a copy.



6. **INTELLECTUAL PROPERTY RIGHTS:** All rights pertaining to any intellectual property generated/ created/invented in the due course of the project. will be the joint property of EGSPEC, Nagai and the Client. Terms and conditions regarding transferring/assigning/selling these rights to the Client shall be governed by a separate written agreement if required.
7. **PUBLISHING THE RESULTS/OUTCOME OF THE CONSULTANCY:** The results/outcome of the consultancy shall not be exploited by the Client organization for its business interests by using EGSPEC, Nagai's name/logo through press advertisement/publicity material or in any other manner. Manuscripts of academic papers, brochures, advertisements or other form of published material which refer to or quote the proprietary results of the project shall be vetted by both parties before publication.
8. **COMMUNICATION OF RESULTS TO A THIRD PARTY:** The CI/Co-CI may not, without the written agreement of the Client, communicate the results of the project to a third party. The Client shall arrange the necessary written agreement of all parties on the Client's side who may have publication rights with respect to the project.
9. **PROJECTS FOR OTHER CLIENTS:** The Institute may undertake other projects in the same field provided – to the best of its knowledge and belief – there exists no danger of information of a confidential nature coming into hands of a third party.
10. **APPARATUS:** Instruments and/or equipment obtained in connection with the project and charged to the client remain the property of EGSPEC, Nagai, unless otherwise it is specifically agreed to by the Institute.
11. **TERMINATION OF THE PROJECT:** The Client has a right to terminate the project at any time, but shall be liable for all reasonable expenses incurred in connection with halting work already in progress according to the agreed work programme. The decision of EGSPEC, Nagai shall be final as far as reasonableness of the expenses is concerned. The Institute has also the right to terminate the project at any time except where otherwise agreed upon. The Client in this case will not be liable for any expenses incurred after the termination.
12. **PAYMENT:** The payment of consultation charges to EGSPEC, Nagai are to be made in advance and in full before the start of the project, through a demand draft/crossed valid cheque drawn in favour of the Principal, EGS Pillay Engineering College, Nagapattinam and sent to the Consultant. The charges will also include any applicable tax as prescribed by the Government of India or the Government of Tamil Nadu (or any other statutory body) from time to time.
13. **DISPUTES:** In the event of any dispute or difference between the parties hereto, such dispute or differences shall be resolved amicably by mutual consultation. If such resolution is not possible, then the unresolved dispute or difference shall be referred to a sole arbitrator to be nominated by the Director of the Institute for a reasoned Award. The seat of arbitration shall be within the campus of EGSPEC, Nagai and the language of arbitration shall be English. The Award of the arbitrator shall be binding on the parties to the dispute.
14. **DISCLAIMER:** The report on the consultancy project is the technical opinion of the CI/Co-CI based on his/their expertise in the particular area of research and in no way reflects the view(s) of EGSPEC, Nagai. EGSPEC, Nagai is not responsible for the accuracy or completeness of the report and the role of the Institute is limited to providing administrative support to the project.
15. **SERVICE TAX:** As per Service Tax Act of G.O.I., the service tax plus education cess will be levied on total consultancy charges and this amount is to be borne by the Client (The Service Tax applicable today is 12.36%).

V.Srinivasan



Name & Signature of Incharge

Date:01/06/2018

Place:

NAGAPATTINAM

(with office seal)



Name & Signature of Client

(with office seal)



HEAD OF THE DEPARTMENT
 Dept of Civil Engineering
 E.G.S. PILLAY ENGINEERING COLLEGE
 NAGAPATTINAM - 611002

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 07.06.2019

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

**Name of Work: Construction of compound wall at TVR – 6 EPS at Kadambangudi
Village in Nagapattinam- Dist.**

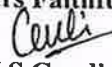
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE(Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 cubes of 150x150x150 mm size	31.05.2019	Pile Concrete	7 th Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Shri.G.Uthirapathy, vastharajapuram, 11-Alathur po, Peralam – via, Kudavasal – Tk, Thiruvarur- Dist, Pin – 609 405.

Thanking You,

Yours Faithfully,

(M.S.Gandhi)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 10.06.2019

To

The Principal,
EGS Pillai Engineering College.
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

**Name of Work: Construction of compound wall at TVR – 6 EPS at Kadambangudi
Village in Nagapattinam- Dist.**

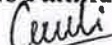
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE(Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 cubes of 150x150x150 mm size	03.06.2019	Pile Concrete	7 th Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the **Shri.G.Uthirapathy, vastharajapuram, 11-Alathur po, Peralam – via, Kudavasal – Tk, Thiruvarur- Dist, Pin – 609 405.**

Thanking You,

Yours Faithfully,

(M.S.Gandhi)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 01.08.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Providing foundation for oil Tank, Repair of Patrolling Track and Approach Road of KN#3 EPS, Koradacherry.

Agency: Shri. G.Uthirapathy.

Sir.


Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 cubes of 150x150x150 mm size	24.07.2018	Patrolling Track	7 th Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,


(J.ASOKAN)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 15.07.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Construction of Fire Shed, Store, Open Store yard and others Misc.
Civil Works at NRM GGS, Narimanam Area, Nagapattinam Dist.

Agency: Shri. S.Ramesh, Pulavanallur, Goparajapuram post, Nagapattinam Dist.

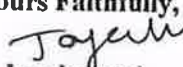
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:2:4 – 3 Nos	12.06.2018	NRM FS – C25	28 th Day
2	CC 1:2:4 - 3 Nos	12.06.2018	NRM FS – C26	28 th Day
3	CC 1:2:4 - 3 Nos	12.06.2018	NRM FS – C27	28 th Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

(T.Jayakumar)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19/709

DATE: 15.07.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Construction of Open Platform for Heavy Materials and bay elevated platform at KKL # XI, Neravy, Karaikal

Agency: M/S Sri Balaji Builders, 19 Rama MADA street, Velippalayam, Nagapattinam – 611 001


Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos.	12.06.2018	Plat Form 3	28 th Day
2	CC 1:1.5:3 - 3 Nos	12.06.2018	Plat Form 4	28 th Day
3	CC 1:1.5:3 - 3 Nos	12.06.2018	Plat Form 5	28 th Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

(N.Panneer selvam)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19/348

DATE: 25.07.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Providing civil works at KPEA drill site in Thiruvarur District

Sir,


Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:2:4 – 3 Nos	28.06.2018	KPEA – RL1	28 th Day
2	CC 1:2:4 - 3 Nos	28.06.2018	KPEA – RL2	28 th Day
3	CC 1:2:4 - 3 Nos	28.06.2018	KPEA – RL3	28 th Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,


(K. Ram Mohan)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 10.08.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT1	28 th Day
2	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT2	28 th Day
3	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT3	28 th Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,


(K. Ram Mohan)

SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 19.07.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT1	7 th Day
2	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT2	7 th Day
3	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT3	7 th Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the **Agency**.

Thanking You,

Yours Faithfully,

(K. Ram Mohan)

SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 12.08.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

Sir,


Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT13	28 th Day
2	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT14	28 th Day
3	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT15	28 th Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,


(K. Ram Mohan)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 21.08.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

Sir,

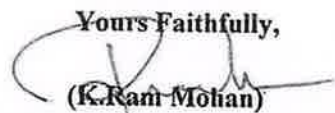
Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT13	7 th Day
2	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT14	7 th Day
3	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT15	7 th Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,


(K. Ram Mohan)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 21.08.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

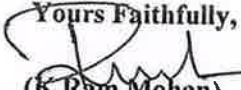
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT13	7 th Day
2	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT14	7 th Day
3	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT15	7 th Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

(K. Ram Mohan)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 07.06.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Steel Test– Reg.

**Name of Work: Construction of compound wall at TVR – 6 EPS at Kadambangudi
Village in Nagapattinam- Dist.**

Sir,

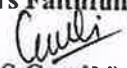
Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE(Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Test	Identification Mark
1	MTS Steel – 8mm , 12 mm, 16mm – 6 Sets	07.06.2018	Pile Concrete

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Shri.G.Uthirapathy, vastharajapuram, 11-Alathur po, Peralam – via, Kudavasal – Tk, Thiruvavur- Dist, Pin – 609 405.

Thanking You,

Yours Faithfully,


(M.S.Gandhi)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 10.06.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Steel Test– Reg.

Name of Work: Construction of compound wall at TVR – 6 EPS at Kadambangudi
Village in Nagapattinam- Dist.

Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE(Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of test	Identification Mark
1	MTS Steel – 8mm, 12mm, 16mm – 6 sets	10.06.2018	Pile Concrete

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Shri.G.Uthirapathy, vastharajapuram, 11-Alathur po, Peralam – via, Kudavasal – Tk, Thiruvapur- Dist, Pin – 609 405.

Thanking You,

Yours Faithfully,

C. S. Gandhi
(M.S.Gandhi)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 24.07.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Steel Test

Name of Work: Providing foundation for oil Tank,

Agency: Shri. G.Uthirapathy.

Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark
1	MTS Steel – 8mm, 10mm, 12mm, 16mm – 6 sets	24.07.2018	Patrolling Track

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,


(J. ASOKAN)

SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -18

DATE: 25.06.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Steel Test– Reg.

Name of Work: Providing foundation for oil Tank,

Agency: Shri. G.Uthirapathy.


Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark
1	Sail – TMT – 8mm,12mm,16mm – 1set	25.06.2018	KUT – P - 1
2	Sail – TMT – 8mm,12mm,16mm – 1set	25.06.2018	KUT – P - 2
3	Sail – TMT – 8mm,12mm,16mm – 1set	25.06.2018	KUT – P - 3

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

(VPD BHARALI)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 12.06.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Sail steel Test– Reg.

**Name of Work: Construction of Fire Shed, Store, Open Store yard and others Misc.
Civil Works at NRM GGS, Narimanam Area, Nagapattinam Dist.**

Agency: Shri. S.Ramesh, Pulavanallur, Goparajapuram post, Nagapattinam Dist.

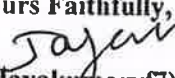
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark
1	Sail Steel – 8mm, 12mm, 16mm – 1 set	12.06.2018	NRM FS – C25
2	Sail Steel – 8mm, 12mm, 16mm – 1 set	12.06.2018	NRM FS – C26
3	Sail Steel – 8mm, 12mm, 16mm – 1 set	12.06.2018	NRM FS – C27

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

(T. Jayakumar) f7
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19/709

DATE: 12.06.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Construction of Open Platform for Heavy Materials and bay elevated platform at KKL # XI, Neravy, Karaikal

Agency: M/S Sri Balaji Builders, 19 Rama MADA street, Velippalayam, Nagapattinam – 611 001

Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark
1	Sail-TMT- 8mm,12mm,16mm – 1 set	12.06.2018	Plat Form 3
2	Sail-TMT- 8mm,12mm,16mm – 1 set	12.06.2018	Plat Form 4
3	Sail-TMT 8mm,12mm,16mm – 1 set	12.06.2018	Plat Form 5

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

(N.Panneer selvam)

SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 19.07.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Sail TMT steelTest– Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

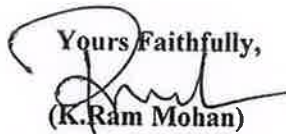
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cut	Identification Mark
1	TMT-8mm,10mm,12mm – 1 Set	12.07.2018	KMP – OT1
2	TMT – 8mm,10mm,12mm – 1 set	12.07.2018	KMP – OT2
3	TMT – 8mm,10mm,12mm – 1 set	12.07.2018	KMP – OT3

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

(K.Ram Mohan)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 12.07.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Sail TMT Fe 500 Test- Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

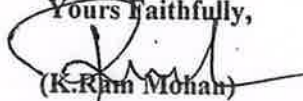
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark
1	Sail TMT Fe 500 8mm, 10mm, 12mm, 16mm – 1 set	12.07.2018	KMP – OT1
2	Sail TMT Fe 500 8mm, 10mm, 12mm, 16mm – 1 set	12.07.2018	KMP – OT2
3	Sail TMT Fe 500 8mm, 10mm, 12mm, 16mm – 1 set	12.07.2018	KMP – OT3

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

(K. Ram Mohan)
SE (Civil)

OIL AND NATURAL GAS CORPORATION LIMITED
CAUVERY ASSET

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 14.07.2018

To

The Principal,
EGS Pillai Engineering College,
Nagapattinam – Dist.

Sub.: Steel Test – Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

Sir,


Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited.

Sl.No	Description	Date of Cast	Identification Mark
1	TMT-Sail 500 8mm, 10mm, 12mm, 16mm – 1set	14.07.2018	KMP – OT13
2	TMT-Sail 500 8mm, 10mm, 12mm, 16mm – 1set	14.07.2018	KMP – OT14
3	TMT-Sail 500 8mm, 10mm, 12mm, 16mm – 1set	14.07.2018	KMP – OT15

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,


(K. Ram Mohan)
SE (Civil)



E. G.S. PILLAY ENGINEERING

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institute)

(Approved by AICTE, New Delhi, Approved by Government)

(Affiliated to Anna University Chennai)

Consultancy services

(Department of Civil Engineering)

No. EGSpec -009 - 1907 - 21748

Ph: 251112, 251114



E.G.S. PILLAY ENGINEERING COLLEGE

Nagapattinam - 611 002

Receipt No.: M 6932

Date: 19.7.18

Name: ONAC - Navy Consultant

Roll No./Reg. No.: Branch:

Semester/Duration:

Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee	900	00
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		900	00

In words Rs. Nine hundred only

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

- Any correction without attestation will invalidate this certificate.
- Materials were supplied by the job requester.





E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

C.No. EGSPEC -009 - 1907 - 21748

Date: 19.07.2018

TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Date of Casting : 12.07.18

Tested on : 19.07.18

Details of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 07 th Day			
	Load in KN	Strength (N/mm ²)	Average Strength
1	350	15.56	15.56 N/mm ²
2	350	15.56	
3	350	15.56	

[Signature]
Supervised by



[Signature]
HEAD OF THE DEPARTMENT
Dept. of Civil Engineering
E.G.S. Pillay Engg. College
NAGAPATTINAM - 611002

- Any correction without attestation will invalidate this certificate.
- Materials were supplied by the job requester.



E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

F.No. EGSPEC -009 - 1907 - 21748

Date: 19.07.2018

TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi
 Village in Nagapattinam- Dist.
 Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VCIC12103)/18-19
 Date of Casting : 12.07.18
 Tested on : 19.07.18
 Details of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 07 th Day			
	Load in KN	Strength (N/mm ²)	Average Strength
1	350	15.56	15.56 N/mm ²
2	350	15.56	
3	350	15.56	

[Signature]
Supervised by



[Signature]
HEAD OF THE DEPARTMENT
Dept. of Civil Engineering
E.G.S. Pillay Engg. College
NAGAPATTINAM - 611002

- Any correction without attestation will invalidate this certificate
- Materials were supplied by the job requester.



E. G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
(Affiliated to Anna University Chennai)

Consultancy services (Department of Civil Engineering)

No. EGSPCC -018 - 1008 - 21762

TEST CERTIFICATE ON CONCRETE CUBE

Ph: 251112, 251114

E. G. S. PILLAY ENGINEERING COLLEGE
Nagapattinam - 611 002

Receipt No.: **M96969** Date: **10.8.18**

Name: **Abdul Kariem**

Roll No./Reg. No.: _____ Branch: _____

Semester/Duration: _____

Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		900	00

In words Rs. **Nine hundred only**

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

TVR - 6 EPS at Kadam
3M(C)/T(VC1CC12103)

Concrete - M20

Day	
m ²	Average Strength
	21.48 N/mm ²

TEACHER IN CHARGE
Dept. of Civil Engg.
E.G.S. Pillay Engineering College
NAGAPATTINAM



E. G. S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC -018 - 1008 - 21762

Date: 10.08.18

TEST CERTIFICATE ON CONCRETE CUBE

INNOVATIVE
PRESENTATION
POSTER
VIDEOS

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Date of Casting : 12.07.18


Tested on : 10.08.18

Dimensions of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

No	Compressive Strength on 28 th Day		
	Load in KN	Strength (N/mm ²)	Average Strength
1	485	21.56	21.48 N/mm ²
2	485	21.56	
3	480	21.33	


Supervised by




HEAD OF THE DEPARTMENT
Dept. of Civil Engineering
E. G. S. Pillay Engg. College
NAGAPATTINAM 611002

- Notes:
- Any correction without attestation will invalidate this certificate
 - Materials were supplied by the job requester.



E. G.S.PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
(Affiliated to Anna University Chennai)

Consultancy services
(Department of Civil Engineering)

No. EGSPEC -011- 1208 - 21763

Name of Work :

TEST CERTIFICATE ON CONCRETE CUBE
Construction of compound wall at TVR - 6 EPS at
Village in Nagapattinam- Dist.

Requested by :

SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC100)

Ph: 251112, 251114
E.G.S. PILLAY ENGINEERING COLLEGE
Nagapattinam - 611 002

Receipt No.: **M96968** Date: **2.1.18.**

Name: **D. N. K. Kanikant**

Roll No./Reg. No.: Branch:

Semester/Duration:

Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
	TOTAL	900	00

In words Rs. **Nine Hundred only.**

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.



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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC -011- 1208 - 21763

Date: 12.08.2018

TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Date of Casting : 14.07.18


Tested on : 12.08.18

Details of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

No	Compressive Strength on 28 th Day		
	Load in KN	Strength (N/mm ²)	Average Strength
1	460	20.44	20.81 N/mm ²
2	480	21.33	
3	465	20.66	

Supervised by 




 TEACHER IN THE DEPARTMENT
 Dept. of Civil Engineering
 E. G. S. Pillay Engg. College
 NAGAPATTINAM 611002

- Notes:
- Any correction without attestation will invalidate in this certificate
 - Materials were supplied by the job requester



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Consultancy services (Department of Civil Engineering)

E.No. EGSPEC -012 - 2108 - 21775

TEST CERTIFICATE ON CONCRETE CUR

Ph: 251112, 251114

E.G.S. PILLAY ENGINEERING COLLEGE
Nagapattinam - 611 002

Receipt No.: M **96966** Date **21.2.18**

Name: *Mr. S. S. S. S.*

Roll No./Reg. No.: Branch:

Semester/Duration:

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		900 00	

In words Rs. *Nine Hundred only.*

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

at TVR -

DGM(C)/

KMP OT

7th Day

(mm²)



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Consultancy services (Department of Civil Engineering)

f.No. EGSPEC -012 - 2108 - 21775

Date: 21.08.2018

TEST CERTIFICATE ON CONCRETE CUBE

Work : Construction of compound wall at TVR - 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Cast by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Casting : 14.07.13


Tested on : 21.08.13

Size of Sample : size 150 x 150 x 150 mm, KMP OT 13, 14 ,15 - M20

Compressive Strength on 07 th Day		
Load in KN	Strength (N/mm ²)	Average Strength
380	16.89	17.11 N/mm ²
385	17.11	
390	17.33	

Supervised by 




 HEAD OF THE DEPARTMENT
 Head of the Dept.
 Dept. of Civil Engineering
 E. G. S. Pillay Engg. College
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Consultancy services
 (Department of Civil Engineering)

No. EGSPEC -008 - 2507 - 21760

TEST CERTIFICATE ON CONCRETE CUBES

Ph: 251112, 251114

E.G.S. PILLAY ENGINEERING COLLEGE
 Nagapattinam - 611 002

Receipt No.: **M96959** Date: **25.7.12**

Name: **ORUC Kamile**

Roll No./Reg. No.: Branch:

Semester/Duration:

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		900 00	

In words Rs. **Nine Hundred only**

For Principal

all at TVR - 6
 ist.
 ES/DGM(C)/T

m, KPEA- RL 1

on 28th Day

th (N/mm ²)	
1.33	
1.33	
1.77	

- NOTE: This Receipt should be produced for verification as an when demanded by the office.
- Any correction without attestation will not be accepted.
 - Materials were supplied by the job requester.



TEA
 Dep
 S.O.
 NAG



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Consultancy services (Department of Civil Engineering)

No. EGSPEC -008 - 2507 - 21760

Date: 25.07.2018

TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.
 Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19
 Date of Casting : 28.06.18
 Date of Test : 25.07.18
 Size of Sample : size 150 x 150 x 150 mm, KPEA- RL 1 2 3 – M20

Compressive Strength on 28 th Day		
Load in KN	Strength (N/mm ²)	Average Strength
480	21.33	21.48 N/mm ²
480	21.33	
490	21.77	

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- Any correction without attestation will invalidate this certificate
- Materials were supplied by the job requester.



Head of the Department
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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC -007- 2507 - 21754

TEST CERTIFICATE ON CONCRETE CUBE

Ph: 251112, 251114
E. G. S. PILLAY ENGINEERING COLLEGE
 Nagapattinam - 611 002

Receipt No.: M96946 Date: 25.7.18

Name: *ANU Chemical*

Roll No./Reg. No.: Branch:

Semester/Duration:

Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		900	00

9000 only
day
Cube test

In words Rs. *Nine Hundred only*

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

1 at TVR - 6 E
3/DGM(C)/T(V

, Pile Concrete

28th Day

(N/mm ²)
44
33
66





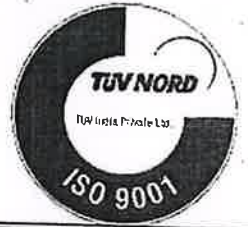
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Consultancy services (Department of Civil Engineering)

Ref.No. EGSPEC -007- 2507 - 21754

Date: 25.07.2018

TEST CERTIFICATE ON CONCRETE CUBE

Name of Work :

Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Requested by :

SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Date of Casting :

28.06.18

Tested on :

25.07.18

Details of Sample :

size 150 x 150 x 150 mm, Pile Concrete – M20

No	Compressive Strength on 28 th Day		
	Load in KN	Strength (N/mm ²)	Average Strength
1	460	20.44	20.81 N/mm ²
3	480	21.33	
	465	20.66	

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Dept. of Civil Engineering
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NAGAPATTINAM 611002

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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC - 013 - 0706 - 21712

Name of Work :

TEST CERTIFICATE ON STEEL REINFORCEMENT
Construction of compound wall at TVR - 6 EPS at

 E.G.S. PILLAY ENGINEERING COLLEGE Nagapattinam - 611,002 Ph: 251112, 251114			
Receipt No.: M 96917	Date: 7.6.18		
Name: <i>O.D.C. Pravin</i>	Branch: _____		
Roll No./Reg. No.: _____	Semester/Duration: _____		
Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine <i>Steel</i>		
7.	General Breakeage		
8.	Application Fee		
9.	Transport Fee <i>Dist.</i>	8000	00
10.	Identity Card		
11.	Library Card <i>4 Type</i>		
12.	Others <i>8mm, 10, 12, 16</i>		
TOTAL		8000	00
In words Rs. <i>Eight thousand only.</i>			

Tensile strength	Yield strength
mm ²	N/mm ²
88.33	428
	426
	428
	426
195.66	424
	425
496	420
	422
	425
493	420
	422
	420

NOTE: This Receipt should be produced for verification as and when demanded by the office.
For Principal



Personal : 251114, Office : 251112, Chairman : 224522, Hostel : 251348, Fax :
Web site : www.egspec.org



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Consultancy services (Department of Civil Engineering)

No. EGSPEC - 013 - 0706 - 21712

Date: 07.06.2018

TEST CERTIFICATE ON STEEL REINFORCEMENT

Name of Work : Construction of compound wall at TVR - 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Tested on : 07.06.18

Details of Sample : (TMT) of SAIL

Sample No.	Unit Wt	Average Unit Wt	Elongation	Avg. Elongation	Ult. Tensile strength	Avg. Ult. Tensile strength	Yield strength	Avg. Yield Strength	Bend & ReBend	Proof Stress Test
	Kg/m	Kg/m	%	%	N/mm ²	N/mm ²	N/mm ²	N/mm ²	IS 1786 : 2008	
1	0.42	0.423	15.85	15.85	485	488.33	428	427.33	50	0.2%
2	0.43		15.90		490		426		44 mm	500 N/mm ²
3	0.42		15.80		490		428		70	0.2%
1	0.614	0.615	14.90	14.88	496	495.66	426	425.00	78 mm	500 N/mm ²
2	0.615		14.80		493		424		40	0.2%
3	0.617		14.95		498		425		52 mm	500 N/mm ²
1	0.886	0.887	14.50	14.50	495	496	420	422.33	40	0.2%
2	0.888		14.65		495		422		500 N/mm ²	
3	0.888		14.75		498		425		66 mm	500 N/mm ²
1	1.579	1.578	14.25	14.22	490	493	420	420.67	40	0.2%
2	1.578		14.15		495		422		500 N/mm ²	
3	1.578		14.25		495		420		66 mm	500 N/mm ²

Supervised by



HEAD OF THE DEPARTMENT
Dept. of Civil Engineering
E.G.S. Pillay Engg. College
NAGAPATTINAM 611002

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- Materials were supplied by the job requester.



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 (Affiliated to Anna University Chennai)

Consultancy services (Department of Civil Engineering)

No. EGSPEC - 402 - 0402 - 2018

Date

Name of Work

TEST CERTIFICATE ON STEEL REINFORCEMENT
 : Construction of toilet block for ladies and gents at the junction side inner ring road & Nalatheertham road, Thirunallar.

Requester

PH: 251112, 251114

Committee



E.G.S. PILLAY ENGINEERING COLLEGE

Nagapattinam - 611 002

Receipt No.: **M96964**

Date: **1.2.18**

Name: **D. P. L. Karim**

Roll No./Reg. No.: Branch:

Semester/Duration:

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		8000.00	

In words Rs. **Eight Thousand only**

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

- Any correction without attestation will invalidate this certificate.
- Materials were supplied by the job requester.



Tensile strength	Yield strength	Avg. Yield
nm ²	N/mm ²	N/mm ²
428		
426		427
428		
426		
424		425
425		
420		
422		422.5
425		
420		
422		420.6
420		

HEAD OF DEPT
 Dept. of Civil
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 NAGAPATTINAM



E. G.S.PILLAY ENGINEERING COLLEGE

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(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

No. EGSPEC - 402 - 0402 - 2018

Date: 04.02.2018

TEST CERTIFICATE ON STEEL REINFORCEMENT

Name of Work

: Construction of toilet block for ladies and gents at the junction of northern side inner ring road & Nalatheertham road, Thirunallar.

Requested by

: Assistant Engineer, Technical Monitoring Committee

Requester's Letter No

: AE (TMC)/SDSD/TNR/2018 - 2019

Issued on

: 04.02.2018

Material of Sample

: (TMT) of SAIL

Sample No.	Unit Wt	Average Unit Wt	Elongation	Avg. Elongation	Ult. Tensile strength	Avg. Ult. Tensile strength	Yield strength	Avg. Yield Strength	Bend & ReBend	Proof Stress Test
	Kg/m	Kg/m	%	%	N/mm ²	N/mm ²	N/mm ²	N/mm ²		
1	0.42	0.423	15.85	15.85	485	488.33	428	427.33	50	0.2%
2	0.43		15.90		490		426			
3	0.42		15.80		490		428			
1	0.614	0.615	14.90	14.88	496	495.66	426	425.00	44 mm	N/mm ²
2	0.615		14.80		493		424		70	0.2%
3	0.617		14.95		498		425		78 mm	500
1	0.886	0.887	14.50	14.50	495	496	420	422.33	40	0.2%
2	0.888		14.65		495		422		500	
3	0.888		14.75		498		425		52 mm	N/mm ²
1	1.579	1.578	14.25	14.22	490	493	420	420.67	40	0.2%
2	1.578		14.15		495		422		500	
3	1.578		14.25		495		420		66 mm	N/mm ²

Supervised by 



Head of the Department
Dept. of Civil Engineering
E.G.S. Pillay Engg. College
NAGAPATTINAM 611002

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(Affiliated to Anna University Chennai)

Consultancy services

(Department of Civil Engineering)

Ref.No. EGSPC - 402 - 0402 - 2018

Date:

Name of Work

TEST CERTIFICATE ON STEEL REINFORCEMENT

: Construction of toilet block for ladies and gents at the junction side inner ring road & Nalatheertham road, Thirunallar.

Monitoring Committee

Ph: 251112, 251114

E.G.S. PILLAY ENGINEERING COLLEGE
Nagapattinam - 611 002

Receipt No.: **M95519** Date: **4.2.18**

Name: *On the certificate*

Roll No./Reg. No.: Branch:

Semester/Duration:

Sl.No	PARTICULARS	Rs	Ps
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage	<i>8000 00</i>	
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		8000 00	

In words: *Eight thousand only.*

For Principal's
Signature: _____
Date: _____

NOTE: This Receipt should be produced for verification as per when v...

Avg. Ult. Tensile strength	Yield strength	Avg. Yield
N/mm ²	N/mm ²	N/mm ²
488.33	428	427
	426	
	428	
	426	
495.66	424	425
	425	
	420	
496	422	422
	425	
	420	
493	422	420
	420	



TEACHER
Dept. of C
E.G.S. PILLAY
NAGAPATTINAM

- Any correction without attestation will invalidate this certificate
- Materials were supplied by the job requester.



E. G.S. PILLAY ENGINEERING COLLEGE
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 (Affiliated to Anna University Chennai)

Consultancy services
 (Department of Civil Engineering)

Ref. No. EGSPEC - 402 - 0402 - 2018

Date: 4.2.18

TEST CERTIFICATE ON STEEL REINFORCEMENT
 : Construction of toilet block for ladies and gents at the junction
 side inner ring road & Nalatheertham road, Thirunallar.

Monitoring Committee

E.G.S. PILLAY ENGINEERING COLLEGE		Nagapattinam - 611 002	
Receipt No.: M95519		Date: 4.2.18	
Name: <i>On the University</i>			
Roll No./Reg. No.:		Branch:	
Semester/Duration:			
Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage	<i>8000 00</i>	
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		8000 00	
In words Rs. <i>Eight Thousand only.</i>			
		For Principals	

Avg. Ult. Tensile strength	Yield strength	Avg. Yield
N/mm ²	N/mm ²	N/mm ²
488.33	428	427
	426	
	428	
	426	
495.66	424	425
	425	
	420	
496	422	422
	425	
	420	
493	422	420
	420	

NOTE: This Receipt should be produced for verification as & when required by the office.

1. Any correction without attestation will invalidate this certificate
 2. Materials were supplied by the job requester.



TEACHER
 Dept. of C
 E.G.S. PILLAY
 NAGAPATTINAM



E. G.S.PILLAY ENGINEERING COLLEGE

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(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

No. EGSPEC - 402 - 0402 - 2018

Date: 04.02.2018


TEST CERTIFICATE ON STEEL REINFORCEMENT

Name of Work : Construction of toilet block for ladies and gents at the junction of northern side inner ring road & Nalatheertham road, Thirunallar.
Requested by : Assistant Engineer, Technical Monitoring Committee
Client's Letter No : AE (TMC)/SDSD/TNR/2018 - 2019
Tested on : 04.02.2018
Details of Sample : (TMT) of SAIL

Dia. in mm	Sample No.	Unit Wt	Average Unit Wt	Elongation	Avg. Elongation	Ult. Tensile strength	Avg. Ult. Tensile strength	Yield strength	Avg. Yield Strength	Bend & ReBend	Proof Stress Test
		Kg/m	Kg/m	%	%	N/mm ²	N/mm ²	N/mm ²	N/mm ²	IS 1786 : 2008	
8	1	0.42	0.423	15.85	15.85	485	488.33	428	427.33	50	0.2%
	2	0.43		15.90		490		426		500	
	3	0.42		15.80		490		428		44 mm	N/mm ²
10	1	0.614	0.615	14.90	14.88	496	495.66	426	425.00	70	0.2%
	2	0.615		14.80		493		424		500	
	3	0.617		14.95		498		425		78 mm	N/mm ²
12	1	0.886	0.887	14.50	14.50	495	496	420	422.33	40	0.2%
	2	0.888		14.65		495		422		500	
	3	0.888		14.75		498		425		52 mm	N/mm ²
16	1	1.579	1.578	14.25	14.22	490	493	420	420.67	40	0.2%
	2	1.578		14.15		495		422		500	
	3	1.578		14.25		495		420		66 mm	N/mm ²

Supervised by 




 TEACHER IN THE DEPARTMENT
 Dept. of Civil Engineering
 E. G. S. Pillay Engg. College
 NAGAPATTINAM - 611002

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- Materials were supplied by the job requester.



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 (Affiliated to Anna University Chennai)

Consultancy services
 (Department of Civil Engineering)

Ref.No. EGSPEC - 402 - 0402 - 20181

TEST CERTIFICATE ON STEEL REINFORCEMENT

Work: Construction of toilet block for ladies and gents at ... m road, Thiruvalluvar Engineering Comm

Ph: 251112, 251114
E.G.S. PILLAY ENGINEERING COLLEGE
 Nagapattinam - 611 002

Receipt No.: **M95917** Date: **4.2.18**

Name: **Omule Karthikeyan**

Roll No./Reg. No.: Branch:

Semester/Duration:

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		8000.00	

Steel Test

In words Rs. **Eight Thousand only**

Avg. Ult. Tensile strength	Yield	
2	N/mm ²	N/mm ²
	488.33	428
		426
		428
		426
	495.66	424
		425
		420
	496	422
		425
		420
	493	422
		420

NOTE: This Receipt should be produced for verification as and when demanded by the office.

For Principal

Supervised by



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- Materials were supplied by the job requester.



E. G. S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

Ref. No. EGSP-402 - 0402 - 20181

Date: 04.02.2018

TEST CERTIFICATE ON STEEL REINFORCEMENT

Name of Work

: Construction of toilet block for ladies and gents at the junction of northern side inner ring road & Nalatheertham road, Thirunallar.

Requested by

: Assistant Engineer, Technical Monitoring Committee

Ref. Letter No

: AE (TMC)/SDSD/TNR/2018 - 2019

Tested on

: 04.02.2018

Details of Sample

: (TMT) of SAIL

Sample No.	Unit Wt	Average Unit Wt	Elongation	Avg. Elongation	Ult. Tensile strength	Avg. Ult. Tensile strength	Yield strength	Avg. Yield Strength	Bend & ReBend	Proof Stress Test
	Kg/m	Kg/m	%	%	N/mm ²	N/mm ²	N/mm ²	N/mm ²	IS 1786 : 2008	
1	0.42	0.423	15.85	15.85	485	488.33	428	427.33	50	0.2%
2	0.43		15.90		490		426		500	
3	0.42		15.80		490		428		44 mm	N/mm ²
1	0.614	0.615	14.90	14.88	496	495.66	426	425.00	70	0.2%
2	0.615		14.80		493		424		500	
3	0.617		14.95		498		425		78 mm	N/mm ²
1	0.886	0.887	14.50	14.50	495	496	420	422.33	40	0.2%
2	0.888		14.65		495		422		500	
3	0.888		14.75		498		425		52 mm	N/mm ²
1	1.579	1.578	14.25	14.22	490	493	420	420.67	40	0.2%
2	1.578		14.15		495		422		500	
3	1.578		14.25		495		420		66 mm	N/mm ²

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Head of the Dept
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Dept. of Civil Engineering
E. G. S. Pillay Engg. College
NAGAPATTINAM 611002

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Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC - 402 - 0402 - 20119

Name of Work

TEST CERTIFICATE ON STEEL REINFORCEMENT

Ph: 251112, 251114

and gents at the junction of road, Thirunallur Engineering Committee



E.G.S. PILLAY ENGINEERING COLLEGE

Nagapattinam - 611 002

Receipt No.: **M95517**

Date: 4.2.17

Name: *Dr. M. S. Senthil Kumar*

Roll No./Reg. No.: Branch:

Semester/Duration:

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		800.00	

Steel 800000

In words Rs. *Eight Hundred only.*

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.



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Consultancy services (Department of Civil Engineering)

No. EGSPEC - 402 - 0402 - 20119

Date: 04.02.2018

Name of Work

TEST CERTIFICATE ON STEEL REINFORCEMENT
: Construction of toilet block for ladies and gents at the junction of northern side inner ring road & Nalatheertham road, Thirunallar.

Requested by

: Assistant Engineer, Technical Monitoring Committee

Requester's Letter No

: AE (TMC)/SDSD/TNR/2018 - 2019

Issued on

: 04.02.2018

Details of Sample

: (TMT) of SAIL

Sample No.	Unit Wt	Average Unit Wt	Elongation	Avg. Elongation	Ult. Tensile strength	Avg. Ult. Tensile strength	Yield strength	Avg. Yield Strength	Bend & ReBend	Proof Stress Test
	Kg/m	Kg/m	%	%	N/mm ²	N/mm ²	N/mm ²	N/mm ²	IS 1786 : 2008	
1	0.42	0.423	15.85	15.85	485	488.33	428	427.33	50	0.2%
2	0.43		15.90		490		426		44 mm	500 N/mm ²
3	0.42		15.80		490		428		70	0.2%
1	0.614	0.615	14.90	14.88	496	495.66	426	425.00	78 mm	500 N/mm ²
2	0.615		14.80		493		424		40	0.2%
3	0.617		14.95		498		425		52 mm	500 N/mm ²
1	0.886	0.887	14.50	14.50	495	496	420	422.33	40	0.2%
2	0.888		14.65		495		422		500 N/mm ²	
3	0.888		14.75		498		425		52 mm	500 N/mm ²
1	1.579	1.578	14.25	14.22	490	493	420	420.67	40	0.2%
2	1.578		14.15		495		422		500 N/mm ²	
3	1.578		14.25		495		420		66 mm	500 N/mm ²

Supervised by



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Dept. of Civil Engineering
E.G.S. Pillay Engg. College
NAGAPATTINAM 611002

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Consultancy services (Department of Civil Engineering)

Ref. No. EGSP -004 - 1507 - 21742

TEST CERTIFICATE ON CONCRETE CUBE

Ph: 251112, 251114
E.G.S. PILLAY ENGINEERING COLLEGE
 Nagapattinam - 611 002

Receipt No.: M95513 Date: 15.7.18

Name: *Mr. S. Sankar*

Roll No./Reg. No.: _____ Branch: _____

Semester/Duration: _____

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General/Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		900	00

In words Rs. *One thousand only*

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.





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Consultancy services (Department of Civil Engineering)

Ref. No. EGSP -004 - 1507 - 21742

Date: 15.07.18

TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi
 Village in Nagapattinam- Dist.
 Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19
 Date of Casting : 12.06.13
 Date of Test : 15.07.13
 Size of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 28 th Day		
Load in KN	Strength (N/mm ²)	Average Strength
485	21.56	21.48 N/mm ²
485	21.56	
480	21.33	

Reviewed by



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 Dept. of Civil Engineering
 E. G. S. Pillay Engg. College
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 (Affiliated to Anna University Chennai)

Consultancy services
 (Department of Civil Engineering)

Ref. No. EGSP -003 - 0108 - 21761

Date: 01

TEST CERTIFICATE ON CONCRETE CUBE

Name of
 Requester
 Date of
 Test
 Details

Sl. No

1
 2

		E.G.S. PILLAY ENGINEERING COLLEGE		Ph: 251112, 251114
		Nagapattinam - 611 002		
Receipt No.: M92946		Date: 1.1.18		
Name: D. N. S.		Branch: Civil		
Roll No./Reg. No.:		Semester/Duration:		
Sl. No.	PARTICULARS	Rs.	Ps.	
1.	University Registration Fee			
2.	University Examination Fee			
3.	Provisional Certificate & Degree			
4.	Convocation Fee			
5.	Condonation Fee			
6.	Individual Fine / Library Fine			
7.	General Breakage			
8.	Application Fee			
9.	Transport Fee			
10.	Identity Card			
11.	Library Card			
12.	Others			
	Cube Test	900 00		
	TOTAL	900 00		
In words Rs. Nine Hundred				
		For Principal		

- 6 EPS at Kadamb

C)/T(VC1CC12103)/

concrete - M20

ay	Average Strength
n ²)	17.93 N/mm ²



Head of the Dept
 Dept. of Civil Engg
 E.G.S. Pillay Eng
 NAGAPATTINAM



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Consultancy services (Department of Civil Engineering)

No. EGSP -003 - 0108 - 21761

Date: 01.08.2018

TEST CERTIFICATE ON CONCRETE CUBE

Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi
Village in Nagapattinam- Dist.

by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Testing : 24.07.18


: 01.08.18

Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 7 th Day		
Load in KN	Strength (N/mm ²)	Average Strength
400	17.78	17.93 N/mm ²
400	17.78	
410	18.22	

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Consultancy services (Department of Civil Engineering)

No. EGSP -002 - 1006 - 21722

Date: 10.06.2018

TEST CERTIFICATE ON CONCRETE CUBE

		Ph: 251112, 251114	
E.G.S. PILLAY ENGINEERING COLLEGE			
Nagapattinam - 611 002			
Receipt No.: M91946		Date: 10.6.18	
Name: <i>M. S. S. Kumaravel</i>			
Roll No./Reg. No.:		Branch:	
Semester/Duration:			
Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		900 00	
In words Rs. <i>Nine hundred only</i>			
For Principal			

TVR - 6 EPS at Kadambangudi

GM(C)/T(VCI1CC12103)/18-19

Concrete - M20

th Day	
mm ²)	Average Strength
	17.04 N/mm ²

[Signature]
 TEACHER IN CHARGE DEPARTMENT
 Dept. of Civil Engineering
 E.G.S. Pillay Engg. College
 NAGAPATTINAM 611002





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Consultancy services (Department of Civil Engineering)

Ref. No. EGSP -002 - 1006 - 21722

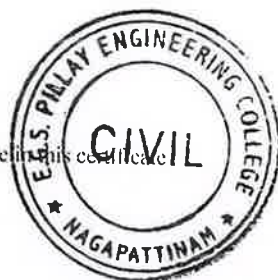
Date: 10.06.2018


TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.
Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19
Date of Casting : 03.06.18
Tested on : 10.06.18
Details of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 7 th Day		
Load in KN	Strength (N/mm ²)	Average Strength
385	17.11	17.04 N/mm ²
385	17.11	
380	16.89	


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Dept. of Civil Engineering
E. G. S. Pillay Engg. College
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Consultancy services (Department of Civil Engineering)

Ref.No. EGSP -001 - 0706 - 21720

Date: 07.06.2018

Ph: 251112, 251114

E.G.S. PILLAY ENGINEERING COLLEGE
Nagapattinam - 611 002

Receipt No.: **M91669** Date: **7.6.18**

Name: **Dr. A. S. S. S. S. S.**

Roll No./Reg. No.: Branch:

Semester/Duration:

Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		90000	

In words Rs. **Nine thousand only**

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

RETE CUBE

at TVR - 6 EPS at Kadambangudi

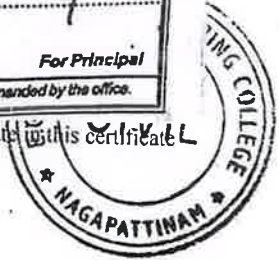
/DGM(C)/T(VC1CC12103)/18-19

Pile Concrete - M20

07 th Day	
√/mm ²)	Average Strength
3	15.85 N/mm ²
3	
3	

[Signature]
2018

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NAGAPATTINAM 611002



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 (Affiliated to Anna University Chennai)



Consultancy services
 (Department of Civil Engineering)

No. EGSP -001 - 0706 - 21720

Date: 07.06.2018

TEST CERTIFICATE ON CONCRETE CUBE

of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.
 ted by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19
 Casting : 31.05.18
 in : 07.06.18
 of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 07 th Day		
Load in KN	Strength (N/mm ²)	Average Strength
355	15.78	15.85 N/mm ²
355	15.78	
360	16.00	

revised by



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 Dept. of Civil Engineering
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 NAGAPATTINAM 611002

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(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

No. EGSPEC -006-1507 - 21740

Date: 15.07.2018

		Ph: 251112, 251114	
E.G.S. PILLAY ENGINEERING COLLEGE			
Nagapattinam - 611 002			
Receipt No.: M91641		Date: 15.7.18	
Name: P.N.C. Isaraiyal			
Roll No./Reg. No.:		Branch:	
Semester/Duration:			
Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree	M20	
4.	Convocation Fee		
5.	Condonation Fee	Cube	
6.	Individual Fine / Library Fine		
7.	General Breakage	Rest	
8.	Application Fee	900	00
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		900	00
In words Rs. Nine Hundred only.			
For Principal			

NETE CUBE
at TVR - 6 EPS at Kadambangudi
DGM(C)/T (VC1CC12103)/18-19
Platform 3, 4, 5 - M20

8 th Day	
/mm ²)	Average Strength
	20.88 N/mm ²

[Signature]
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Dept. of Civil Engineering
E.G.S. Pillay Engg. College
NAGAPATTINAM 611002





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(Affiliated to Anna University Chennai)



Consultancy services (Department of Civil Engineering)

No. EGSPEC -006-1507 - 21740

Date: 15.07.2018

TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/18-19

Date of Casting : 12.06.18


Tested on : 15.07.18

Details of Sample : size 150 x 150 x 150 mm, Platform 3, 4, 5 – M20

Compressive Strength on 28 th Day		
Load in KN	Strength (N/mm ²)	Average Strength
460	20.44	20.88 N/mm ²
475	21.11	
475	21.11	

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 HEAD OF THE DEPARTMENT
 Head of the Dept.
 Dept. of Civil Engineering
 E.G.S. Pillay Engg. College
 NAGAPATTINAM - 611002

Any correction without attestation will invalidate this certificate.
Materials were supplied by the job requester.



E.G.S. PILLAY ENGINEERING COLLEGE(Autonomous)

NAGAPATTINAM - 611 002.

Accredited by NBA (CSE, EEE, Mech, Civil, ECE & IT) Accredited by NAAC with 'A' Grade
An ISO 9001:2008 Certified Institution

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL

Ref: EGSPEC/APRIL/2019

14/04/2019

Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.	01
3	Date	14/04/2019
4	No. of Attendees	2

Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	
2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	

Memorandum of Understanding

The memorandum of understanding is entered on this 3rd February, 2019 between Sun fiber boat and sea foods, nagore, Tamilnadu-611002, here in after called the party of the first part represented by Shri.B.Mohan, proprietor, Sun fiber boat and sea foods.

And

Department of Mechanical Engineering, E.G.S.Pillay Engineering College, Old nagore road, Nagapattinam, Tamilnadu-611002, her in after called the party of the second part represented by Dr.V.Sivaraman, Professor, E.G.S.Pillay Engineering college here in after called the party of the second part. We are happy to sign Memorandum of Understanding for the purpose of doing consultancy work for the title "Design and fabrication of FRP Boat for the use of fishing purpose" The period from April 2019 to October 2019(6 months). We accept and satisfy the requirement from both side and it is very good platform for us. This MOU is effect from 14.04.2019

Proprietor



14/4/19

On behalf of EGSPEC

Principal

E.G.S. Pillay Engineering College

Nagapattinam

Personal : 251114, Office : 251112, Chairman : 224522, Hostel : 251348, Fax : (04365) 251114

Web site : www.egspec.org



E.G.S. PILLAY ENGINEERING COLLEGE(Autonomous)

NAGAPATTINAM - 611 002.

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An ISO 9001:2008 Certified Institution

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



Dr. S. RAMABALAN M.E.Ph.D.,
PRINCIPAL

Ref: EGSPEC/APRIL/2019

14/04/2019

Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.	01
3	Date	14/04/2019
4	No. of Attendees	2

Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	
2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	

Memorandum of Understanding

The memorandum of understanding is entered on this 3rd February, 2019 between Sun fiber boat and sea foods, nagore, Tamilnadu-611002, here in after called the party of the first part represented by Shri.B.Mohan, Proprietor, Sun fiber boat and sea foods.

And

Department of Mechanical Engineering, E.G.S.Pillay Engineering College, Old nagore road, Nagapattinam, Tamilnadu-611002, her in after called the party of the second part represented by Dr.V.Sivaraman, Professor, E.G.S.Pillay Engineering college here in after called the party of the second part. We are happy to sign Memorandum of Understanding for the purpose of doing consultancy work for the title "Design and fabrication of FRP Boat for the use of fishing purpose" The period from April 2019 to October 2019(6 months). We accept and satisfy the requirement from both side and it is very good platform for us.

This MOU is effect from 14.04.2019

On behalf of Proprietor



14/4/19

On behalf of EGSPEC
PRINCIPAL
E.G.S. Pillay Engineering College
Nagapattinam

Personal : 251114, Office : 251112, Chairman :-224522, Hostel : 251348, Fax : (04365) 251114
Web site : www.egspec.org

SUN FIBER BOATS & SEA FOODS

No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN: 33BJOPM7318D1Z7
Ph.8610447629

To
The Principal
EGS Pillay Engineering College
Nagapattinam

15-04-2019

Sir,

Sub: FRP boat order – reg.

With reference to our discussion with you and Dr.V.Sivaraman, we are interested to give order to deliver the boat with the following specifications

1. Length 42 feet 2. Breadth 11 feet 3. Height 4 feet

The boat should have two engines with maximum capacity of 50 HP each. The cabin size must accommodate minimum 3 to 4 person with steering wheel and other necessary accessories. We can pay Rs.11 lakhs (Eleven Lakhs only) for the entire project, if you are interested kindly send your acceptance immediately.

Thanking You

With regards





E.G.S. PILLAY ENGINEERING COLLEGE(Autonomous)

NAGAPATTINAM - 611 002.

Accredited by NBA (CSE, EEE, Mech, CIVIL, ECE & IT) Accredited by NAAC with 'A' Grade
An ISO 9001:2008 Certified Institution

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



**Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL**

Ref: EGSPEC/MECH/APRIL/2019

16/04/2019

To

Shri.B.Mohan
Proprietor
Sun fibre boats and sea foods
Nagore
Tamilnadu-611002.

Sir


Sub: Consultancy work-reg

Greeting from E.G.S.Pillay Engineering College, Nagapattinam.

We are happy to inform you that herewith we attached the technical specification and description of the consultancy work for you reference and fix a date for meeting to discuss about the consultancy work and budget details.

Thank you

Yours truly


Dr.S.Ramabalan

E.G.S. Pillay Engineering College
Nagapattinam.

SUN FIBER BOATS & SEAFOODS

No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN:33BJOPM7318D1Z7
Ph.8610447629

REF: EGSPEC/MAY/2019

25/05/2019

To

Dr.S.Ramabalan
Principal
E.G.S.Pillay Engineering College
Nagapattinam
Tamilnadu-611002

Sir

Sub: Consultancy work-reg

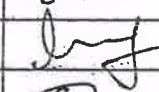
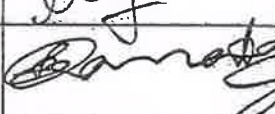
Consultancy second minutes of meeting conducted with below mentioned field experts as on date

10.6.2019.

Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.	02
3	Date	25.05.2019
4	No. of Attendees	1

Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	
2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	V.Sivaraman

SUN FIBER BOATS & SEAFOODS

No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN:33BJOPM7318D1Z7
Ph.8610447629

REF: EGSPEC/MAY/2019

25/05/2019

To

Dr.S.Ramabalan
Principal
E.G.S.Pillay Engineering College
Nagapattinam
Tamilnadu-611002

Sir

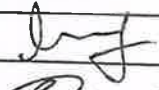

Sub: Consultancy work-reg

Consultancy second minutes of meeting conducted with below mentioned field experts as on date
10.6.2019.

Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.	02
3	Date	25.05.2019
4	No. of Attendees	1

Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	
2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	V.Sivaraman

SUN FIBER BOATS & SEAFOODS


No.11,Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN:33BJOPM7318D1Z7
Ph.8610447629

Certificate of Appreciation

On behalf of the company I sincerely thank the R&D department of E.G.S.Pillay Engineering College for their excellent consultancy work in manufacturing fibre boat as per our specific requirements I also thank the Principal Dr.S.Ramabalan and Dr.V.Sivaraman for their timely support and help in finishing the project on time. Our customer was very happy with the boat design and finishing. In future we request you to help to complete similar projects for our company.



For SUN FIBRE BOAT AND SEA FOODS

Authorized Signatory




**E.G.S.PILLAY ENGINEERING COLLEGE
NAGAPATTINAM.
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Table 5.8.4 Details of Consultancy work

Academic Year 2018-2019					
S.No.	Name of the Company	Nature of Work	Duration	Consultancy Fee in Rs	Faculty Involved in the Work
1.	Device Control Systems, 4-Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills-Post,, Coimbatore, Tamil Nadu 641029	Automatic and SMS based Irrigation Field Motor Control System	Four Month	1,15,000	Dr.M.Vijayakumar Mr.K.Krishnaram Mr.B.A.Naveen Antony
2.	Evolvicx Technology Solutions, No.6/76A Mannar Serfoji Nagar, New Busstand, Thanjavur-6	Electrical Appliances controller using Android app with Bluetooth	Two Month	78,000	Dr.M.Vijayakumar Dr.V.Mohan Mr.P.J.Suresh babu
3.	Device Control Systems, 4-Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills-Post,, Coimbatore, Tamil Nadu 641029	Electrical Appliances Control using IOT	Three Month	82,000	Dr.M.Vijayakumar Mr.K.Nandakumar Dr.T.Suresh Padmanabhan
Total Amount				2,75,000	


R& D Coordinator


HOD/EEE

**Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD**
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam



06.07.2018

Dear Mr M Vijayaraj Kumar,

As per our discussion I would be most pleased to please arrange the one to one meeting with your expert team to develop my requirements for an Automatic and SMS based very good field mobile stored procedure. It is for farmers of Coimbatore district. It is most urgent.

Thanks with Warm Regards

For Device Control Systems



S.SIVAKUMAR
PARTNER
98430 78999

DEVICE CONTROL SYSTEMS

SF No 5047B, King Pudur Road, Richuram Nagar, Suburban area, Coimbatore - 570 003, Tamil Nadu, India. Phone: 98430 78999
Tel: +91 422 4366861 | Email: Devicecontrol@dcsl.com

AFIX PAPER SYSTEMS

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 11/07/2018

Subject: One to One Discussion –Regarding

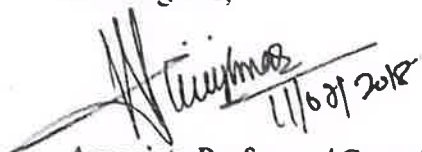
Dear Er. S. Sivakumar,

I'm Mr. M. Vijayakumar working as Associate Professor and Consultant at E.G.S.Pillay Engineering College Nagapattinam. With your inquired, Here, we specialize in Advanced Embedded System, PCB Design and Fabrication and we've helped your consumer product development up to end. Since you're a Managing Director at Device Control Systems, Coimbatore, I believe we could collaborate to achieve good consumer product by using our Consultancy.

I'd like to invite you to our office at E.G.S.Pillay Consultancy Services, E.G.S.Pillay Engineering College, Nagapattinam for a meeting to discuss this further. Would either 16/07/2018 or 19/07/2018, 10-4 AM/PM work for you?

Please let me know if you'd like to meet at a different time.

Kind regards,



M. Vijayakumar
11/6/2018

Associate Professor / Consultant

EGSPCS

Contact Number: +91 9488012038

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 17/07/2018

To

Er. S.Sivakumar,
M/S Device Control System,
4, Rishiram Nagar,
KNG Pudur Main Road,
SM Palayam,
GN Mills Post,
Coimbatore.

Dear Er.S.Sivakumar,

Thank you for taking the time to meet with my colleagues from the Department of EEE, EGSPCS and me today regarding your Consumer product development goals. It's been a pleasure talking to you and learning about your Company. With reference to our discussion on Automatic SMS based Irrigation Field motor control system and further deliberations from there on, please find the quotation for the complete product design including the delivery of PCB and manufacturing files. Looking forward to your formal Purchase order.

Thanks & Regards



Dr. V. MOHAN M.E.,Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

QUOTATION

REF: EGSPCS/QUOT/EEE/2018/101

Date: 18/07/2018

To

Er. S.Sivakumar,
M/S Device Control System,
4, Rishiram Nagar,
KNG Pudur Main Road,
SM Palayam,
GN Mills Post,
Coimbatore.

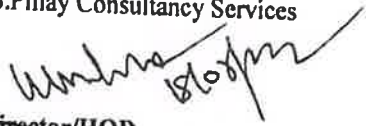
Sub: Quotation for Automatic SMS based Irrigation Field motor control system - Reg

Dear Madam,

Warm Greetings from E.G.S.Pillay Consultancy Services.

With reference to our discussion for Automatic SMS based Irrigation Field motor control system and further deliberations from there on, we are pleased to submit the Quotation for the same. Please feel free to contact us so that we can initiate the proceedings. Looking forward to hear from you.

For E.G.S.Pillay Consultancy Services


Director/HOD

Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.

Commercials for Automatic SMS based Irrigation Field motor control system

Sl. No.	Particulars	Quantity	Rate	Amount In Rs
1.	Mother Board: Design and Development Charge	1	35,000	35,000
2.	Cabinet Design and Development Charge	1	25,000	25,000
3.	Automatic SMS based Irrigation Field motor control system with Sensors	10	5,500 each	55,000
			Sub Total	1,15,000
			Total Payable	1,15,000
In Words: One Lakh, Fifteen Thousand only				

Account Details:

Ac/No: 51090901039993

Name : R AND D CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE

Bank : CITY UNION BANK

Branch: NAGORE

List of Deliverables :

1. Completed and tested hardware prototype as per customer specifications.
2. Fabrication drawings.
3. Complete Design Schematic.
4. PCB fabrication files and Gerber files.
5. Firmware source files and Hex files.

Product Ownership :

The IP rights of the designed product belong to the customer. The E.G.S.Pillay Consultancy Services shall not claim any ownership of the developed product.

Valid For Three Months Only

2 0 0 7 2 0 1 8
D D M M Y Y Y Y

IndusInd Bank

IndusInd Bank Limited, Computer Branch
Meharban Road, Computer, St. Road, Gurgaon, G.N. Uda Road, Mehrauli Road, Confluence Tower (NCA) 64120
Ground Floor & Basement, Mayapuri Corporate, St. Road, Gurgaon, Haryana
IFSC: INDI0001017

Pay order to R AND D CONSULTANCY F-G-S PILLAY ENGINEERING COLLEGE 51 SIKS ST

Rupess only Fifty thousand only ₹ 50,000

Current Account - Indus Silver
Payable At Par At All Branches

A/c No. 201001650471
उपरोक्त अंक

[Signature]
PHASE ACOUSTICS
Please sign above

IFSC# 953726# 6412340101: 900202# 29

UNIT FORMS P/N 170 / C19 - 2010

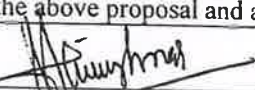
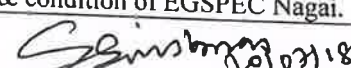
**E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM**

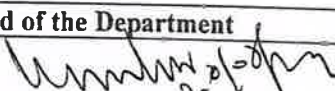

Consultancy Project Agreement	
Project Title:	Automatic SMS based Irrigation Field motor control system
Name and Address of the Company:	Er. S.Shivakumar, M/S Device Control System, 4, Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills Post, Coimbatore.
Name of the Representative:	Er.S.Shivakumar
Phone: 9487434999	E-mail: shiv.dcs@gmail.com

Principal Consultant*

S.No	Name of the Consultant	Designation	Department
1*	Mr.M.Vijayakumar	Associate Professor	EEE
2	Mr.K.Krishnaram	Assistant Professor	EEE
3	Mr.B.A.Naveen Antony	Assistant Professor	EEE

Project Cost: Rs.1,15,000	Service Tax: Nil
Total Project Cost: Rs.1,15,000	
Duration of Proposed Work: Four months	
Date of Commencement: 23/07/2018	Date of Completion: 20/11/2018
Scope of Proposed Work: Automatic SMS based Irrigation Field motor control system saves time, money & power of the farmer.	


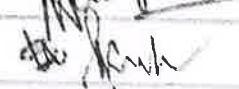

We agree to the above proposal and also to the EGSPC terms & condition of EGSPEC Nagai.	
Signature: 	Signature: 
(Principal Consultant, EGSPEC, Nagai)	(Authorized signatory of the client)
Name: Mr.M.Vijayakumar Associate Professor / EEE	Name: Er. S.Sivakumar, M/S Device Control System
Date: 20/07/2018	Date: 20/07/2018

Head of the Department	EGSPC Office Use	Registered
Signature: 	Project Number: EGSPCS/QUOT/EEE/2018/101	
Date: 20/07/2018	Date: 20/07/2018	Signature: 

Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
Engineering College - Nagapattinam

**E.G.S. PILLAY CONSULTANCY SERVICES
E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM
FORM FOR APPROVAL OF CONSULTANCY PROJECT**

1. Name of the Department/Office/Branch: **EEE**
2. Title of the Consultancy Project: **Automatic SMS based Irrigation Field motor control system**
3. Consultancy Project Category: **I/II/III**
4. Duration of the Consultancy Project (Year/Month/Days): **Four months**
5. (i) Date of Commencement **23/07/2018**(ii) Expected Date of Completion **22/11/2018**
6. Detailed Project Report (DPR) attached: **YES / NO**
7. Client's Name and Address : **Er. S.Shivakumar, M/S Device Control System, J. Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills Post, Coimbatore.**
8. Type of Client (Tick): **Private Sector/ Govt. Sector/ Public Sector /Foreign Agency / Others (Please Specify)**
9. Payment to be received in :**Full / Part ;Rs50,000/- Indian Currency /Foreign Currency**
10. Whether MoU/ Agreement Signed with Client (Attach, if any): **Signed / Not Signed**
11. Consent Letter from the Client attached: **YES / NO**
12. Consent Letter from the Consultant(s) attached: **YES / NO**
13. Details of Persons involved in the Consultancy Project:

Name of Consultant(s) along with Designation & Department/Office/Branch	Brief role	Signature
Mr.M.Vijayakumar Associate Professor / EEE	PI	
Mr.K.Krishnam Assistant Professor / EEE	CO - PI	
Mr.B.A.Naveen Antony Assistant Professor / EEE	CO - PI	

Signature of the Principal Consultant (with date) 

**Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD**

Forwarded by Head of Department/ branch/office

Professor of Electrical & Electronics Engg.
E.G.S.Pillay Engineering College - Nagapattinam

Director (EGSPCS) Office, EGSPEC

Consultancy Project No.:EGSPCS/APP/EEE/2018/101

Dated: 20/07/2018

Recommendations of EGSPCS Committee: **Approved / Not Approved / Suggestions for improvement**

Convener 

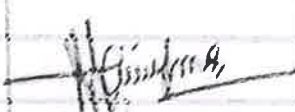
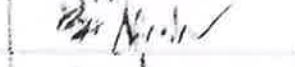

Member(s) 

**Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
of Electrical & Electronics Engg.
Engineering College - Nagapattinam**

**E.G.S. PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM**

FORM FOR APPROVAL OF CONSULTANCY PROJECT

1. Name of the Department/Office/Branch: *EEE*
2. Title of the Consultancy Project: *Automatic SMS based Irrigation Field motor control system*
3. Consultancy Project Category: *II/III*
4. Duration of the Consultancy Project (Year/Month/Days): *Four months*
5. (i) Date of Commencement: *23/07/2012* (ii) Expected Date of Completion: *22/11/2012*
6. Detailed Project Report (DPR) attached: *YES/NO*
7. Client's Name and Address: *Dr. S. Shivakumar, MIS Design Control Systems, Pothumudi Nagar, KEC Pudur Main Road, SM Palayam, GM Mills Post, Coimbatore.*
8. Type of Client (Tick): *Private Sector/ Govt. Sector/ Public Sector/ Foreign Agency / Others (Please Specify)*
9. Payment to be received in: *Full / Part (Rs/)/ Indian Currency / Foreign Currency*
10. Whether MoU/ Agreement Signed with Client (Attach, if any): *Signed / Not Signed*
11. Consent Letter from the Client attached: *YES/NO*
12. Consent Letter from the Consultant(s) attached: *YES/NO*
13. Details of Persons involved in the Consultancy Project:

Name of Consultant(s) along with Designation & Department/Office/Branch	Brief role	Signature
<i>Mr. M. Vijayakumar Associate Professor / EEE</i>	<i>PI</i>	
<i>Mr. K. Krishnamurthy Assistant Professor / EEE</i>	<i>CO-PI</i>	
<i>Mr. B. A. Naveen Antony Assistant Professor / EEE</i>	<i>CO-PI</i>	

Signature of the Principal Consultant (with date)
*Dr. V. MOHAN M.E. Ph.D.
PROFESSOR & HEAD*

Forwarded by Head of Department/ branch/office

Director (EGSPCS) Office, EGSPCC

Consultancy Project No.: *EGSPCS/APP/EE/2012/101*

Dated: *20/07/2012*

Recommendations of EGSPCS Committee: *Approved / Not Approved / Suggestions for improvement*

Convener

Member(s)

*Dr. V. MOHAN M.E. Ph.D.
PROFESSOR & HEAD
Electrical & Electronics Engg.*

IndusInd Bank

IndusInd Bank Limited
Mumbai Branch Road, Computer Centre,
Ground Floor & Basement, Narva Complex,
IFSC: IN200001017

IndusInd Bank Limited, Mumbai Branch Road, Computer Centre, Narva Complex, Mumbai, India, IN200001017

Valid For Three Months Only

20112018
D D M M Y Y Y Y

Pay order for R AND D CONSULTANCY EGS PULAY ENGINEERING COLLEGE Or Bearer
या एकर को

Rupees ₹ Sixty five thousand only

₹ 65,000/-

Account Number: 201001660471
एक अंक 201001660471

Current Account - Indian Rupee
Payable At Par in All Branches

[Signature]

PHASE ACOUSTICS
Please sign above

963727# 64234010# 900202# 29

INDUSIND BANK LTD. (173-25)

E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.

(Performa for making request for issuance billing for Consultancy and Testing Projects)

Project Title/Description : Automatic SMS based Irrigation Field motor control system
230V, 7A Relay Board, Moisture Sensor, SIM 900 Modem, LCD Display, Arduino Controller,
Power Circuit and Cabinet

Name of the Client: Er.S.Shivakumar

Approval No: EGSPCS/APP/EEE/2018/101 Dated: 20/07/2018

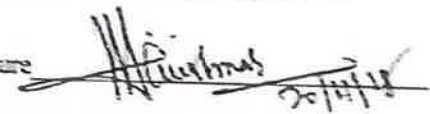
Billing Amount in Rs. 1,15,000

Payment through Cash / Cheque/DD No. 963726 / 963727

20.07.2018
20.11.2018
Dated

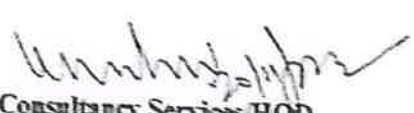
Dated: 20/11/2018

Signature



Name of P.I. : M.V. Jayakumar, Asso. Prof / EEE

Department : EEE


Director Consultancy Services/HOD

Ref. Copy of Job Approval Form

Dr. V. MOHAN M.E., Ph.D.
PROFESSOR & HEAD
Department of Electrical & Electronics Engg
E.G.S. Pillay Engineering College, Nagapattinam



Tel : 191 4362 226160
Mob: 191 9344 194 786
#4B/2, Manna Sairaji Nagar,
Thanjavur - 613005.

20.09.2018

Dear Consultant,

Hello and good day. As the managing director of Evolvix Technology Solutions in Thanjavur, I thus present myself. It is necessary at our company to design and construct an Android app with Bluetooth-enabled electrical appliance controller. I've already met with a representative from your college, and I've gone over my criteria. We can talk about the next steps if you set up a direct meeting.

Regards and thanks

Pravin
20/9/2018



Website : www.evolvix.com

Email : evolvixinfo@gmail.com

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 26/09/2018

Subject: One to One Discussion –Regarding


Dear Mr. M.Vijay,

I'm Mr. M.Vijayakumar working as Associate Professor and Consultant at E.G.S.Pillay Engineering College Nagapattinam. With your inquired, Here, we specialize in Advanced Embedded System, PCB Design and Fabrication and we've helped your consumer product development up to end. Since you're a Managing Director at Evolvics Technology Solutions, Thanjavur, I believe we could collaborate to achieve good consumer product by using our Consultancy.

I'd like to invite you to our office at E.G.S.Pillay Consultancy Services, E.G.S.Pillay Engineering College, Nagapattinam for a meeting to discuss this further. Would either 01/10/2018 or 03/10/2018, 10AM to 4PM work for you?

Please let me know if you'd like to meet at a different time.

Kind regards,


Associate Professor / Consultant

EGSPCS

Contact Number: +91 9488012038

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 03/10/2018

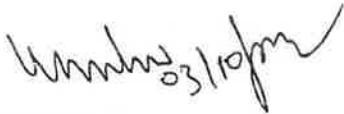
To

Mr.M.Vijay,
M/S Evolvix Technology Solutions,
6/76A, Mannar Sarboji Nagar,
New bus stand
Thanjavur.

Dear Mr.M.Vijay,

Thank you for taking the time to meet with my colleagues from the Department of EEE, EGSPCS and me today regarding your Consumer product development goals. It's been a pleasure talking to you and learning about your Company. With reference to our discussion on **Electrical Appliances Controller using Android App with Bluetooth** and further deliberations from there on, please find the quotation for the complete product design including the delivery of PCB and manufacturing files. Looking forward to your formal Purchase order.

Thanks & Regards



Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronic Engg.
E.G.S. Pillay Engineering College
Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

QUOTATION

REF: EGSPCS/QUOT/EEE/2018/102

Date: 05/10/2018

To

Mr.M.Vijay,
M/S Evolvix Technology Solutions,
6/76A, Mannar Sarboji Nagar,
New bus stand
Thanjavur.


Sub: Quotation for Electrical Appliances Controller using Android App with Bluetooth - Reg

Dear Madam,

Warm Greetings from E.G.S.Pillay Consultancy Services.

With reference to our discussion for Design and Development of Electrical Appliances Controller using Android App with Bluetooth and further deliberations from there on, we are pleased to submit the Quotation for the same. Please feel free to contact us so that we can initiate the proceedings. Looking forward to hear from you.

For E.G.S.Pillay Consultancy Services



Director/HOD

Dr. V MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.

Commercials for Electrical Appliances Controller using Android App with Bluetooth

Sl. No.	Particulars	Quantity	Rate	Amount in Rs
1.	Microcontroller Board and APP Design and Development Charge	1	55,000	55,000
2.	Cabinet Design and Development Charge	1	23,000	23,000
			Sub Total	78,000
			Total Payable	78,000

In Words: Seventy Eight Thousand only

Account Details:

Ac/No: 51090901039993
Name : R AND D CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE
Bank : CITY UNION BANK
Branch: NAGORE

List of Deliverables :

1. Completed and tested hardware prototype as per customer specifications.
2. Fabrication drawings.
3. Complete Design Schematic.
4. PCB fabrication files and Gerber files.
5. Firmware source files and Hex files.

Product Ownership :

The IP rights of the designed product belong to the customer. The E.G.S.Pillay Consultancy Services shall not claim any ownership of the developed product.

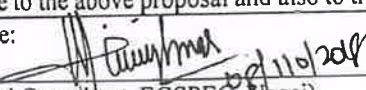

E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS) NAGAPATTINAM

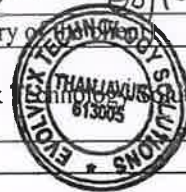
Consultancy Project Agreement	
Project Title:	Electrical Appliances Controller using Android App with Bluetooth
Name and Address of the Company:	Mr.M.Vijay, M/S Evolvix Technology Solutions, 6/76A, Mannar Saroboji Nagar, New bus stand Thanjavur.
Name of the Representative:	Mr.M.Vijay
Phone: 9025014229	E-mail: vijay.evolvix@gmail.com

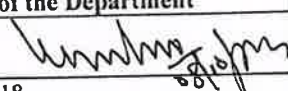

Principal Consultant*

S.No	Name of the Consultant	Designation	Department
1*	Mr.M.Vijayakumar	Associate Professor	EEE
2	Dr.V.Mohan	Professor	EEE
3	Mr.P.J.Suresh Babu	Assistant Professor	EEE

Project Cost: Rs.78,000	Service Tax: Nil
Total Project Cost: Rs.78,000	
Duration of Proposed Work: Two months	
Date of Commencement: 11/10/2018	Date of Completion: 10/12/2018
Scope of Proposed Work: Bluetooth is wireless technology to use in home automation and with help of android application, we could connect and control household appliances and provide security to handicapped, old people.	

We agree to the above proposal and also to the EGSPC terms & condition of EGSPC Nagai.	
Signature: 	Signature: 
(Principal Consultant, EGSPC, Nagai)	(Authorized signatory of Evolvix Technology Solutions)
Name: Mr. M. Vijayakumar Associate Professor / EEE	Name: Mr.M.Vijay, M/S Evolvix
Date: 08/10/2018	Date: 08/10/2018



Head of the Department	EGSPC Office Use	Registered
Signature: 	Project Number: EGSPCS/QUOT/EEE/2018/102	
Date: 08/10/2018	Date: 08/10/2018	Signature: 

Dr. V. MOHAN
PROFESSOR & HEAD
Department of Electrical & Electronics
E.G.S.Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

(Performa for making request for issuance billing for Consultancy and Testing Projects)

Project Title/Description: **Electrical Appliances Controller using Android App with Bluetooth
Arduino Controller, 8 – channel Relay board, HC-06 Bluetooth, 12V power Circuit, Bluetooth Android
App and Cabinet Design**


Name of the Client: Mr.M.Vijay

Approval No: EGSPCS/APP/EEE/2018/102 Dated: 08/10/2018

Billing Amount in Rs. 78,000

Payment through Cash /Cheque/DD No. Rs 35,000/- Dated 08/10/2018
Rs 43,000/- Dated 16/11/2018

Dated: 16/11/2018

Signature 

Name of P.I. : M.Vijayakumar, Asso. Prof / EEE

Department : EEE


Director Consultancy Services/HOD

Ref: Copy of Job Approval Form

**Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam**



10.01.2019

Dear Mr.M. Vijayakumar,

As per our discussion I want to meet your experts, so please arrange the one to one meeting with your expert team to develop my requirement for an Electrical Appliances Control using IOT for commercial purpose early as possible.

Thanks with Warm Regards

For Device Control Systems

S.SIVAKUMAR
PARTNER
98430 78999

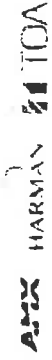


DEVICE CONTROL SYSTEMS

S.No. 504/1B, KNG Pudur Road, Rishiram Nag.
Tel. +91 422 4366961 | www.deviceindia.com

Alayam, GN Mills (Post), Combatore - 641029.

System energy star partner with



**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 15/01/2019

Subject: One to One Discussion –Regarding

Dear Er. S. Shivakumar,

I'm Mr. M. Vijayakumar working as Associate Professor and Consultant at E.G.S.Pillay Engineering College Nagapattinam. With your inquired, Here, we specialize in Advanced Embedded System, PCB Design and Fabrication and we've helped your consumer product development up to end. Since you're a Managing Director at Device Control Systems, Coimbatore, I believe we could collaborate to achieve good consumer product by using our Consultancy.

I'd like to invite you to our office at E.G.S.Pillay Consultancy Services, E.G.S.Pillay Engineering College, Nagapattinam for a meeting to discuss this further. Would either 17/01/2019 or 21/01/2019, 10AM to 4PM work for you?

Please let me know if you'd like to meet at a different time.

Kind regards,



15/01/2019

Associate Professor / Consultant

EGSPCS

Contact Number: +91 9488012038

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

Date: 18/01/2019

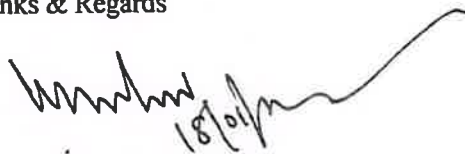
To

Er. S.Sivakumar,
M/S Device Control System,
4, Rishiram Nagar,
KNG Pudur Main Road,
SM Palayam,
GN Mills Post,
Coimbatore.

Dear Er.S.Sivakumar,

Thank you for taking the time to meet with my colleagues from the Department of EEE, EGSPCS and me today regarding your Consumer product development goals. It's been a pleasure talking to you and learning about your Company. With reference to our discussion on **Electrical Appliances Control using IoT** and further deliberations from there on, please find the quotation for the complete product design including the delivery of PCB and manufacturing files. Looking forward to your formal Purchase order.

Thanks & Regards



18/01/19

Dr. V MOHAN M.E., Ph.D.
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.**

QUOTATION

REF: EGSPCS/QUOT/EEE/2019/103

Date: 21/01/2019

To

Er. S.Sivakumar,
M/S Device Control System,
4, Rishiram Nagar,
KNG Pudur Main Road,
SM Palayam,
GN Mills Post,
Coimbatore.

Sub: Quotation for Electrical Appliances Control using IoT - Reg

Dear Sir,

Warm Greetings from E.G.S.Pillay Consultancy Services.

With reference to our discussion for Electrical Appliances Control using IoT and further deliberations from there on, we are pleased to submit the Quotation for the same. Please feel free to contact us so that we can initiate the proceedings. Looking forward to hear from you.

For E.G.S.Pillay Consultancy Services


Director/HOD

V. MOHAN M.A., Ph.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.

Commercials for Electrical Appliances Control using IoT

Sl. No.	Particulars	Quantity	Rate	Amount in Rs
1.	Mother Board : Design Development and Software Development Charges	1	32,000	32,000
2.	Cabinet Layout Design and Fabrication Charges	1	25,000	25,000
3.	Complete Product	5	5,000 each	25,000
			Sub Total	82,000
			Total Payable	82,000

In Words: Eighty Two Thousand only

Account Details:

Ac/No: 51090901039993

Name : R AND D CONSULTANCY SERVICES

E.G.S. PILLAY ENGINEERING COLLEGE

Bank : CITY UNION BANK

Branch: NAGORE

List of Deliverables :

1. Completed and tested hardware prototype as per customer specifications.
2. Fabrication drawings.
3. Complete Design Schematic.
4. PCB fabrication files and Gerber files.
5. Firmware source files and Hex files.

Product Ownership :

The IP rights of the designed product belong to the customer. The E.G.S.Pillay Consultancy Services shall not claim any ownership of the developed product.

IndusInd Bank

IndusInd Bank Limited
Metpallyyam Road, Coimbatore Branch
Ground Floor & Basement, Mayura Complex, Sri Balaji Gardens, O.N Mills Post, Metpallyyam Road Coimbatore Tamil Nadu INDIA 641020
IFSC: INDI0001017

Valid For Three Months Only
23012019
D D M M Y Y Y Y

Pay order for R AND D CONVIUTIANCY F.G.S PULAY ENGINEERING COLLEGE Or Bearer
Rupees thirty thousand only या धारक को

A/c No. 201001660471
खाता नं.

Current Account - Indus Silver
Payable At Par At All Branches

₹ 40,000/-



PHASE ACOUSTICS
Please sign above

963742# 641234010# 900202# 29

INDUSIND BANK LTD / CTS - 2010

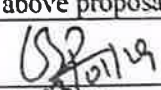
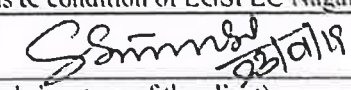
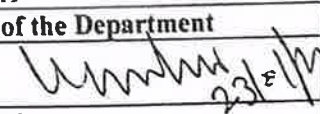

E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS) NAGAPATTINAM

Consultancy Project Agreement	
Project Title:	Electrical Appliances Control using IoT
Name and Address of the Company:	Er. S.Sivakumar, M/S Device Control System, 4, Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills Post, Coimbatore.
Name of the Representative:	Er.S.Sivakumar
Phone: 9487434999	E-mail: shiv.dcs@gmail.com

Principal Consultant*

S.No	Name of the Consultant	Designation	Department
1*	Dr.T.Suresh Padmanabhan	Professor	EEE
2	Mr.M.Vijayakumar	Associate Professor	EEE
3	Mr.K.Nandakumar	Assistant Professor	EEE

Project Cost: Rs.82,000	Service Tax: Nil
Total Project Cost: Rs.82,000	
Duration of Proposed Work: Three months	
Date of Commencement: 25/01/2019	Date of Completion: 24/04/2019
Scope of Proposed Work: Electrical Appliances based on the Internet of Things or IoT will use cloud-based computing or internet protocols (IPs) to control all devices in a smart home.	

We agree to the above proposal and also to the EGSPC terms & condition of EGSPEC Nagai.	
Signature: 	Signature: 
(Principal Consultant, EGSPEC, Nagai)	(Authorized signatory of the client)
Name: Dr.T.Suresh Padmanabhan Professor / EEE	Name: Er. S.Sivakumar, M/S Device Control System
Date: 23/01/2019	Date: 23/01/2019
Head of the Department	EGSPC Office Use Registered
Signature: 	Project Number: EGSPCS/QUOT/EEE/2019/103
Date: 23/01/2019	Date: 23/01/2019 Signature: 

Dr. V. MUHAN M.E., PH.D.,
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S. PILLAY CONSULTANCY SERVICES
E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM
FORM FOR APPROVAL OF CONSULTANCY PROJECT**

1. Name of the Department/Office/Branch: **EEE**
2. Title of the Consultancy Project: **Electrical Appliances Control using IoT**
3. Consultancy Project Category: **I/II/III**
4. Duration of the Consultancy Project (Year/Month/Days): **Three months**
5. (i) Date of Commencement **25/01/2019** (ii) Expected Date of Completion **24/04/2019**
6. Detailed Project Report (DPR) attached: **YES / NO**
7. Client's Name and Address : **Er. S.Sivakumar, M/S Device Control System,4, Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills Post, Coimbatore.**
8. Type of Client (Tick): **Private Sector/ Govt. Sector/ Public Sector /Foreign Agency / Others (Please Specify)**
9. Payment to be received in : **Full / Part ;Rs.40,000/-Indian Currency /Foreign Currency**
10. Whether MoU/ Agreement Signed with Client (Attach, if any): **Signed / Not Signed**
11. Consent Letter from the Client attached: **YES / NO**
12. Consent Letter from the Consultant(s) attached: **YES / NO**
13. Details of Persons involved in the Consultancy Project:

Name of Consultant(s) along with Designation & Department/Office/Branch	Brief role	Signature
Dr.T.Suresh Padmanabhan Professor / EEE	PI	<i>[Signature]</i> 23/01/19
Mr.M.Vijayakumar Associate Professor / EEE	CO - PI	<i>[Signature]</i>
Mr.K.Nandakumar Assistant Professor / EEE	CO - PI	<i>[Signature]</i>

[Signature]
Signature of the Principal Consultant (with date)
Dr. V. MOHAN M.E. Ph.D.
PROFESSOR & HEAD

Forwarded by Head of Department/ branch/office

Department of Electrical & Electronics Engg
E.G.S. Pillay Engineering College - Nagapattinam

Director (EGSPCS) Office, EGSPEC

Consultancy Project No.: **EGSPCS/APP/EEE/2019/103**

Dated: **23/01/2019**

Recommendations of EGSPCS Committee: **Approved / Not Approved / Suggestions for improvement**

Convener

Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD

Department of Electrical & Electronics Engg
E.G.S. Pillay Engineering College - Nagapattinam

Member(s)

[Signature]
[Signature]

IndusInd Bank

IndusInd Bank Limited
Meharajayam Road, Coimbatore Branch
Ground Floor & Basement, Meyyura Corner Sri Balaji Gardens, G.N. Mills Post, Meharpalayam Road Coimbatore Tamil Nadu INDIA 641000
IFSC: INDS0001017

Valid For Three Months Only

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D	D	M	Y	Y	Y	Y	Y

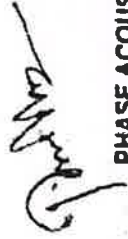
Pay order करें R AND D CONSULTANCY E.G.S PULAY ENGINEERING COLLEGE Or Bearer
या धारक को

Rupees रुपये Forty two thousand only

₹	42,000/-
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A/c No. खाता क्र	201001660471
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Current Account - Indus Silver
Permissible At Par At All Branches



PHASE ACOUSTICS
Please sign above

⑈983748⑈ 64123410⑈ 900202⑈ 29

E.G.S.PILLAY CONSULTANCY SERVICES
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM.

(Performa for making request for issuance billing for Consultancy and Testing Projects)

Project Title/Description: Electrical Appliances Control using IoT

Arduino Nano Controller, 8-Channel Relay Board, WIFI module, ESP8266, Power Circuit and Cabinet Design

Name of the Client: Er.S.Sivakumar

Approval No: EGSPCS/APP/EEE/2019/103

Dated: 23/01/2019

Billing Amount in Rs. 82,000

Payment through Cash /Cheque/DD No. 963742 - 23/01/2019
963768 - 29/03/2019

Dated: 29/03/2019

Signature [Signature]

Name of P.I. : Dr.T.Suresh Padmanabhan, Prof / EEE

Department : EEE

[Signature]
Director Consultancy Services HOD

Dr. V. MOHAN M.E., Ph.D.
PROFESSOR & HEAD
Department of Electrical & Electronics Engg.
E.G.S. Pillay Engineering College - Nagapattinam

Ref: Copy of Job Approval Form

CONSULTANCY WORK
ONLINE TRAVEL BOOKING SYSTEM

CUSTOMER DETAIL

RAJIYA TRAVELS
THIRUPOONDI, NAGAPATTINAM – 611 110

Coordinator(s)

Dr.P.Vijayalakshmi
Ms.K.Nagalakshmi
Mr.R.Anand Babu

DEPARTMENT OF INFORMATION TECHNOLOGY
E.G.S PILLAY ENGINEERING COLLEGE
NAGAPATTINAM – 611 002,
TAMIL NADU

<http://www.egspec.org>

Ph: 04365 – 251112

E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

DEPARTMENT OF INFORMATION TECHNOLOGY

Consultancy Work

"ONLINE TRAVEL BOOKING SYSTEM"

CONTENTS

S. No	DETAILS
1.	Requisition Letter with Institution and Department Profile
2.	Requisition Letter from Customer
3.	Covering letter along with Proposal
4.	Acceptance Letter from Customer
5.	Minutes of Meeting – 1
6.	Response Letter and Invoice from Department
7.	Feedback Letter from Customer
8.	Utilization Certificate

**E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF INFORMATION TECHNOLOGY**

06/07/2018

Ref. No: EGSPEC/CW/IT/2018/01

To

The Managing Director
Rajiya Travels,
Nagapattinam – 611001

Sir

Sub: Consultancy Work – Reg

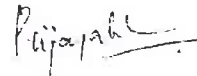
Greetings from EGS Pillay Engineering College, Nagapattinam

We are happy to inform you that we are doing consultancy work for Diesel Billing and Incentive calculator. This project focuses on management of medical lab data along with billing system. Herewith we send institution and department profile for your reference.

Hence we request you give a positive response from your side.

Thanking You

Yours Sincerely



Contact Details

Dr.P.Vijayalakshmi
Ms.K.Nagalakshmi
Mr.R.Anand Babu
Department of IT
EGS Pillay Engineering College, Nagapattinam
Email Id: noornilo@gmail.com
Contact No: 8643856461

1. INSTITUTION PROFILE

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2nd January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19th year of excellent service in the year of 2014. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,.

The college offers 6 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

UG Courses:

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology

PG Courses:

- Master of Business Administration
- Master of Computer Applications
- M.E – Manufacturing Engineering
- M.E – Computer Science and Engineering
- M.E – Communication Systems
- M.E – Power Electronics and Drives

Vision:

- Envisioned to transform our institution into a Global Center of Academic Excellence

Mission:

- To provide world class education to the students and to bring out their inherent talents
- To establish state-of-the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes
- To recruit competent faculty and staff and to provide opportunity to upgrade their knowledge and skills
- To have regular interaction with the the industries in the areas of R&D and offer consultancy training and testing services
- To establish center of excellence in the emerging areas of research
- To offer continuing education, and non-formal vocational education programmes that are beneficial to the society.

2. DEPARTMENT PROFILE

The department has well qualified and experienced staff and it continually updates its laboratories with modern facilities. The department conducts various seminars and workshop periodically. Various associations are formed related to the department. The students are given different mini-projects in the pre-final year so that their individual ideas can be implemented. The staff and students are encouraged to present papers at various colleges and many have won prizes in competitions.

Vision:

- To produce globally competent information technologist and to inculcate values of leadership and research qualities in them

Mission:

- To provide high quality Education to the students by our competent faculty members, effective teaching learning process and value added courses
- To create centres of excellence by interacting with industries for better employability and to contribute to the society through consultancy and R&D works.
- To improve the soft skill, interpersonal skill, ethical behavior and communication skill of students by involving them in team works and technical events.

PROGRAMME EDUCATIONAL OBJECTIVES

- PEO1: Graduates will have knowledge and competency for successful careers in and related to Information Technology
- PEO2: Graduates will contribute to the design and implementation of software systems to solve real life problems in the society with an understanding of profession ethical standards
- PEO3: Graduates are motivated to proceed to higher studies in Engineering or other Professional fields and promote awareness of the life-long learning
- PEO4: Graduates will work and communicate effectively as individuals and as team members in multidisciplinary projects, research and development activities

PROGRAM SPECIFIC OUTCOMES

The graduates will have

- PSO 1: Apply core aspects of Information Technology and programming paradigms in order to facilitate processing
- PSO 2: Provide solution to real world problems using Structured , Object Oriented Programming Languages and Open Source Software
- PSO 3: Solve Complex IT Problems as a Software Engineer, Software Analyst and Tester in IT and ITeS

PROGRAMME OUTCOMES

Graduates will be able to

PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend

and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Features of the Department

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields
- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programmer like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department library has an extensive collection of academic books in the areas of latest technologies
- The department has stable, highly qualified and experienced staff members

Laboratory facilities

Each laboratory is fully equipped to meet the requirement of Anna University Syllabi. The students can train themselves in the Laboratories with the guidance of the faculty during and after the college hours. The laboratory facilities are constantly upgraded to take care of the technological Changes in the respective disciplines.

Department Servers and Software Details

- Microsoft Windows Server 2003
- Linux Fedora v19
- Oracle 11i Data base Server Workstations
- 471 Core i3 and Pentium based systems with multimedia facilities
- Capable of getting connected to all server and every other systems over TCP/IP backbone
- All systems having access with Internet/Intranet
- Software
- Microsoft Windows Server 2003
- CentOS 5.3 (For C & C++ programming and Script languages)
- Free BSD
- Oracle 11i
- IBM DB2
- PowerBuilder
- Sybase
- Micosoft Office 2007
- Microsoft Visual Studio 6.0
- Microsoft Visaul Studio 2010
- Mathematica
- IDL (Image Processing Tools)
- MathCAD
- IBM Rational Suite and IBM Rational Architect
- Macromedia Flash and Dreamweaver
- Front Page Express
- Novell Netware
- Adobe Photoshop
- Network Simulator – 2 (Free Ware for Both Windows and Linux)
- .netbeans Developer
- Sun JDK, J2EE and J2ME
- Internet Facilities
- 16 Mbps leased line from Reliance

Priority Research Areas

1. Cloud Computing
2. Data Analysis
3. Data Mining and Warehousing
4. Network Security
5. Image Processing
6. Mobile Application Development

7. Ubiquitous Computing
8. Sensor Computing
9. Natural Language Processing
10. Green Computing



Rajiya Travels

THIRUPOONDI, NAGAPATTINAM - 611 110

**Rafeeq
Director**

Ph: 98942 22141
rajiya123@gmail.com

11/07/2018

To

HoD / IT
Department of Information Technology
EGS Pillay Engineering College
Nagapattinam

Sir

Sub: Consultancy Work - Reg

Thank you for your interest. This project idea is very interesting and we can manage our medical data easily.

We accept your request. Kindly send your project proposal.

Thanking you

Kind regards

Rajiya Travels

1. PROJECT PROPOSAL

01	Title of the Project	:	ONLINE TRAVEL BOOKING SYSTEM
02	Type of the Project	:	Consultancy Work
03	Name & Designation of the Project Coordinators	:	Dr.P.Vijayalakshmi Ms.K.Nagalakshmi Mr.R.Anand Babu
04	Postal Address of the Principal Investigator	:	Old Nagore Road, Thethi Village, Nagore – Post, Nagapattinam – 611 002
05	Contact Phone numbers of the Project Coordinators	:	Contact No. 9486116002 Email: nagalakshmi@egspec.org
06	Name of the Institution / Organization in which the project will be carried out	:	E.G.S Pillay Engineering College, Nagapattinam
07	Customer Details	:	Mr. Rafeeq Director/Rajiya Travels Main Road, Thirupoondi Nagapattinam – 611110
08	Customer Contact Details	:	Mr. RAFEEQ 98942 22141` rajiya123@gmail.com
09	Duration of the Project	:	Aug 2018 – Aug 2019
10	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	:	Enclosed separately – Annexure 1
11	An abstract, not exceeding one page describing the background, objectives methodology & year wise budget	:	Enclosed separately – Annexure 2
12	Project Work Plan	:	Enclosed separately – Annexure 3
13	Facilities available at the Institution / organization to carry	:	Open Source Lab, Cloud Campus, Android Apps development Centre...

	out the project		
14	Expected Outcome	:	Enclosed separately – Annexure 4

Pijayab

Signature of Project Coordinator(s)

S. Manikandan

S. MANIKANDAN
Head of Department
Department of Information Technology,
E.G.S. Pillay Engineering College,
Nagapattinam - 611002
Signature of the

Head of the Department
with Seal



Dr. S. Ramabalan

Signature of the
Head of the Institution
with Seal

Dr. S. RAMABALAN, M.E., Ph.D.,
Principal
E.G.S. Pillay Engineering College
Nagapattinam - 611 002

Annexure - 1**DETAILS OF BUDGET**

S.No	Description	Amount (in Rs.)
A	Salary for Project Coordinators (12 months*Rs.1000/pm)	36000
	Salary for Technical Assistant (12 months * Rs.1000/pm)	12000
Total		48,000
B	Preprocessing and Component Preparation	35,000
Total		35,000
C	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	25,000
Total		25,000
D	Travel	5,000
E	Total of A+B+C+D	1,13,000
F	Institutional overhead charges	7,000
G	Total Cost of Project	1,20,000

Annexure - 2

ABSTRACT

The most important part of the online travel booking system project is its database. The database is full of Cars, Vans and its availability. Online travel booking system is a web based project where a user may search and apply for a travel service or package. The system allows the user to check various travel destinations and choose his destination accordingly. The software system checks for user choice and then queries the database for various available mediums to travel to that destination. The system then loads all that data and puts those choices in front of the user. The user can now choose various ways to reach his destination. When the user chooses Car or Van, the system also allows the user to book tickets to the destination for the desire day and timings. Thus this software system automates the working of a travel agency and allows users to check and book his holidays online through this website. One more important functionality available in this project is the receipt of holiday booking is sent to the users mobile phone on successful booking of his holiday.

Annexure - 3

Work Plan

Phase	Cycle	Primary Objective	Scheduled start or milestone	Duration Estimate (calendar days)
Inception / Requirements Analysis	C1	<ul style="list-style-type: none">✓ Analyzing Requirements✓ Collecting Project Requirements	May – June 2018	38 days
Elaboration	C2	<ul style="list-style-type: none">✓ Identifying Technical Assistant✓ Installation and Setup	July – August 2018	32 days
Designing	C3	<ul style="list-style-type: none">✓ Designing Prototype Model✓ Project Review Status Preparation Submission✓ Project Modules Preparation	September – October 2018	35 days
Implementation	C4	<ul style="list-style-type: none">✓ Start to develop Coding each Modules✓ Preparing Workspace model and verify with abstract.✓ Identify the Risk and Measure the values of on it.	November – December 2018	45 days
Construction	C5	<ul style="list-style-type: none">✓ Complete the Project and meet with Abstract✓ Objectives and Outcome mapped with the Module✓ Project Final Phase meeting	January – February 2019	45 days
Transitions /End	C6	<ul style="list-style-type: none">✓ Preparing Documentation Part✓ Final Project Presentation	March – May 2019	40 days

Annexure - 4

Expected Outcomes

1. Provides the easiest reporting system for medical diagnostic laboratories.
2. A single module fits all system with synoptic reporting.
3. The reports can be fully customized as per the need of the laboratory.
4. The report is generated automatically from the patient information.
5. Have templates customized for each doctor.
6. The report is generated automatically and saves time from manual changes.
7. Historical chart shows the trend for a particular test over a period of time. This can be applied for any test.
8. Option to provide digital signatures on lab results.
9. Single click invoice generation
10. Compute Referral incentive with a single click. Referral is computed automatically from bill.
11. Detailed report on Test wise Turn Around Time.
12. View all outsourced tests with current status .
13. Data can be monitored at Patient wise, Test wise and Lab wise.
14. Shows the top 10 referrals who have provided the most income. Helps in identifying the pattern of referrals.
15. Shows which tests are booked frequently. Helps in planning for additional machines and additional personnel.
16. Shows trend of new patients over time. Helps in planning marketing activities.

MINUTES OF MEETING

**EGS Pillay Engineering College, Nagapattinam
Department of IT**

Minutes of Meeting

Consultancy Work	
Title	Online Travel Booking System
Meeting No.	01
Date	20/08/2018
No. of Attendees	05
Venue	Department of IT –Faculty Room

Members Present

S.No	Name of the Members	Designation/Dept
01	Rafeeq	Director/Rajiya Travels
02	Dr.P.Vijayalakshmi	Prof/IT
03	Ms.K.Nagalaksmhi	As.P/IT
04	Mr.V.M.Suresh	AP/IT
05	Mr.R.Anand Babu	AP/IT

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Dr.P.Vijayalakshmi delivered welcome address
02	Mr.R.Anand Babu discussed project details.
03	Discussed with project details like objective, duration, project status monitoring....
04	Explained various levels in the sense of hardware and software profile and outcomes.
05	Signed Consultancy Assignment Proposal and Agreement form

Minuted by: Prof.V.M. Suresh
Copy to: Department file and Company


S. MANIKANDAN
Head of Department
Department of Information Technology,
E.G.S. Pillay Engineering College,
Nagapattinam - 611002

**E.G.S Pillay Engineering College,
Nagapattinam
Department of Information
Technology**

**Rajiya Travels
Thirupoondi, Nagapattinam - Dt**

**Memorandum of Understanding
(Consultancy Work Order)**

This Memorandum of Understanding is entered on this 20th August, 2018 between Rajiya Travels hereinafter called the party of the first part represented by branch manager

AND

Department of Information Technology, E.G.S Pillay Engineering College, Old Nagore Road, Nagapattinam District – 611 002, hereinafter called the party of the second part represented by E.G.S Pillay Engineering College hereinafter called the party of the second part.

We are happy to sign Memorandum of Understanding for the purposes of doing Consultancy work for the title "**ONLINE TRAVEL BOOKING SYSTEM**" the period from August 2018 to July 2019. And we accept and satisfies the requirements and it is very good platform for us.

This MOU effect from on 20/08/2018.



On behalf of

Director



On behalf of

Head of the Department

MINUTES OF MEETING

**EGS Pillay Engineering College, Nagapattinam
Department of IT**

Minutes of Meeting

Consultancy Work – Progress Analysis	
Title	Online Travel Booking System
Meeting No.	04
Date	03/01/2019
No. of Attendees	03
Venue	Department of IT –Faculty Room

Members Present

S.No	Name of the Members	Designation/Dept
01	Rafeeq	Director/Rajiya Travels
02	Dr.P.Vijayalakshmi	Prof/IT
03	Ms.K.Nagalaksmhi	As.P/IT
04	Mr.V.M.Suresh	AP/IT
05	Mr.R.Anand Babu	AP/IT

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Discussed with major and minor problem displayed.
02	Recommendation and Action taken points are discussed.
03	Discussed with details of further work

Minuted by: Prof.V.M Suresh
Copy to: Department file and Company


HOD/IT
S. MANTKANDAN
Head of Department
Department of Information Technology,
E.G.S. Pillay Engineering College,
Nagapattinam - 611002



Rajiya Travels

THIRUPOONDI, NAGAPATTINAM - 611 110

Rafeeq
Director

Ph: 98942 22141
rajiya123@gmail.com

18/03/2019

To

The HoD
Department of IT
EGS Pillay Engineering College
Nagapattinam

Sir

Sub: Consultancy Work – Reg

We are happy to inform you that we got very good result from your consultancy work. The coordinators are appreciated for completing this wonderful work our concern. Herewith I enclosed a copy of cheque for payment details for your reference. I hope this work is nice experience for us and in future you may increase number iteration as more as possible.

Thanking you

Kind regards

Director
(Mr. RAFEEQ)
RAJIYA TRAVELS
THIRUPOONDI,
NAGAPATTINAM - 611110



Rajiya Travels

THIRUPOONDI, NAGAPATTINAM - 611 110

Rafeeq
Director

Ph: 98942 22141
rajiya123@gmail.com

03/08/2019

To

HoD/IT
Department of IT
EGS Pillay Engineering College
Nagapattinam

Sir

Sub: Consultancy Work – Reg

We are happy to inform you that consultancy work Online Travel Booking System successfully running and it improves the booking system. It was very good experience for us and got good product from your esteemed institution. Also the coordinators are worked very well.

Kind regards

Director
(Mr. RAFEEQ)

RAJIYA TRAVELS
THIRUPOONDI,
NAGAPATTINAM - 611110

**E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF INFORMATION TECHNOLOGY**

04/08/2019

Ref. No: EGSPEC/CW/IT/2019/01

INVOICE

S.No	Description	Amount (in Rs.)
A	Salary for Project Coordinators (12 months*Rs.1000/pm)	36000
	Salary for Technical Assistant (12 months * Rs.1000/pm)	12000
Total		48,000
B	Preprocessing and Component Preparation	35,000
Total		35,000
C	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	25,000
Total		25,000
D	Travel	5,000
E	Total of A+B+C+D	1,13,000
F	Institutional overhead charges	7,000
G	Total Cost of Project	1,20,000

Yours Sincerely

EGS Pillay Engineering College, Nagapattinam
Department of Information Technology

Utilization Certificate


Name of the Project	Online Travel Booking System
Name of the Coordinator(s)	Dr.P.Vijayalakshmi Ms.K.Nagalakshmi Mr.R.Anand Babu Mr.V.M.Suresh
Name of the Agency	Rajiya Travels
Type of Project	Consultancy work
Duration	August 2018 – August 2019
Project Cost	1,20,000

S.No	Description	Amount (in Rs.)
A	Salary for Project Coordinators (12 months*Rs.1000/pm)	36000
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D	Travel	5,000
E	Total of A+B+C+D	1,13,000
F	Institutional overhead charges	7,000
G	Total Cost of Project	1,20,000

This certificate is an acknowledgment of the expenditure incurred in executing the consultancy work mentioned above. The accounts are duly submitted to the R&D Cell and verified by the principal.


**Name and Signature of the
Coordinator**




**Name and Signature of
Head of Institution
With seal**
Dr. S. RAMABALAN, M.E., Ph.D.,
Principal
EGS Pillay Engineering College
Nagapattinam - 611 002

CONSULTANCY PROJECT

ON

"ONLINE BOOKING AND BUS TRACKING SYSTEM"

WORK DONE BY

Dr. J.VANITHA

PROFESSOR

Mrs.C.MALLIKA

ASSOCIATE PROFESSOR

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

E.G.S PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002,

TAMIL NADU

<http://www.egspec.org>

Ph: 04365 - 251112

CUSTOMER ADDRESS

TNSTC OFFICE KARAIKAL

Pin Code 609602

E.G.S PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM – 611 002,
ONLINE BOOKING AND BUS TRACKING SYSTEM
TABLE CONTENT

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1. INSTITUTION PROFILE

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2nd January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19th year of excellent service in the year of 2014. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,

The college offers 6 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

UG Courses:

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology

PG Courses:

- Master of Business Administration
- Master of Computer Applications
- M.E – Manufacturing Engineering
- M.E – Computer Science and Engineering
- M.E – Communication Systems
- M.E – Power Electronics and Drives

Vision of the Institute

Envisioned to transform our institution into a "Global Centre of Academic Excellence"

Mission of the Institute

- i. To provide world class education to the students and to bring out their inherent talents
- ii. To establish state-of- the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes
- iii. To recruit competent faculty and staff and to provide opportunity to upgrade their
- iv. knowledge and skills
- v. To have regular interaction with the Industries in the area of R&D and offer consultancy, training and testing services
- vi. To establish centers of excellence in the emerging areas of research
- vii. To offer continuing education and non-formal vocational education programmes that are beneficial to the society



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM – 611002
Accredited by NAAC with 'A' Grade
(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref.No: EGSPEC/MCA/CW/2018/BTS/01

Date: 02/07/2018

To

T. Rajkumar,
Assistant Manager ,
Karaikal, Puducherry- 609605.

Sir

Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

We are happy to inform you that we are doing consultancy work for **ONLINE BOOKING AND BUS TRACKING SYSTEM**. This project focuses on to **manage the details of Bus, Ticket, Booking, Agent, Seats**. It manages all the information about Bus, Customer, Seats, and Bus. The project is totally built at administrative end and thus only the administrator is guaranteed the access. Herewith we send institution and department profile for your reference.

Hence we request you give a positive response from your side.

Thanking You

With regards

[Dr.J.Vanitha]

Contact Details

Dr. J.Vanitha
Professor/HOD
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.

2. DEPARTMENT PROFILE

The department of computer applications focuses on making industry ready IT professionals by imparting quality computer education along with excellent interpersonal skills. It offers 3 years Full time MCA course to the students. Started in the year of 2001, the course was approved by Bharathidasan University, Trichirappalli. In 2003, Anna University, Chennai recognized and approved the course. The current intake of students is 60 per academic year.

DEPARTMENT VISION

To produce software professionals with Academic Excellence in Computer Applications

DEPARTMENT MISSION

- To make software professionals and entrepreneurs by imparting quality computer education.
- To promote inter-disciplinary research among the faculty and the students to create state of art research facilities.
- To prepare the students to be professionally competent to face the challenges in the industry.

To promote quality and ethics among the students.

Programme Educational Objectives (PEO)

The PEO of MCA programme are as follows.

PEO1: To employ solid foundation in mathematical and computing fundamentals and techniques to develop software solutions.

PEO2: To apply good computing breadth so as to comprehend, analyze, design and create computing solutions for the real-life problems and entrepreneurial skills with arich set of communication, teamwork and leadership skills to excel in their profession.

PEO3: To show continuous improvement in their professional career through life-long learning, understand the human values and ethics.

IV Program Outcomes (PO)

Graduates will be able to

PO1: Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

PO2: Identify, formulate, research literature, and solve *complex* computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

PO3: Design and evaluate solutions for *complex* computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to *complex* computing activities, with an understanding of the limitations.

PO6: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.

PO7: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

PO8: Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO9: Communicate effectively with the computing community, and with society at large, about *complex* computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PO10: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

PO11: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

PO12: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

V. Program Specific Outcomes (PSO)

Graduates will be able to

PSO 1: Apply software engineering principles in the design and development of web and mobile applications

PSO 2: Manage and analyze huge volume of data in real world problems

Features of the Department

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields

- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programmer like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department library has an extensive collection of academic books in the areas of latest technologies
- The department has stable, highly qualified and experienced staff members in the staff student ratio of 1:15

Laboratory facilities

Each laboratory is fully equipped to meet the requirement of Anna University Syllabi. The students can train themselves in the Laboratories with the guidance of the faculty during and after the college hours. The laboratory facilities are constantly upgraded to take care of the technological Changes in the respective disciplines.

Department Servers and Software Details

- Microsoft Windows Server 2003
- Linux Fedora v19
- Oracle 11i Data base Server Workstations
- 471 Core i3 and Pentium based systems with multimedia facilities
- Capable of getting connected to all server and every other systems over TCP/IP backbone
- All systems having access with Internet/Intranet
- Software
- Microsoft Windows Server 2003
- CentOS 5.3 (For C & C++ programming and Script languages)
- Free BSD
- Oracle 11i
- IBM DB2
- PowerBuilder

- Sybase
- Microsoft Office 2007
- Microsoft Visual Studio 6.0
- Microsoft Visual Studio 2010
- Mathematica
- IDL (Image Processing Tools)
- MathCAD
- IBM Rational Suite and IBM Rational Architect
- Macromedia Flash and Dreamweaver
- Front Page Express
- Novell Netware
- Adobe Photoshop
- Network Simulator – 2 (Free Ware for Both Windows and Linux)
- .netbeans Developer
- Sun JDK, J2EE and J2ME
- Internet Facilities
- 16 Mbps leased line from Reliance

Priority Research Areas

1. Cloud Computing
2. Data Analysis
3. Data Mining and Warehousing
4. Network Security
5. Image Processing
6. Mobile Application Development
7. Ubiquitous Computing
8. Sensor Computing
9. Natural Language Processing
10. Green Computing



Ref.No: BTS /CW/2018/Pro1/01

Date :10/07/2018

To

Dr. J.Vanitha
Professor/HOD
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.

Respected Madam,

As a conversational expression of gratitude, we received your requisition letter. We are in necessitate of "ONLINE BOOKING AND BUS TRACKING SYSTEM" software for our company to foreshorten the manual work , since there are more number of customers in our company, hope your project will satisfy our requirements.

We are contrived to accept your request. We are waiting for more details about your project as early as possible.

Thanking You,

Yours truly,

[T. Rajkumar]



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM - 611002
Accredited by NAAC with 'A' Grade
(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref.No: EGSPEC/MCA/CW/2018/ BTS /02

Date: 6/08/2018

To

T. Rajkumar ,
Assistant Manager,
Karaikal, Puducherry -609605.

Respected Sir,

Sub: Consultancy Work – Reg.

We have attached accomplished project proposal according to your kind reference, we hope that our project will be successful if have good communication between us. So, I kindly request you to fix one date for discussing the project details. In this meeting we will discourse the following project requirements, documentation, reporting, budget and any further details need by you. We are waiting for your positive reply.

Thanking you

With regards


[Dr.]Vanitha]

Contact Details

Dr. J.Vanitha
Professor/HOD
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.



Ref.No: BTS /CW/2018/Pro1/02

Date: 23/08/2018

To

Dr. J.Vanitha,
Professor/HOD,
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.

Respected madam,

Thanks for your concern. It will be favour for us if you can unionize the review meeting for the discussion of project proposal on 03/08/2018. We hereby put the demand of following details such as project coordinators details, evaluation model and completed status for each module. I hope two more review will be arranged to check the progress of your consultancy work. It will be tentatively on 12.09.2018 and 13.09.2018. We would like to furnish the following requirements of us.

1. Mobile GPS Location identifier
2. Use of Bluetooth printing to help the bus employee.
3. Use of QR code to uniquely identify each passenger.

Thanking You,

Yours truly,

[T. Rajkumar]



**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM - 611002**

Accredited by NAAC with 'A' Grade

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref.No: EGSPEC/MCA/CW/2018/ BTS /03

Date: 13/09/2018

To

T. Rajkumar
Assistant Manager
Karaikal, Puducherry 609605

Respected Sir,

Sub: Consultancy Work – Reg.

We have successfully completed the systemized entry details, automatically show the rest of goods, SMS facility as per your requirements please kindly ensure and intimate us immediately for any changes. The remaining modules will be completed as early as possible.

Thanking You,

With regards

[Dr. J.Vanitha]

Contact Details

Dr. J.Vanitha
Professor/HOD
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.



Ref.No: BTS /CW/2018/Pro1/03

Date: 21/09/2018

To

Dr. J.Vanitha
Professor/HOD
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.

Respected madam,

Thank you, we are satisfied with your project that you have so far completed. It will be reformative to us if you complete the forth coming module within the tentative date near the deadline.

Thanking you,

Yours truly,

A handwritten signature in blue ink, appearing to be 'T. Rajkumar', is written over a light blue circular stamp.

[T. Rajkumar]



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
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(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref.No: EGSPEC/MCA/CW/2018/ BTS /04

Date: 17/10/2018

To

The Manager ,
Karaikal, Puducherry -609605.

Respected Sir,

Sub: Consultancy Work - Reg.

It gives me heart full of happiness to inform that our students has successfully completed the project work "**ONLINE BOOKING AND BUS TRACKING SYSTEM.**", this project has been verified in our Department premises and worked properly.

We request you to make yourself convenient to see the demonstration of the "**ONLINE BOOKING AND BUS TRACKING SYSTEM**" and thereafter to release the payment **36000/-** for this project.

Thanking You

With regards

[Dr. J.Vanitha]

Contact Details

Dr. J.Vanitha
Professor/HOD
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.



Ref.No: BTS /CW/2018/Pro1/04

Date: 20/12/2018

To

Dr. J.Vanitha
Professor/HOD
Department of MCA,
E.G.S.Pillay Engineering College,
Nagapattinam.

Respected Madam,

We congratulate you and your team for successful completion of the **“ONLINE BOOKING AND BUS TRACKING SYSTEM”** software as per our requirements. We have completely satisfied with the performance of the software after the demonstration given by your team to us on 23.11.2018.

Hence, as discussed, we have enclosed a cheque No.000652, date 05 .01.2019 of Indian Bank for Rs. **36,000**- favouring “The Principal, EGSPEC, Nagapattinam”.

We once again felicitate the students who have taken the project work and the staff member.

Thanking you

Yours truly,

[T. Rajkumar]

PROJECT PROPOSAL

01	Title of the Project(Consultancy)	:	ONLINE BOOKING AND BUS TRACKING SYSTEM
02	Type of the Project	:	Consultancy Project
03	Name & Designation of the Project Coordinators	:	Dr.J.Vanitha Professor/HOD/MCA
04	Postal Address of the Principal Investigator	:	Old Nagore Road, Thethi Village, Nagore - Post, Nagapattinam - 611 002
05	Contact Phone numbers of the Project Coordinators	:	Dr.J.Vanitha Professor/HOD/MCA Project Coordinator Contact No. 9443728519 Email: vanitha@egspec.org
06	Name of the Institution / Organization in which the project will be carried out	:	E.G.S.Pillay Engineering College, Nagapattinam
07	Duration of the Project	:	July2018 - Dec2018 (6 months)
08	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	:	Enclosed separately - Annexure 1
09	An abstract, not exceeding one page describing the background, objectives methodology & year wise budget	:	Enclosed separately - Annexure 2
10	Project Work Plan	:	Enclosed separately - Annexure 3
11	Facilities available at the Institution / organization to carry out the project	:	Open Source Lab, Cloud Campus, Android Apps development Centre

Place: Nagapattinam

Date: 02.07.2018

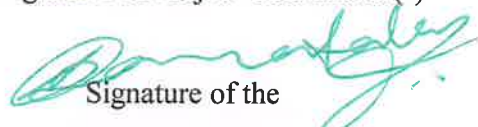


Signature of the
Head of the Department
with Seal

Dr.J. VANITHA
Head of the Department
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam - 611 002.



Signature of Project Coordinator(s)



Signature of the
Head of the Institution
with Seal

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

Annexure - 1**DETAILS OF BUDGET**

S.No	Itemized list of expenses Incurred	Amount (Rs)
1.	Remuneration for two Project Coordinators (12 months*Rs2000/pm) * 2	4000
2.	Remuneration for Technical Assistant (6 months * Rs.500/pm)	3000
3.	Preprocessing and Component Preparation	5,000
5.	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	10,000
6.	Travel	3000
7.	Institutional overhead charges	7000
	Total expenses incurred	36000
	Income generated through Consultancy	36000

Annexure - 2

ABSTRACT

Due to immense development in technology, every field is making the best use of technology so why not our public bus transportation. Today's transportation system still uses the traditional ways for ticketing. Also people need to stand in queues for long hours. Therefore user needs a smart system which provides real time information of bus and gives an easy way to purchase a ticket. So we proposed a new android application which overcomes the disadvantages of the current public transportation system. Our application will handle all the data like current location of bus, punching of bus-passes having QR code, On-time ticketing using E-wallet or cash Ticket generation with the help of Blue-tooth printing. The real time tracking of bus can be done by our proposed system and this information is then given to remote user. Technologies like QR-Code (Quick Response code), Blue-tooth printing, GPS (Global Positioning System), Cloud, E-wallet are used for development purpose. Our system provides an Android application, which gives bus pass with QR code, real time location of bus to user.

1. Hardware Setup:

Processor : i3 processor
Ram : 4GB
Bluetooth Printer
Battery: 2000mAh, rechargeable lithium battery
Line Thermal Printer
Android mobile device

2. Software Setup:

Operating system: Windows XP or higher
Android studio(version 2.1.0)
XML and SQLite for database

Annexure - 3

Work Plan

Phase	Primary Objective	Scheduled start or milestone
Planning/ Requirement Analysis	<ul style="list-style-type: none"> ✓ Analyzing Requirements ✓ Collecting Project Requirements 	July 2018
Elaboration	<ul style="list-style-type: none"> ✓ Identifying Technical Assistant ✓ Installation and Setup ✓ Purchasing 	August 2018
Designing	<ul style="list-style-type: none"> ✓ Designing Prototype Model ✓ Project Review Status Preparation Submission ✓ Project Modules Preparation 	September 2018
Implementation	<ul style="list-style-type: none"> ✓ Start to develop Coding each Modules ✓ Identify the Risk and Measure the values of on it. 	October 2018
Construction	<ul style="list-style-type: none"> ✓ Complete the Project and meet with Abstract ✓ Project Final Phase meeting 	November 2018
Transitions /End	<ul style="list-style-type: none"> ✓ Preparing Documentation Part ✓ Final Project Presentation 	December 2018

EXPECTED OUTCOME

Through our system we can systematically work to achieve the following expected outcomes.

1. The conductor will first Login to the application
2. After boarding the bus the passenger is asked for his destination.
3. Then conductor will enter the route details as per passenger's requirement.
4. According to the route amount would be charged.
5. If the passenger has bus-pass then the QR-Code would be scanned from conductor mobile app.
6. Then the app would check bus pass status and for that particular day the pass will get punched from the database.

**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM
DEPARTMENT OF MCA**

UTILIZATION CERTIFICATE

Name of the Project	ONLINE BOOKING AND BUS TRACKING SYSTEM
Name of the Coordinator(s)	Dr.J.Vanitha Professor/HOD-MCA Mrs. C.Mallika
Name of the Agency	TNSTC
Type of Project	Consultancy work
Duration	July 2018 -December 2018
Project Cost	36000

This certificate is an acknowledgment of the expenditure incurred in executing the consultancy work mentioned above. The accounts are duly submitted to the R&D Cell and verified by the principal.

S.No	Itemized list of expenses Incurred	Amount (Rs)
1.	Remuneration for two Project Coordinators (12 months*Rs.2000/pm) * 2	4000
2.	Remuneration for Technical Assistant (12 months * Rs.1000/pm)	3000
3.	Preprocessing and Component Preparation	5,000
5.	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	10,000
6.	Travel	3000
7.	Institutional overhead charges	7000
	Total expenses incurred	36,000
	Income generated through Consultancy	36,000

1. Dr.J.Vanitha Professor/MCA/HOD
2. Mrs.C.Mallika AP/MCA


Name and Signature
of Coordinator


Name and Signature of
Head of Institution
With seal

Signature (With Seal) of the Auditor/Accounts Officer

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

MINUTES OF MEETING

**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
, NAGAPATTINAM
DEPARTMENT OF MCA**

Minutes of Meeting

Consultancy Work	
Title	ONLINE BOOKING AND BUS TRACKING SYSTEM
Ref.No	EGSPEC/MCA/CW/2018/BTS/01
Meeting No.	01
Date	13.08.2018
No. of Attendees	05
Venue	Department of MCA-Faculty Room

Members Present

S.No	Name of the Members	Designation/Dept	Signature
01	Dr.J.Vanitha	Professor/MCA/HOD	
02	Mrs.C.Mallika	AP/MCA	
03	T. Rajkumar	Assistant manager/ TNSCT	
04	Mr.J.Jayakumar	(Technical Assistant)	
05	820816621305-Archana	Student	

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Dr.J.Vanitha Prof/MCA -welcoming the company people
02	Mrs. C.Mallika AP/MCA discussed project details with company people
03	Minutes of last meeting reviewed
04	Arranged lab for testing components with Tech Asst.
05	Discussed project planning status requirements, designing prototype, completed components and documentation part.


HOD/MCA

MINUTES OF MEETING

**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM
DEPARTMENT OF MCA**

Minutes of Meeting

Consultancy Work	
Title	ONLINE BOOKING AND BUS TRACKING SYSTEM
Ref.No	EGSPEC/MCA/CW/2018/BTS/02
Meeting No.	02
Date	13.09.2018
No. of Attendees	05
Venue	Department of MCA-Faculty Room

Members Present

S.No	Name of the Members	Designation/Dept	Signature
01	Dr.J.Vanitha	Professor/MCA/HOD	
02	Mrs.C.Mallika	AP/MCA	
03	T. Rajkumar	Assistant manager/ TNSCT	
04	Mr.J.Jayakumar	(Technical Assistant)	
05	820816621305-Archana	Student	

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Discussed with major and minor problem displayed.
02	Recommendation and Action taken points are discussed.
03	Discussed with details of further work


HOD/MCA

MINUTES OF MEETING

**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM
DEPARTMENT OF MCA**

Progress Analysis Meeting

Consultancy Work	
Title	ONLINE BOOKING AND BUS TRACKING SYSTEM
Ref.No	EGSPEC/MCA/CW/2018/BTS/02
Meeting No.	03
Date	10.10.2018
No. of Attendees	05
Venue	Department of MCA -Faculty Room

Members Present

S.No	Name of the Members	Designation/Dept	Signature
01	Dr.J.Vanitha	Professor/MCA/HOD	
02	Mrs.C.Mallika	AP/MCA	
03	T. Rajkumar	Assistant manager/ TNSCT	
04	Mr.J.Jayakumar	(Technical Assistant)	
05	820816621305-Archana	Student	

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Discussed with major and minor problem displayed.
02	Recommendation and Action taken points are discussed.
03	Discussed with details of further work


HOD/MCA

 **Indian Bank**

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Thirty Six Thousand Only -

₹ 36,000/-

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FOR

6029118258

CBS Code: 01591


AUTHORISED SIGNATORIES
Please sign above

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

VOUCHER

Dept :
LabMS :

Vf. No.:

Date : 29/12/2018

Particulars	Rs.	Pg.
Paid to Thiru <i>Mr. J. Vaidya, Mrs. L. Mallika</i>		
Towards..... <i>Consultancy Project E Online</i>		
..... <i>Boating and Bus Tracking System</i>	36,000	—
A sum of Rupees		
<i>Thirty Six thousand only</i>	36,000	—

Received payment

(Signature)
Signature of Payee

(Signature)
Accounts Supdt.

Secretary

(Signature)
Principal

**CONSULTANCY WORK
BILLING SYSTEM**

CUSTOMER DETAIL

**AYYA SHOE MART
THIRUTHURAIPOONDI**

Coordinator(s)

Prof. G. PRABHAKARAN

ASSISTANT PROFESSOR

Prof. M. RAJAKUMARAN

ASSISTANT PROFESSOR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
E.G.S PILLAY ENGINEERING COLLEGE
NAGAPATTINAM – 611 002,
TAMIL NADU

<http://www.egspec.org>

Ph: 04365 – 251112

E.G.S PILLAY ENGINEERING COLLEGE, THIRUTHURAIPOONDI

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Consultancy Work

“BILLING SYSTEM”

CONTENTS

S. No	DETAILS	PAGE No.
Main Report		
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**E.G.S PILLAY ENGINEERING COLLEGE, THIRUTHURAIPOONDI
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

Date : 12/07/2018

To

Mr. KARTHIK MUTHUKUMARAN,
Proprietor
Ayya shoe mart
Thiruthuraipoondi

Sir

Sub: Consultancy Work – Reg

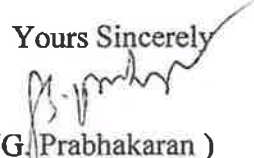
Greetings from EGS Pillay Engineering College, Thiruthuraipoondi

We are happy to inform you that we are doing consultancy work for BILLING SYSTEM. This project mainly focuses on easy way to billing to the customer. Herewith we send Institution and department profile for your reference.

Hence we request you give a positive response from your side.

Thanking You

Yours Sincerely


(G. Prabhakaran)

Contact Details

Prof G. Prabhakaran
Asst.Prof/CSE
EGS Pillay Engineering College, Thiruthuraipoondi
Email Id: gowthamprabha@gmail.com
Contact No: 9789905354

1. INSTITUTION PROFILE

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Thiruthuraipoondi, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late. G.S.Pillay. He was born on 2nd January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Thiruthuraipoondi was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy. during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbor state Karaikal- Thirunallar.It is situated close to East Coast Road (ECR) between Karaikal and Thiruthuraipoondi and 2 km from Nagore. The nearest Railway station is Thiruthuraipoondi which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19th year of excellent service in the year of 2012. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,

The college offers 6 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

UG Courses:

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology

PG Courses:

- Master of Business Administration
- Master of Computer Applications
- M.E – Manufacturing Engineering
- M.E – Computer Science and Engineering
- M.E – Communication Systems
- M.E – Power Electronics and Drives

Vision:

Envisioned to Transform our Institution into a globally “Centre of Academic Excellence”

Mission:

Our Mission is to produce Proficient, Dynamic, Eminent Engineers and Administrators through Excellent Services.

Quality Policy:

We commit ourselves to satisfy our student’s community through quality teaching and by concentrating on Teaching – Learning Process

We strive to give continuous improvement and skill development to the students through teamwork.

2. DEPARTMENT PROFILE

The department has well qualified and experienced staff and it continually updates its laboratories with modern facilities. The department conducts various seminars and workshop periodically. Various associations are formed related to the department. The students are given different mini-projects in the pre-final year so that their individual ideas can be implemented. The staff and students are encouraged to present papers at various colleges and many have won prizes in the face of stiff competitions.

Vision

To impart a balanced quality technical education and to produce competent and renowned IT professionals excelling in emerging technologies and uplifting the nation globally.

Mission

To produce globally competent, quality computer professionals and to inculcate the spirit of moral values for the cause of development of our nation.

PROGRAMME EDUCATIONAL OBJECTIVES

The current PEO statements targeted for B.E – Computer Science & Engineering are given below.

1. Prepare graduates to have knowledge and competency for careers in and related to Computer Science & Engineering.
2. Prepare graduates to become leader in fields related to Computer Science & Engineering.
3. Prepare graduates to pursue higher education in Engineering or other Professional fields.

PROGRAMME OUTCOMES

The following Programme Outcomes (POs) are established based on expert comments considering an ideal students and his/her expected qualities/characteristics on completion of the graduation in regard to Graduate Attributes described by NBA.

The graduates must demonstrate:

1. An ability to apply knowledge of mathematics and engineering to solve the complex engineering problems in information handling and data analytics
2. An ability to effectively integrate CSE-based solutions into the user environment
3. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
4. An ability to use research methods to design and conduct experiments to investigate complex problems, as well as to analyze and interpret data

5. An ability to acquire new knowledge in the computing discipline and to engage in life-long learning
6. An ability to work individually or as a member with responsibility to function on multi-disciplinary teams.
7. An ability to communicate effectively in speech and in writing, including documentation of hardware and software systems.
8. An understanding of the engineering and management principles required for project and finance management.

Courses Offered

- B.E – Computer Science & Engineering.
- M.E – Computer Science & Engineering.

Association Name

CEA – Computer Engineers Association

Features of the Department

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields
- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programmer like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department library has an extensive collection of academic books in the areas of latest technologies
- The department has stable, highly qualified and experienced staff members in the staff student ratio of 1:15

Laboratory facilities

Each laboratory is fully equipped to meet the requirement of Anna University Syllabi. The students can train themselves in the Laboratories with the guidance of the faculty during and

after the college hours. The laboratory facilities are constantly upgraded to take care of the technological Changes in the respective disciplines.

Department Servers and Software Details

- Microsoft Windows Server 2003
- Linux Fedora v19
- Oracle 11i Data base Server Workstations
- 471 Core i3 and Pentium based systems with multimedia facilities
- Capable of getting connected to all server and every other systems over TCP/IP backbone
- All systems having access with Internet/Intranet
- Software
- Microsoft Windows Server 2003
- CentOS 5.3 (For C & C++ programming and Script languages)
- Free BSD
- Oracle 11i
- IBM DB2
- PowerBuilder
- Sybase
- Microsoft Office 2007
- Microsoft Visual Studio 6.0
- Microsoft Visual Studio 2010
- Mathematica
- IDL (Image Processing Tools)
- MathCAD
- IBM Rational Suite and IBM Rational Architect
- Macromedia Flash and Dreamweaver
- Front Page Express
- Novell Netware
- Adobe Photoshop
- Network Simulator – 2 (Free Ware for Both Windows and Linux)
- .netbeans Developer
- Sun JDK, J2EE and J2ME
- Internet Facilities
- 16 Mbps leased line from Reliance

Priority Research Areas

1. Cloud Computing
2. Data Analysis
3. Data Mining and Warehousing
4. Network Security
5. Image Processing
6. Mobile Application Development
7. Ubiquitous Computing
8. Sensor Computing
9. Natural Language Processing
10. Green Computing

Faculty Details

S.No	Name of the Faculty with Designation	Qualification	Experience (in yrs)	Specialization
01	Mr. G. Prabhakaran	M.E	7.6	Analysis of algorithms
02	Mr. M. Rajakumaran	M.E	2	Networks

Ongoing Project Details

S. No	Name of the Project/Work	Coordinator(s)	Cost (Rs. in Lakh)
01	Learning Management System	Mr. Sudhir Shenai, AP/CSE Ms.S.Mahalakshmi, AP/Head	2.3
02	Accident Monitoring System	Mr. S.Aravindan, AP/CSE Mr. T.Ganesan, Assoc.Prof/Head	2.7
03	Centralized Data Disaster recovery management	Mr. R. Manivannan, AP/CSE Mr. K. Balasubramanian, AP/CSE	2.5
04	An acquisition of text from captured image	Mr. G.Prabhakaran, AP/CSE Mr.M. Rajakumaran, AP/CSE	2.1
05	A module of surface computer applied as a pen drive scanner	Mr.G.Arul Selvan, AP/CSE Mr. S.Praveen Kumar, AP/CSE	1.9
06	Two wheeler show room Management	Ms. Akila, AP/CSE Ms. P.Vennila, AP/CSE	0.87
07	Online Aptitude Trainer	Ms. Elakiya, AP/CSE Ms. R.G. Gokila, AP/CSE	0.95
08	Captcha based authentication for websites	Mr. A.Baskar, AP/CSE Mr. G. Prabhakaran , AP/CSE	0.98
09	Employee training tracking system	Ms. P.Vennila, AP/CSE Ms. Akila, AP/CSE	0.93
10	Open source website as a service to all business and publish inspiring stories	Ms. T. Sowkarthika Mr. D. Murali Chandrasekar	0.85



AYYA SHOE MART
THIRUTHURAIPOONDI

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20/07/2018

To

Prof G. Prabhakaran
Assistant Professor
Department of Computer Science & Engineering
EGS Pillay Engineering College
Thiruthuraipoondi

Sir

Sub: Consultancy Work – Reg

With reference from your letter dated on 12/07/2018 . Thank you for your interest. This project idea is very interesting and our customer need to bill in smart way. This idea can increase my customer rate. In my company we have 2 computers with 3mbps leased Internet connection.

We accept your request. Kindly send your project proposal.

Thanking you

Kind regards

**E.G.S PILLAY ENGINEERING COLLEGE, THIRUTHURAIPOONDI
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

26/07/2018

To

Mr. Karthik Muthukumar,
Proprietor
Ayya Shoe Mart,
Thiruthuraipoondi.

Sir

Sub: Consultancy Work – Reg

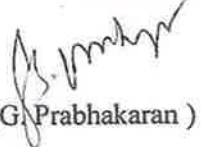
Greetings from EGS Pillay Engineering College, Thiruthuraipoondi

With reference from your acceptance letter dated on 20/07/2018 We are happy to your positive response. Herewith we send proposal along with Institution and Department profile for your reference. The proposal includes objective of the work, budget details and Expected outcome details along with specimen copy of audit sheet.

Hence awaiting for positive reply from your good office and fix one date for discussing consultancy work.

Thanking You

Yours Sincerely



(G. Prabhakaran)

Contact Details

Prof G. Prabhakaran
Asst.Prof/CSE
EGS Pillay Engineering College, Thiruthuraipoondi
Email Id: gowthamprabha@gmail.com
Contact No: 9789905354

1. PROJECT PROPOSAL

01	Title of the Project	:	BILLING SYSTEM
02	Type of the Project	:	Consultancy Work - Engineering & Technology – Information Technology – Social Networking
03	Name & Designation of the Project Coordinators	:	Prof. G. Prabhakaran Assistant Professor/ CSE Mr. M. Rajakumaran Assistant Professor/ CSE
04	Postal Address of the Principal Investigator	:	Old Nagore Road, Thethi Village, Nagore – Post, Thiruthuraiipoondi – 611 002
05	Contact Phone numbers of the Project Coordinators	:	Mr. G. Prabhakaran Project Coordinator Contact No. Email: gowthamprabha@egspec.org
06	Name of the Institution / Organization in which the project will be carried out	:	E.G.S Pillay Engineering College, Thiruthuraiipoondi
07	Customer Details	:	Mr.Karthik Muthukumaran Proprietor Ayya Shoe Mart, Thiruthuraiipoondi.
08	Customer Contact Details	:	Mr.Karthik Muthukumaran 9884143784 mkarthik@gmail.com
09	Duration of the Project	:	July' 2018 – June' 2019 (12 Months)
10	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	:	Enclosed separately – Annexure 1
11	An abstract, not exceeding one page describing the background, objectives methodology & year wise budget	:	Enclosed separately – Annexure 2
12	Project Work Plan	:	Enclosed separately – Annexure 3
13	Facilities available at the Institution / organization to carry out the project	:	Open Source Lab, Cloud Campus, Android Apps development Centre
14	Audit Sheet and Expected Outcome	:	Enclosed separately – Annexure 4

Signature of the project Coordinator(s)

Signature of the
Head of the Department
with Seal

Signature of the
Head of the Institution
with Seal

Annexure - 1**DETAILS OF BUDGET**

S.No	Description	Amount (in Rs.)
A	Salary for Project Coordinators (12 months*Rs.2000/pm)	24,000
	Salary for Technical Assistant (12 months * Rs.1000/pm)	12,000
Total		36,000
B	Software Packages, Preprocessing and Component Preparation	28,000
Total		64,000
C	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	23,000
Total		87,000
D	Travel	3000
E	Total of A+B+C+D	87,000
F	Institutional overhead charges (10%)	5,000
G	Total Cost of Project	95,000

Annexure - 2

ABSTRACT

Billing System purpose is to promote the Billing system as automatic and avoid written in manual

The association's activities provide:

- Extensive introductory education for new professionals
- Information on emerging technology as well as methodology for existing performance professionals
- Forums for the exchange of information, promotion of new ideas, and discussions of management information requirements
- Focus on practical applications and results oriented methodologies
- Encouragement for educational institutions to focus on the IT curriculum.

Annexure - 3

Work Plan

Phase	Cycle	Primary Objective	Scheduled start or milestone	Duration Estimate (calendar days)
Inception / Requirements Analysis	C1	<ul style="list-style-type: none"> ✓ Analyzing Requirements ✓ Collecting Project Requirements 	August 2018	38 days
Elaboration	C2	<ul style="list-style-type: none"> ✓ Identifying Technical Assistant ✓ Installation and Setup ✓ Purchasing 	Sep–Oct 2018	32 days
Designing	C3	<ul style="list-style-type: none"> ✓ Designing Prototype Model ✓ Project Review Status Preparation Submission ✓ Project Modules Preparation 	Oct - Nov 2018	35 days
Implementation	C4	<ul style="list-style-type: none"> ✓ Start to develop Coding each Modules ✓ Preparing Workspace model and verify with abstract. ✓ Identify the Risk and Measure the values of on it. 	Nov – Dec 2018	45 days
Construction	C5	<ul style="list-style-type: none"> ✓ Complete the Project and meet with Abstract ✓ Objectives and Outcome mapped with the Module ✓ Project Final Phase meeting 	Jan – Mar 2019	45 days
Transitions /End	C6	<ul style="list-style-type: none"> ✓ Preparing Documentation Part ✓ Publication and Presentation in Conferenece and Jouranls ✓ Final Project Presentation 	Apr– Jun 2019	40 days

Expected Outcomes

1. This project work provides generate automatic bill.
2. It satisfies the user expectation.
3. This work mainly focuses on billing in printed format.
4. This work will reduce the human manpower instead of putting one separate staff for administration
5. Real time environment at any point owner and head of industry will know the status system.
6. This project holds all type of industry with the minimum effort and no need to set any specialized component.
7. Future research should therefore be devoted to the design of an overall framework, integrating all the presented solutions, and activating the most appropriate solutions.

COORDINATOR DETAILS

S.No	Name of the Coordinator	Designation	Contact No.	EmailID
Faculty Members				
01	Prof.G. Prabhakaran	Asst.Prof/CSE	9789905354	gowthampraba@gmail.com
02	Prof.M. Rajakumaran	Asst.Prof/CSE	9952127506	mrajakumaran90@gmail.com
Students Members				
03	M. Yogapraba	Student	9943092211	Yoga2233@gmail.com
04	RajendranUjaini	Student	9899743690	rajendranujai@gmail.com
05	Vedaraj	Student	9543208747	vedasoftklr@gmail.com
06	Rajeswari. K	Student	9967845345	rajikalis@gmail.com

Profile of the Coordinator - 1

Name : Prabhakaran.G
Date of Birth : 25.06.1986
Father's Name : K.Gowthaman
Address : 38/37, Sivan mela vedhi
Velippalayam, nagappattinam - 611001
Email : gowthampraba@gmail.com
Mobile : 9789905354

Experience Summary

Academic Profile

Course	Institute	Board/Univ.	Percent
M.E., (CSE)	Sathyabama university	Sathyabama university	7.8
B.E., (CSE)	Sri sairam engineering college	Anna University, Chennai	67%

Profile of the Coordinator - 2

1. Name : M. Rajakumaran
2. Gender : Male
3. Date of Birth : 14.06.1990
4. Designation & Affiliation : Assistant Professor / CSE
5. Postal Address : 3/95 Sannathi Street
Thiruppugalur
6. Contact Number : 9952127506
7. Email ID : mrajakumaran90@gmail.com
8. Qualifications (Starting from University Level)

Sl.No.	Degree	Institution	University
1	B.E, CSE	EGS Pillay Engineering College, Nagapattinam	Anna University
2	M.E., (CSE)	An EGS Pillay Engineering College, Nagapattinam	Anna University

MINUTES OF MEETING

**EGS PILLAY ENGINEERING COLLEGE, THIRUTHURAIPOONDI
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

Minutes of Meeting

Consultancy Work	
Title	BILLING SYSTEM
Ref.No	EGSPEC/Consultancy/MCP/2014/IT-003
Meeting No.	01
Date	26.07.2018
No. of Attendees	05
Venue	Department of CSE –Faculty Room

Members Present

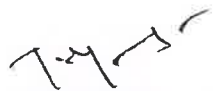
S.No	Name of the Members	Designation/Dept
01	Mr. G. Prabhakaran	Asst. Prof. CSE
02	Mr. M. Rajakumaran	Asst. Prof. CSE
03	Mr.Karthik Muthukumaran	Proprietor, Ayya Shoe Mart
04	Mr. D.Arun	Manager Ayya Shoe Mart
05	Mr.R.Parthiban	Lab Asst /CSE LAB

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Prof.G. Prabhakaran , AP/CSE welcoming the company people
02	Prof.M. Rajakumaran, AP/CSE discussed project details with company people
03	Discussed with project details like objective, duration, project status monitoring and explained prototype model for evaluation process.
04	Explained various levels in the sense of hardware and software profile and outcomes. Displayed audit sheet for reference and explain the procedure to monitoring.
05	Signed memorandum of understanding for consultancy work order.

Minuted by: Prof.G. Prabhakaran

Copy to: Department file and Company


HOD/CSE
(Prof. T.Ganesan)



E.G.S. PILLAY ENGINEERING COLLEGE,
 OLD NAGORE ROAD,
 NAGAPATTINAM, TAMIL NADU - 611002, INDIA
 Tel: 91-4365-251112, 251114 Fax: 91-4365-251114
 Email: principal.egspec@gmail.com Web: http://egspec.org

FORM NO. CWF-01

Ref. No. EGSpec/CW/

For Office Use Only

Consultancy Assignment Proposal and Agreement Form

PART-A

TITLE OF THE CONSULTANCY (Kindly fill in BLOCK letters)

BILLING SYSTEM

CONSULTANT INCHARGE

Name: G. Prabhakaran / M. Rajakumaran Designation: ASSI - PROF
 Department/Centre: Computer Science & Engineering
 Telephone: Mobile: 9189905354 / 995227506 Email: gowdham.praha@gmail.com

EXPECTED TIME SCHEDULE

Duration: 1 Years - Months - Weeks Starting Date: 26/7/19

CLIENT DETAILS (Kindly fill in BLOCK letters)

Firm's Name: Karthik Muthukumar
 Address: Axxa Shoo mart Contact Person's Name: Karthik Muthukumar
Thiruthurai Poonai Designation: Proprietor
 City: Pin:
 Ph. Cell Fax Email mkarthik@gmail.com

TOTAL CHARGES AND PAYMENT DETAILS

Mode of Payment: → By Cheque By Draft Telegraphic Transfer
 Currency: → Indian Rupees Foreign → Country: Currency:
 Payment enclosed: → Full Payment Part Payment

Total Value (in figures)	Total Value (in words)	Bank's Name and Branch
<u>95,000/-</u>	<u>ninety five thousand only</u>	<u> </u>
DD/Cheque No.	DD/Cheque Amount	DD/Cheque Date
<u> </u>	<u> </u>	<u> </u>

SCOPE OF THE CONSULTANCY (attach separate sheet, if necessary)

This project is used to create online billing system for small type of industries. It is also used offline method.

AGREEMENT BETWEEN CLIENT AND CONSULTANT

This agreement is subject to the Standard Terms and Conditions (Annexure) for undertaking consultancy projects at EGS Pillay Engineering College, Nagapattinam. Signatures of the client may be obtained and submitted on the Standard Terms & Conditions to acknowledge that he/she has gone through these and agrees to be bound by them.

[Handwritten Signature]
Signature of the Consultant In-charge

Date: *20/7/14*

PART - B

DETAILS OF THE CONSULTANT INCHARGE AND CO-CONSULTANT INCHARGE(S)

	Employee's Name	Designation	Department	Signature
CI:	G. Prabhakar	ASST. PROF	CSE	
Co-CI:	M. Rajakumar	ASST. Prof	CSE	Mr. Raju
Co-CI:				
Co-CI:				

TYPE OF CONSULTANCY (Please any one of the following)

Type A: Product/Process development and advice/report based on significant research and development.
 Type B**: Testing and Interpretation, Design Checking etc.

**Head of the Dept. will decide, if the consultancy falls in the Type B category. In case of a doubt, Principal will decide the classification in consultation with the CI and the concerned Head of the Dept.

TYPE OF THE CLIENT ORGANISATION (Please any one of the following)

Private Sector

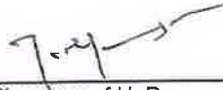
Public Sector

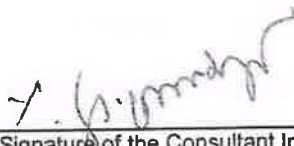
Govt. Sector

Foreign Organization

BREAK UP OF TOTAL CHARGES

	Budget Head Description	Budget Code	Amount (Rupees)
(I)	EXPENSES Recurring/Non-Recurring (Salary/Cost of Labour, Honorarium to Staff/Outside Consultants, Travel, Contingency, Consumables, Equipments, Materials, etc.)	EXPENSES	60,000
(II)	FEE FOR SCIENTIFIC & TECHNICAL ADVICE	FEESTA	20,000
(III)	INSTITUTE CHARGES (Type A: 10% of (I) + 50% of (II), Type B: 10% of (I) + 100% of (II))	INSTOHS	15,000
(IV)	TOTAL CHARGES (I+II+III)		
(V)	SERVICE TAX @ 12% OF IV(Total Charges)		
(VI)	EDUCATION CESS @ 3% OF V(Service Tax)		
(VII)	GROSS AMOUNT (IV+V+VI)		95,000 -


 Signature of HoD


 Signature of the Consultant In-charge
 Date:

ANNEXURE FOR
FORM NO.CW/F-02 (CONSULTANCY FORM)



E.G.S. PILLAY ENGINEERING COLLEGE,

**OLD NAGORE ROAD,
NAGAPATTINAM, TAMIL NADU - 611002, INDIA**

Tel: 91-4365-251112, 251114 Fax: 91-4365-251114

Email: principal.egspec@gmail.com Web: http://egspec.org

STANDARD TERMS AND CONDITIONS OF CONTRACT FOR CONSULTANCY

Title of the Consultancy Job:

Billing System

Name & Address of the Client:

Axxa Sheo mart, Thiruthurai Poondi

Name and Dept. of the Consultant In-charge:

G. Prabakaran / m. Rajakumaran. @ CSE / EGSPEC

The Institute through the CI/Co-CI will plan the Project in consultation with the Client. These terms and conditions govern projects for the development of products, processes, field studies, model studies, calculations, economic and technical consulting and other forms of project of specific interest to the client. The conditions are binding unless otherwise agreed upon in a separate signed document.

- 1. DECLARATION:** All work undertaken by the Consultant In-charge (CI)/Co-Consultant In-charge (Co-CI) at EGS Pillay Engineering College, Nagapattinam (EGSPEC, Nagai) as part of the project will be in good faith and based on material/data/other relevant information given by the client requesting for the work.
- 2. RESPONSIBILITY/LIABILITY:** The Institute through CI/Co-CI undertakes to carry out the project as conscientiously as conditions allow, but accepts no economic responsibility whatsoever, should the work not lead to expected results. EGSPEC, Nagai shall not be held liable for any loss, damage, delay or failure of performance, resulting directly or indirectly from any cause, which is beyond its reasonable control (Force Majeure). The liability of EGSPEC, Nagai shall be limited to the funds received for the project.
- 3. DISCRETION:** The Institute through CI/Co-CI undertakes to handle with discretion reports, results, the identity of the Client and all material specifically treated/marked confidential which the client places at the disposal of the CI/Co-CI in connection with the project at EGSPEC, Nagai, subject to Right to Information rules/regulations.
- 4. SUB-CONTRACTING:** The Institute reserves the right to allow any work in connection with the project, experimental or otherwise, to be carried out by a third party as per Institute norms and procedures, provided this does not result in the danger of information of a confidential nature coming into the hands of unauthorized persons.
- 5. RESULT OF THE PROJECT:** The results of all work done at the Institute by the CI/Co-CI in connection with the project, incorporated in written reports shall remain the property of the Client. Results arrived at with little or no involvement on the part of the Client are available free of charge for the Client's own use. However, the CI/Co-CI/Institute reserves the right to use such results in connection with activities outside the scope of the project. If the Client consists of several individuals, all questions of Client, rights between the Clients must be settled between such individuals, and are of no concern to the CI/Co-CI/Institute. Unless otherwise agreed, all reports are to be sent to the Client. The CI/Co-CI/Institute has the right to retain a copy.

6. **INTELLECTUAL PROPERTY RIGHTS:** All rights pertaining to any intellectual property generated/ created/invented in the due course of the project, will be the joint property of EGSPEC, Nagai and the Client. Terms and conditions regarding transferring/assigning/selling these rights to the Client shall be governed by a separate written agreement if required.
7. **PUBLISHING THE RESULTS/OUTCOME OF THE CONSULTANCY:** The results/outcome of the consultancy shall not be exploited by the Client organization for its business interests by using EGSPEC, Nagai's name/logo through press advertisement/publicity material or in any other manner. Manuscripts of academic papers, brochures, advertisements or other form of published material which refer to or quote the proprietary results of the project shall be vetted by both parties before publication.
8. **COMMUNICATION OF RESULTS TO A THIRD PARTY:** The CI/Co-CI may not, without the written agreement of the Client, communicate the results of the project to a third party. The Client shall arrange the necessary written agreement of all parties on the Client's side who may have publication rights with respect to the project.
9. **PROJECTS FOR OTHER CLIENTS:** The Institute may undertake other projects in the same field provided – to the best of its knowledge and belief – there exists no danger of information of a confidential nature coming into hands of a third party.
10. **APPARATUS:** Instruments and/or equipment obtained in connection with the project and charged to the client remain the property of EGSPEC, Nagai, unless otherwise it is specifically agreed to by the Institute.
11. **TERMINATION OF THE PROJECT:** The Client has a right to terminate the project at any time, but shall be liable for all reasonable expenses incurred in connection with halting work already in progress according to the agreed work programme. The decision of EGSPEC, Nagai shall be final as far as reasonableness of the expenses is concerned. The Institute has also the right to terminate the project at any time except where otherwise agreed upon. The Client in this case will not be liable for any expenses incurred after the termination.
12. **PAYMENT:** The payment of consultation charges to EGSPEC, Nagai are to be made in advance and in full before the start of the project, through a demand draft/crossed valid cheque drawn in favour of the Principal, EGS Pillay Engineering College, Nagapattinam and sent to the Consultant. The charges will also include any applicable tax as prescribed by the Government of India or the Government of Tamil Nadu (or any other statutory body) from time to time.
13. **DISPUTES:** In the event of any dispute or difference between the parties hereto, such dispute or differences shall be resolved amicably by mutual consultation. If such resolution is not possible, then the unresolved dispute or difference shall be referred to a sole arbitrator to be nominated by the Director of the Institute for a reasoned Award. The seat of arbitration shall be within the campus of EGSPEC, Nagai and the language of arbitration shall be English. The Award of the arbitrator shall be binding on the parties to the dispute.
14. **DISCLAIMER:** The report on the consultancy project is the technical opinion of the CI/Co-CI based on his/their expertise in the particular area of research and in no way reflects the view(s) of EGSPEC, Nagai. EGSPEC, Nagai is not responsible for the accuracy or completeness of the report and the role of the Institute is limited to providing administrative support to the project.
15. **SERVICE TAX:** As per Service Tax Act of G.O.I., the service tax plus education cess will be levied on total consultancy charges and this amount is to be borne by the Client (The Service Tax applicable today is 12.36%).

Mr. Rajakumaran
M. K. K.

G. P. A. B. S. H. S. S. S.
M. K. K.

Name & Signature of Consultant Incharge
Name & Signature of Client

Place: *Nagapattinam* (with office seal)
(with office seal)

6

E.G.S Pillay Engineering College,
Thiruthuraipoondi
Department of Computer Science &
Engineering

Ayya Shoe Mart
Thiruthuraipoondi

**Memorandum of Understanding
(Consultancy Work Order)**

This Memorandum of Understanding is entered on this 12th November, 2014 between Ayya Shoe Mart, Thiruthuraipoondi. – 611 111 hereinafter called the party of the first part represented by Mr. R.Muthukumar, Proprietor, Ayya Shoe Mart, Thiruthuraipoondi.

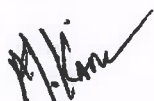
AND

Department of Computer Science & Engineering, E.G.S Pillay Engineering College, Old Nagore Road, Nagapattinam District – 611 002, hereinafter called the party of the second part represented by Prof. G. Prabhakaran, AP/CSE, E.G.S Pillay Engineering College hereinafter called the party of the second part.

We are happy to sign Memorandum of Understanding for the purposes of doing Consultancy work for the title “BILLING SYSTEM” the period from November 2014 to October 2015. And we accept and satisfies the requirements and it is very good platform for us.

This MOU effect from on 12/11/2014.

On behalf of



Ayya Shoe Mart

On behalf of



Head of the Department

MINUTES OF MEETING

**EGS PILLAY ENGINEERING COLLEGE, THIRUTHURAIPOONDI
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

Minutes of Meeting

Consultancy Work	
Title	BILLING SYSTEM
Ref.No	2014/CSE-003
Meeting No.	02
Date	13.09.2018
No. of Attendees	04
Venue	Department of CSE – CC4 Lab

Members Present

S.No	Name of the Members	Designation/Dept
01	Prof.G. Prabhakaran	Asst.Prof/CSE
02	Prof. M. Rajakumaran	Asst.Prof/CSE
03	Mr.D.Arun	Manager, Ayya Shoe Mart
04	Mr.R. Parthiban	Lab.Asst/CSE

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Minutes of last meeting reviewed
02	Audit sheet shown to Tech Asst from company that includes hardware details measuring components CPU, Clock rate, Completion time, Processor Status. Software details – Installed components, Life time, piracy details.
03	Arranged model lab for testing components with Tech Asst.
04	Discussed project planning status requirements, designing prototype, completed components and documentation part.

Minuted by: Prof.G. Prabhakaran
Copy to: Department file and Company


HOD/CSE
(Prof.T.Ganesan)

MINUTES OF MEETING

**EGS PILLAY ENGINEERING COLLEGE, THIRUTHURAIPOONDI
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

Progress Analysis Meeting

Consultancy Work – Progress Analysis	
Title	BILLING SYSTEM
Ref.No	2014/CSE-003
Meeting No.	03
Date	17.11.2018
No. of Attendees	05
Venue	Ayya Shoe Mart, Thiruthuraipoondi

Members Present

S.No	Name of the Members	Designation/Dept
01	Prof.G. Prabhakaran	Asst.Prof/CSE
02	Prof. M. Rajakumaran	Asst.Prof/CSE
03	Mr.D.Arun	Manager, Ayya Shoe Mart
04	Mr.R. Parthiban	Lab.Asst/CSE

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Discussed with audit report and major, minor problem displayed.
02	Recommendation and Action taken points are discussed and explained with audit sheet for performance measurement
03	Cumulative report submitted and Components status noted for future reference
04	Finalized next audit date in the month November and comparison report submitted on at the end of the project.



Coordinator

(Prof. G. Prabhakaran)



HOD/CSE

(Prof. T.Ganesan)

MINUTES OF MEETING

**EGS PILLAY ENGINEERING COLLEGE, THIRUTHURAIPOONDI
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

Minutes of Meeting

Consultancy Work – Progress Analysis	
Title	BILLING SYSTEM
Ref.No	2014/CSE-003
Meeting No.	04
Date	21.02.2019
No. of Attendees	05
Venue	Ayya Shoe Mart office. Thiruthuraiipoondi.

Members Present

S.No	Name of the Members	Designation/Dept
01	Prof.G. Prabhakaran	Asst.Prof/CSE
02	Prof. M. Rajakumaran	Asst.Prof/CSE
03	Mr.D.Arun	Manager, Ayya Shoe Mart
04	Mr.R. Parthiban	Lab.Asst/CSE

Points Discussed

S.No	Points
The following points discussed in project meeting	
01	Discussed with phase 2 audit report and major, minor problem displayed.
02	Recommendation and Action taken points are discussed and explained with audit sheet for performance measurement
03	Cumulative report submitted and Components status noted for future reference
04	Comparison result produced and notified best of this work with the help of that.
05	Up gradation and reconfiguration process discussed and presented overall status mapped with outcomes.


Coordinator
(Prof.G. Prabhakaran)


AP/CSE
(Prof. M. Rajakumaran)



AYYA SHOE MART
THIRUTHURAIPOONDI

Get into shop & walk safe

Phone : (04369) 248044

07.06.2019

To

Prof. G. Prabhakaran
Assistant Professor
Department of Computer Science & Engineering
EGS Pillay Engineering College
Thiruthuraiipoondi

Sir

Sub: Consultancy Work – Reg

We are happy to inform you that we got very good result from your consultancy work. After implement this system speed and internet bandwidth are tremendously increased. The coordinators are appreciated for completing this wonderful work in my industry. Herewith I enclosed invoice copy of payment details for your reference. I hope this work nice experience for us and in future you may increase number iteration as more as possible.

Thanking you

Kind regards


Karthik Muthukumaran



AYYA SHOE MART THIRUTHURAIPOONDI

Get into shop & walk safe

Phone : (04369) 248044

07.06.2019

INVOICE

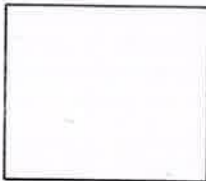
S.No	Salaries & Wages	Amount (in Rs.)
01	Coordinators and Technical Staff Salary	36,000
02	Software Packages and Component Model	28,000
03	Data Collection and Testing	23,000
04	Travel	3000
05	Institutional overhead charge	5,000
06	Total Cost of Project	95,000


Karthik Muthukumaran

Cash Voucher

Received an amount in cash for Rs. 95,000/- (Rupees Ninety Five Thousand only)
From Ayya Shoe Mart, Thiruthuraipoondi.

In connection with the completion of consultancy work "BILLING SYSTEM" from
November'2014 to October'2015 at Ayya Shoe Mart, Thiruthuraipoondi.



Name of the Person:

Date:

**E.G.S PILLAY ENGINEERING COLLEGE, THIRUTHURAIPOONDI
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

15.06.2019

TO

Mr. Karthik Muthukumaran
Proprietor
Ayya Shoe Mat,
Thiruthuraiipoondi.

Sir

Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Thiruthuraiipoondi

With reference from your letter dated on 07.06.2019. We are very much pleased to accept your positive response and work process appreciation and we take your consideration in our future reference. Also we received invoice details and cash voucher. Herewith I send signed cash voucher for your reference.

Thanking You

Yours Sincerely



(G. Prabhakaran)

Contact Details

Prof.G. Prabhakaran ,
Asst.Prof/CSE
EGS Pillay Engineering College, Thiruthuraiipoondi
emailID: gowthampabha@gmail.com
Contact No: 9789905354



AYYA SHOE MART
THIRUTHURAIPOONDI

Get into shop & walk safe

Phone : (04369) 248044

23.06.2019

To

Prof. G. Prabhakaran
Assistant Professor
Department of Computer Science & Engineering
EGS Pillay Engineering College
Thiruthuraipoondi

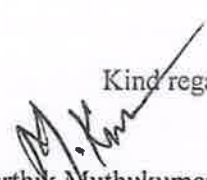
Sir

Sub: Consultancy Work – Reg..

We are happy to inform you that Billing System consultancy work successfully running and it reduces the time and helpful to the users perspective. It was very good experience for us and got good product from your esteemed institution. Also the coordinators are worked very well. I hope near in future we will to other projects for social development.

Thanking you

Kind regards


(Karthik Muthukumaran)



भारतीय स्टेट बैंक
State Bank Of India

FOR USE OF SBI BRANCHES ONLY
17 01 2017
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PAY

The Principal, The Pillay Engineering College

Twenty five thousand only

₹ 25,000/-

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MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

[Signature]
Please sign above

001055 400030786 014884* 41
LTD



E.G.S. PILLAY ENGINEERING COLLEGE(Autonomous)

NAGAPATTINAM - 611 002.

Accredited by NBA (CSE, EEE, Mech, Civil, ECE & IT) Accredited by NAAC with 'A' Grade
An ISO 9001:2008 Certified Institution
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL

Ref: EGSPEC/APRIL/2019

14/04/2019

Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.	01
3	Date	14/04/2019
4	No. of Attendees	2

Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	
2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	

Memorandum of Understanding

The memorandum of understanding is entered on this 3rd February, 2019 between Sun fiber boat and sea foods, nagore, Tamilnadu-611002, here in after called the party of the first part represented by Shri.B.Mohan, proprietor, Sun fiber boat and sea foods.

And

Department of Mechanical Engineering, E.G.S.Pillay Engineering College, Old nagore road, Nagapattinam, Tamilnadu-611002, her in after called the party of the second part represented by Dr.V.Sivaraman, Professor, E.G.S.Pillay Engineering college here in after called the party of the second part. We are happy to sign memorandum of Understanding for the purpose of doing consultancy work for the title "Design and fabrication of FRP Boat for the use of fishing purpose" The period from April 2019 to October 2019(6 months). We accept and satisfy the requirement from both side and it is very good platform for us. This MOU is effect from 14.04.2019

1 behalf of Proprietor



On behalf of EGSPEC

PRINCIPAL

E.G.S. Pillay Engineering College

Nagapattinam

Personal : 251114, Office : 251112, Chairman : 224522, Hostel : 251348, Fax : (04365) 251114
Web site : www.egspec.org



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Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL

Ref: EGSPEC/APRIL/2019

14/04/2019

Minutes of Meeting

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2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	V.Sivaraman

Memorandum of Understanding

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And

Department of Mechanical Engineering, E.G.S.Pillay Engineering College, Old nagore road, Nagapattinam, Tamilnadu-611002, her in after called the party of the second part represented by Dr.V.Sivaraman, Professor, E.G.S.Pillay Engineering college here in. after called the party of the second part. We are happy to sign Memorandum of Understanding for the purpose of doing consultancy work for the title "Design and fabrication of FRP Boat for the use of fishing purpose" The period from April 2019 to October 2019(6 months). We accept and satisfy the requirement from both side and it is very good platform for us.

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On behalf of Proprietor



On behalf of EGSPEC
PRINCIPAL

E.G.S. Pillay Engineering College,
Nagapattinam

Personal : 251114, Office : 251112, Chairman : 224522, Hostel : 251348, Fax : (04365) 251114

Web site : www.egspec.org

SUN FIBER BOATS & SEA FOODS

No.11,Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN: 33BJOPM7318D1Z7
Ph.8610447629

To
The Principal
EGS Pillay Engineering College
Nagapattinam

15-04-2019

Sir,

Sub: FRP boat order -- reg.

With reference to our discussion with you and Dr.V.Sivaraman, we are interested to give order to deliver the boat with the following specifications

1. Length 42 feet 2. Breadth 11 feet 3. Height 4 feet

The boat should have two engines with maximum capacity of 50 HP each. The cabin size must accommodate minimum 3 to 4 person with steering wheel and other necessary accessories. We can pay Rs.11 lakhs (Eleven Lakhs only) for the entire project, if you are interested kindly send your acceptance immediately.

Thanking You

With regards





E.G.S. PILLAY ENGINEERING COLLEGE(Autonomous)

NAGAPATTINAM - 611 002.

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**Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL**

Ref: EGSPEC/MECH/APRIL/2019

16/04/2019

To

Shri.B.Mohan

Proprietor

Sun fibre boats and sea foods

Nagore

Tamilnadu-611002.

Sir

Sub: Consultancy work-reg

Greeting from E.G.S.Pillay Engineering College, Nagapattinam.

We are happy to inform you that herewith we attached the technical specification and description of the consultancy work for you reference and fix a date for meeting to discuss about the consultancy work and budget details.

Thank you

Yours truly


Dr.S.Ramabalan

E.G.S. Pillay Engineering College
Nagapattinam

SUN FIBER BOATS & SEAFOODS

No.11, Kalpandaga Salai Street, Nagore - 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN:33BJOPM7318D1Z7
Ph.8610447629

REF: EGSPEC/MAY/2019

25/05/2019

To

Dr.S.Ramabalan
Principal
E.G.S.Pillay Engineering College
Nagapattinam
Tamilnadu-611002

Sir

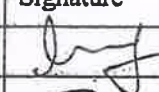
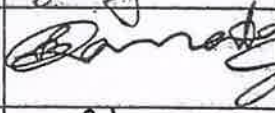
Sub: Consultancy work-reg

Consultancy second minutes of meeting conducted with below mentioned field experts as on date
10.6.2019.

Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.	02
3	Date	25.05.2019
4	No. of Attendees	1

Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	
2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	V.Sivaraman

SUN FIBER BOATS & SEAFOODS

No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN:33BJOPM7318D1Z7
Ph.8610447629

REF: EGSPEC/MAY/2019

25/05/2019

To

Dr.S.Ramabalan
Principal
E.G.S.Pillay Engineering College
Nagapattinam
Tamilnadu-611002

Sir

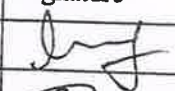
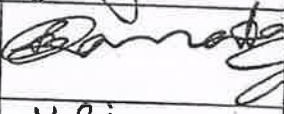
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2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	V.Sivaraman

SUN FIBER BOATS & SEAFOODS

No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,
Proprietor

GSTIN:33BJOPM7318D1Z7
Ph.8610447629

Certificate of Appreciation

On behalf of the company I sincerely thank the R&D department of E.G.S.Pillay Engineering College for their excellent consultancy work in manufacturing fibre boat as per our specific requirements I also thank the Principal Dr.S.Ramabalani and Dr.V.Sivaraman for their timely support and help in finishing the project on time. Our customer was very happy with the boat design and finishing. In future we request you to help to complete similar projects for our company.



For SUN FIBRE BOAT AND SEA FOODS

Authorized Signatory



1702EE302-DIGITAL ELECTRONICS		END SEMESTER EXAM																	
II/III-EEE																			
S.No	Reg.No	Question Number (Q)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	
		Course Outcome (CO)																	TOTAL
		Max Marks																	
1	E18EER001	Aakash M	0	0	0	0	0	0	0	0	0	0	10	10	0	0	10	20	50
2	E18EER002	Akash P	0	0	0	0	0	0	0	0	0	0	8	9	5	5	10	12	49
3	E18EER003	Akashraj A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A
4	E18EER004	Amirthavarshini P	2	2	2	2	2	2	2	2	2	2	10	10	10	10	10	18	88
5	E18EER005	Arunkumar R	1	0	1	1	0	1	1	0	1	1	4	10	3	10	8	18	60
6	E18EER006	Balaganesh S	2	2	2	2	2	1	2	2	2	2	10	10	7	10	7	18	81
7	E18EER007	Chozhan M	2	0	0	0	0	2	0	0	2	0	10	10	6	0	9	18	59
8	E18EER008	Deepak T	1	0	1	0	1	2	1	1	2	0	0	10	6	0	10	18	53
9	E18EER009	Dharik ahamed S	2	1	1	2	2	1	0	2	2	2	10	10	6	8	9	18	76
10	E18EER010	Dheepak ram R	0	0	0	0	1	0	0	0	1	1	10	10	8	0	8	18	57
11	E18EER011	Imran Nazir N	2	1	1	0	1	1	0	0	1	1	10	5	2	3	4	18	50
12	E18EER012	Ishwarya P	2	2	2	2	2	2	2	1	2	2	11	11	10	10	6	18	85
13	E18EER013	Jagatheesh R	1	0	2	1	1	1	1	1	1	1	5	10	0	0	10	18	53
14	E18EER014	Kalaiyarasan A	0	0	0	0	0	0	0	0	0	0	10	5	5	5	8	18	51
15	E18EER015	Kalidoss K	2	2	1	0	0	0	1	0	1	2	8	6	3	6	10	18	60
16	E18EER016	Kamalesh K	2	0	0	0	0	0	0	0	0	0	4	0	0	0	0	14	20
17	E18EER017	Keerthivasan B	0	0	0	0	0	2	0	0	1	2	8	8	8	0	8	18	55
18	E18EER018	Kevin Christopher A	2	0	0	0	2	0	0	0	2	2	10	7	10	0	0	18	53
19	E18EER019	Kirupakaran M	1	1	1	1	1	2	1	2	2	2	8	10	8	10	10	18	78
20	E18EER020	Kiruthiga S	2	2	2	2	2	2	2	2	2	2	10	10	10	10	8	18	86
21	E18EER021	Kumaravel M	1	0	0	1	0	0	0	0	0	0	10	10	5	8	10	18	63
22	E18EER022	Madesh B	0	0	0	0	0	0	0	0	0	0	10	4	0	0	10	18	42
23	E18EER023	Manikandan G	0	0	0	0	0	0	0	0	0	0	10	2	8	10	10	18	58
24	E18EER024	Muruges Kannan C	1	0	1	2	1	0	0	1	1	0	10	10	10	10	6	18	71
25	E18EER025	Muthudhinesh G	2	2	1	0	0	0	2	1	1	2	10	10	3	9	10	18	71
26	E18EER026	Prem P	2	1	1	1	1	2	1	1	1	2	10	10	0	6	10	18	67

CONSULTANCY PROJECT

DAMPNESS PAINTING TREATMENT WORK

CONSULTANCY IN-CHARGE

Dr.R.Sivakumar M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Prof.V.Srinivasan M.E.,

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

2017 – 2018

E G S PILLAY ENGINEERING COLLEGE

NAGAPATTINAM – 611 002

TAMI NADU

<http://www.egspec.org>

Ph.04365-251112

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02	Department Profile	02
03	Industry Requisition Letter	03
04	Acceptance Letter	04
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06	Project Proposal	15
07	Profile of the Project Co ordinator	18
08	Minutes of Meeting -2	1
09	Project Simulation Results	20
10	Project Completion Meeting	19
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E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



Ref.No: EGSPEC/MRW/2017/PO2/01


Date: 27.09.2017

Mr. S. BASKARAN
Village Director,
SOS Children's Village,
Nagapattinam - 611 001

Subject: Commercial Building Maintenance, Repair and Painting work.

We are Happy to inform you that we are doing Construction and Repair work for Commercial and Dampness arrest Painting work. Hence we request you to kindly give a positive response from your side. We enclosed the Broucher.

Thank You.


Yours faithfully,

(V. SRINIVASAN)

Contact Details,

V. SRINIVASAN

AP/CIVIL

E G S Pillay Engineering College,
Nagapattinam.

Mail : ikd070814@gmail.com

Contact : 7200621474



**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Oct 02nd 2017

Sir,

Sub: Treatment Painting Work – Reg.

Thank you for your interest. We received your requisition letter and we accept your request, This is to inform you that to give the permission to do the Dampness Arresting treatment painting work in SOS Village, Nagapattinam.

Please send your project proposal as early as possible.

Thanking You,

SOS Village Nagapattinam,
Club Road,

+611001,
5-248100
drensvillages.in

x. [Signature]

[Signature]

A loving home for every child

E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)
(Affiliated to Anna University Chennai)



Ref: EGSPEC / CW / 0710 / PO2 / 02

Date :07.10.17

M. S. BASKARAN
Village Director,
SOS Children's Village,
Nagapattinam - 611 001

Sr,

We are Happy to inform you that here with we attached complete project proposal for your reference and fix one date for discussing about the project details.

Thanking you.



V. Srinivasan
Yours faithfully,

(V.SRINIVASAN)

Contact Details,

V.SRINIVASAN

AP/CIVIL

E G S Pillay Engineering College,
Nagapattinam.

Mail : ikd070814@gmail.com

Contact : 7200621474



PROJECT PROPOSAL

01	Title of the project	DAMPNESS PAINTING TREATMENT WORK
02	Type of the project	CONSULTANCY WORK
03	Name & Designation of the project coordinators	Dr.R.Sivakumar Associate Professor/HoD-civil Mr.V.Srinivasan AP/civil
04	Postal address of the principal investigator	Old nagore Road, thethi village, Nagore-post, Nagapattinam-611002
05	Contact phone number of the project coordinators	Mr.V.SRINIVASAN Project coordinators Contact No.7200621474 Email:ikd070814@gmail.com
06	Name of the institution/Organization in which the project will be carried out	E.G.S Pillay Engineering College, Nagapattinam.
07	Name of the other client involved in the project	SOS Children's Village, Nagapattinam.
08	Duration of the project	Nov 2017 - Jun 2018 (8 months)
09	Total cost of project proposal(details to be furnished in the prescribed format)	Enclosed separately-Annexure 1
10	An abstract not exceeding one page describing the background, objectives methodology year wise budget	Enclosed separately-Annexure 2
11	Project work plan	Enclosed separately-Annexure 3
12	Facilities available at the Institution/Organization to carry out the project	Consistency Test
13	Expected outcome	Enclosed separately-Annexure 4

Place: Nagapattinam

Date: 7, 10, 17

(Signature)
Signature of the

Head of the Department
IVARUMAR, M.B.A., M.E., Ph.D.
Professor & Head,
Department of Civil Engineering,
PILLAY Engineering College,
Nagapattinam.

(Signature)
Signature of Consultant in charger



(Signature)
Signature of the
Head of the Institution

With seal
PRINCIPAL
E.G.S. Pillay Engineering College,
Nagapattinam.

**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Oct 12th 2017

Sir,

Sub: Discussion of Dampness Treatment Painting Work – Reg.

As per your request I will come and discuss with you on 15.10.2017. Kindly
arrange necessary documents for discussion.

Thanking You.

SOS Children's Village Nagapattinam,
17/1 Club Road,

Phone: 045-611001,
045-248100
Email: indians@soschildrensvillages.in

* *V. Srinivasan*

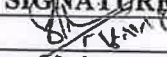
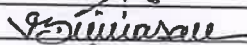

A. Bal

A loving home for every child

MINUTES OF MEETING - 1

PURPOSE OF MEETING	CONSULTANCY WORK
Project title	DAMPNESS PAINTING TREATMENT WORK
Project Reference No.	EGSPEC/CW/2019/PO1/01
Meeting No.	01
Date	18.11.18
No. of Attendees	03

MEMBERS PRESENT


SL.NO	NAME	DESIGNATION	SIGNATURE
01	Prof.R.Sivakumar	HoD / Civil	
02	V.Srinivasan	Professor / Civil	
03	S.Baskar	SoS / MD	

Point Discussed

- ❖ We discussed about the leaking of roof, tank, sump, etc., is a cause for immediate concern because small crack term into much ones in as little has a night.
- ❖ Gravity play on interesting roll in spreading crack and gravitational pressure is highest in roof top. Hence repairing requires is right at the moment.
- ❖ Consultancy in charge need to have a regular visit to Pondicherry where the problems arise.
- ❖ Every three months once, progress report about construction need to given by the Clint.

Minute by: V.Srinivasan




 HOD / CIVIL
 Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
 (Prof. R. Sivakumar)
 Professor & Head
 Department of Civil Engineering,
 E.G.S. PILLAY Engineering College,
 Nagappattinam.

E.G.S. PILLAY ENGINEERING COLLEGE,
OLD NAGORE ROAD,
NAGAPATTINAM, TAMIL NADU - 611002, INDIA
Tel: 91-4365-251112, 251114 Fax: 91-4365-251114
Email: principal.egspec@gmail.com Web: http://egspec.org

FORM NO. CW/F-01

Ref.No.EGSPEC/MPW/2017/PO2/01

For Office Use Only

Project Assignment Proposal and Agreement Form

PART-A

THE PROJECT *(Kindly fill in BLOCK letters)*

**DAMPNESS ARRESTING TREATMENT PAINTING WORK IN SOS VILLAGE -
NAGAPATTINAM**

AGENT INCHARGE

V SRINIVASAN Designation: ASSISTANT PROFESSOR
Institute/Centre: CIVIL / EGSPEC NAGAPATTINAM
Mobile: 72006 21474 Email: ikd070814@gmail.com

PROPOSED TIME SCHEDULE

Years	Months	Weeks	Starting Date:
- Jun 2018 00	08		10/09/2017

CLIENT DETAILS *(Kindly fill in BLOCK letters)*

M/s SOS Children's village

Contact Person's Name: Mr. S.BASKARAN

54, Bungalow club rd,
Kadambady, Nagapattinam.

Designation: Village Director

04365-
248100

Fax

Web: soschildrensvillages.in

TERMS AND CONDITIONS OF PAYMENT DETAILS

Payment: → By Cheque By Draft Telegraphic Transfer
→ Indian Rupees Foreign → Country: Currency:
enclosed: → Full Payment Part Payment
Total Value (in figures) **SEVEN LAKHS**

AND TWENTY THOUSAND ONLY

Bank's Name and Branch :

DD/Cheque No.

DD/Cheque Amount : 720000/-

DD/Cheque Date:

ATTACHMENTS OF THE PROJECT *(attach separate sheet, if necessary)*

AGREEMENT BETWEEN CLIENTS

This agreement is subject to the Standard Terms and Conditions (Annexure) for undertaking projects at EGS Pillay Engineering College, Nagapattinam. Signatures of the client may be obtained and submitted on the Standard Terms & Conditions to certify that he/she has gone through these and agrees to be bound by them.

Signature of the In-charge *Srinivasan*

Date:

PART - B

DETAILS OF THE CONSULTANT INCHARGE AND CO-CONSULTANT INCHARGES(S)

	Employee's Name	Designation	Department	Signature
CI:	Dr. R.SIVAKUMAR	HOD	CIVIL	
Co-CI:	Mr. V.SRINIVASAN	ASST.PROFESSOR	CIVIL	<i>V. Srinivasan</i>
Co-CI:	Mr.S.BASKARAN	MD	SOS VILLAGE	<i>S. Bal</i>
Co-CI:				

TYPE OF PROJECT (Please any one of the following)

Type A: Product/Process development and advice/report based on significant research and development.
 Type B*: Testing and Interpretation, Design Checking etc.

*Head of the Dept. will decide, if the consultancy falls in the Type B category. In case of a doubt, Principal will decide the classification in consultation with the CI and the concerned Head of the Dept.

TYPE OF THE CLIENT ORGANISATION (Please any one of the following)

Private Sector : YES Public Sector Govt. Sector Foreign Organization

BREAK UP OF TOTAL CHARGES

	Budget Head Description	Budget Code	Amount (Rupees)
(I)	EXPENSES Recurring/Non-Recurring (Salary/Cost of Labour, Honorarium to Staff/Outside Consultants, Travel, Contingency, Consumables, Equipments, Materials, etc.)	EXPENSES	580000.00
(II)	FEE FOR SCIENTIFIC & TECHNICAL ADVICE	FEESTA	108400.00
(III)	INSTITUTE CHARGES (Type A: 10% of (I) + 50% of (II), Type B: 10% of (I) + 100% of (II))	INSTOHS	10000.00
(IV)	TOTAL CHARGES (I+II+III)		698400.00
(V)	SERVICE TAX @ 12% OF IV(Total Charges)		
(VI)	EDUCATION CESS @ 3% OF V(Service Tax)		21600.00
(VII)	GROSS AMOUNT (IV+V+VI)		720000.00

[Signature]
DR. SIVAKUMAR, M.B.A., M.E., P.H.D.
 Professor & Head,
 Department of Civil Engineering,
 S.S. PILLAY Engineering College,
 Nagapattinam.



[Signature]
 Signature of the In-charge
 Date: 15.10.17

ANNEXURE FOR
FORM NO.CW/F-02 (CONSULTANCY FORM)



E.G.S. PILLAY ENGINEERING COLLEGE,

**OLD NAGORE ROAD,
NAGAPATTINAM, TAMIL NADU - 611002, INDIA**

Tel: 91-4365-251112, 251114 Fax: 91-4365-251114

Email: principal.egspec@gmail.com Web: http://egspec.org

STANDARD TERMS AND CONDITIONS OF CONTRACT FOR CONSUTANCY

Title of the Consultancy Job:

Dampness Arresting Treatment Painting Work in SOS Village - Nagapattinam

Name & Address of the Client: Mr.S.BASKARAN, MD, SOS VILLAGE, NAGAPATTINAM.

Name and Dept. of the In-charge:

V.SRINIVASAN, AP/Civil, EGSPEC, Nagai.

The Institute through the CI/Co-CI will plan the Project in consultation with the Client. These terms and conditions govern projects for the development of products, processes, field studies, model studies, calculations, economic and technical consulting and other forms of project of specific interest to the client. The conditions are binding unless otherwise agreed upon in a separate signed document.

1. **DECLARATION:** All work undertaken by the Consultant In-charge (CI)/Co-Consultant In-charge (Co-CI) at EGS Pillay Engineering College, Nagapattinam (EGSPEC, Nagai) as part of the project will be in good faith and based on material/data/other relevant information given by the client requesting for the work.
2. **RESPONSIBILITY/LIABILITY:** The Institute through CI/Co-CI undertakes to carry out the project as conscientiously as conditions allow, but accepts no economic responsibility whatsoever, should the work not lead to expected results. EGSPEC, Nagai shall not be held liable for any loss, damage, delay or failure of performance, resulting directly or indirectly from any cause, which is beyond its reasonable control (Force Majeure). The liability of EGSPEC, Nagai shall be limited to the funds received for the project.
3. **DISCRETION:** The Institute through CI/Co-CI undertakes to handle with discretion reports, results, the identity of the Client and all material specifically treated/marked confidential which the client places at the disposal of the CI/Co-CI in connection with the project at EGSPEC, Nagai, subject to Right to Information rules/regulations.
4. **SUB-CONTRACTING:** The Institute reserves the right to allow any work in connection with the project, experimental or otherwise, to be carried out by a third party as per Institute norms and procedures, provided this does not result in the danger of information of a confidential nature coming into the hands of unauthorized persons.
5. **RESULT OF THE PROJECT:** The results of all work done at the Institute by the CI/Co-CI in connection with the project, incorporated in written reports shall remain the property of the Client. Results arrived at with little or no involvement on the part of the Client are available free of charge for the Client's own use. However, the CI/Co-CI/Institute reserves the right to use such results in connection with activities outside the scope of the project. If the Client consists of several individuals, all questions of Client, rights between the Clients must be settled between such individuals, and are of no concern to the CI/Co-CI/Institute. Unless otherwise agreed, all reports are to be sent to the Client. The CI/Co-CI/Institute has the right to retain a copy.

6. **INTELLECTUAL PROPERTY RIGHTS:** All rights pertaining to any intellectual property generated/ created/invented in the due course of the project, will be the joint property of EGSPEC, Nagai and the Client. Terms and conditions regarding transferring/assigning/selling these rights to the Client shall be governed by a separate written agreement if required.
7. **PUBLISHING THE RESULTS/OUTCOME OF THE CONSULTANCY:** The results/outcome of the consultancy shall not be exploited by the Client organization for its business interests by using EGSPEC, Nagai's name/logo through press advertisement/publicity material or in any other manner. Manuscripts of academic papers, brochures, advertisements or other form of published material which refer to or quote the proprietary results of the project shall be vetted by both parties before publication.
8. **COMMUNICATION OF RESULTS TO A THIRD PARTY:** The CI/Co-CI may not, without the written agreement of the Client, communicate the results of the project to a third party. The Client shall arrange the necessary written agreement of all parties on the Client's side who may have publication rights with respect to the project.
9. **PROJECTS FOR OTHER CLIENTS:** The Institute may undertake other projects in the same field provided – to the best of its knowledge and belief – there exists no danger of information of a confidential nature coming into hands of a third party.
10. **APPARATUS:** Instruments and/or equipment obtained in connection with the project and charged to the client remain the property of EGSPEC, Nagai, unless otherwise it is specifically agreed to by the Institute.
11. **TERMINATION OF THE PROJECT:** The Client has a right to terminate the project at any time, but shall be liable for all reasonable expenses incurred in connection with halting work already in progress according to the agreed work programme. The decision of EGSPEC, Nagai shall be final as far as reasonableness of the expenses is concerned. The Institute has also the right to terminate the project at any time except where otherwise agreed upon. The Client in this case will not be liable for any expenses incurred after the termination.
12. **PAYMENT:** The payment of consultation charges to EGSPEC, Nagai are to be made in advance and in full before the start of the project, through a demand draft/crossed valid cheque drawn in favour of the Principal, EGS Pillay Engineering College, Nagapattinam and sent to the Consultant. The charges will also include any applicable tax as prescribed by the Government of India or the Government of Tamil Nadu (or any other statutory body) from time to time.
13. **DISPUTES:** In the event of any dispute or difference between the parties hereto, such dispute or differences shall be resolved amicably by mutual consultation. If such resolution is not possible, then the unresolved dispute or difference shall be referred to a sole arbitrator to be nominated by the Director of the Institute for a reasoned Award. The seat of arbitration shall be within the campus of EGSPEC, Nagai and the language of arbitration shall be English. The Award of the arbitrator shall be binding on the parties to the dispute.
14. **DISCLAIMER:** The report on the consultancy project is the technical opinion of the CI/Co-CI based on his/their expertise in the particular area of research and in no way reflects the view(s) of EGSPEC, Nagai. EGSPEC, Nagai is not responsible for the accuracy or completeness of the report and the role of the Institute is limited to providing administrative support to the project.
15. **SERVICE TAX:** As per Service Tax Act of G.O.I., the service tax plus education cess will be levied on total consultancy charges and this amount is to be borne by the Client (The Service Tax applicable today is 12.36%).

V. Srinivasan
V.SRINIVASAN

Name & Signature of Incharge

(with office seal)

L. Bal

Name & Signature of Client

(with office seal)

Date: 18/08/2017
Place:
NAGAPATTINAM



Annexure-1

DETAILS OF BUDGET

SI.NO	DISCRIPTION	TOTAL
A	Payment for consultancy in charger for 240 R.ft(Rs.3200 / R.ft)	5,80,000.00
B	Equipment, Materials testing, etc.,	23,000.00
C	Consumable and labour charges	97,000.00
D	Travel, Contingency, etc.,	10,000.00
E	Total of A+B+C+D	7,10,000.00
F	Institutional overhead (Including service Tax, Education cuss, etc.)	10,000.00
G	Total cost of project(E+F)	7,20,000.00


Annexure-2

ABSTRACT

Project Coordinator : V.Srinivasan M.E., Assistant Professor
Project Name : Dampness Treatment Painting Work
Name of the company : SOS Village, Nagapattinam.
Name of the Work : Consultation and supervision

1. In the construction Dampness use one of the main problem. In SOS Children's village consistency working leakage in the Existing Buildings and basement etc.,. The approached for a consultation recording Dampness problem. I accepted and provide them a consultation with treatment painting coated to arresting Dampness .the consultation charge is 60000.00Rs./ Unit Rate. The total length is 12 Units for this project and the payment Rs.720000/-get in the form of 3 part of Payment cheque from the SOS Children's Village, Nagapattinam.




Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
Professor & Head,
Department of Civil Engineering,
E.G.S. PILLAY Engineering College,
Nagapattinam.

WORK PLAN

METHODOLOGY

This is the case study of arrest the Dampness of building coastal region. It also involves analysis, evaluation and finds solution for the durability problems in Dampness in the Cottages.

Among them educational building, residential buildings, public building are included.

The building surveyed is situated at the distance around 3km.

During survey many type of cracks, corrosion and patches are identified.

OBJECTIVES

Increase the durability and strengthening of existing Unit Walls . Newly Painted treatment the Walls Post retro fitting's elevation for behaviour of the structure health assessment of the existing structure in adherence with latest tools.

CONSTRUCTION MATERIALS

Plaster of Parry's

Thinner

Warnish

Primer and Distemper with Dr. Fixit Lotion

Water

AGGREGATE EXPENSIONS

Magnesium carbonate compounds react with hydroxyl ions yields magnesium Hydroxide and carbonite ion.

These cause destruction of material. Mechanical damage erosion may occur.

EXPECTED OUTCOMES

- ❖ Dampness problem permanently solved.
- ❖ Preventive measures were given.
- ❖ 15 % of maintenance cost will be saved.
- ❖ Durability of the structure will be extended.

2.Bio-Data of the coordinators



1. Name : V.Srinivasan
2. Gender : Male
3. Date of Birth : 05.07.1978
4. Designation & Affiliation : Assistant Professor / civil
5. Postal Address : 139/2, Vicknapuram, Avaranipuducherry post, Sikkal-via, Nagapattinam-DT, PIN-611108
6. Contact Number : 72006 21474
7. Email Id : ikd070814@gmail.com
8. Field Experience : 14 years in planning & execution
9. Qualification

Sl.No.	Degree	Institution	Year
01	B.E., CIVIL	Raja college of Engg&Tech., Madurai	2001- 2004
02	M.E., Struct	SRV Engg. College. Sembodai. Nagapattinam	2015 - 2017

10. Employment Experience : 14 Months (E.G.S Pillay Engineering College, Nagapattinam)



Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
Professor & Head,
Department of Civil Engineering,
E.G.S. PILLAY Engineering College,
Nagapattinam.

EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM



**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Nov 15th 2017

Sir,

I would like to express my greetings and wishes to Mr.V.Srinivasan our consultant for Dampness Treatment. We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 20,000/- towards consultation fee.

Payment details,

Two Part of Bill payments.

First Bill Payment

A/c Number	:	0052053000103871
Cheque No.	:	005596
Date	:	03.11.2017
Bank	:	South Indian Bank
Amount	:	3,20,000/-

SOS Children's Village Nagapattinam.
Bungalow Club Road,
Madambady,
Nagapattinam-611001.
Tel: +91-4365-248100
www.soschildrensvillages.in

V. Srinivasan

A. Bal

A loving home for every child



**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Jul 15th 2018

Sir,

I would like to express my greetings and wishes to Mr. V.Srinivasan our consultant for Dampness Treatment. We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 20,000/- towards consultation fee.

Payment details,

Second & Final Bill Payment

A/c Number	:	0052053000103871
Cheque No.	:	378900
Date	:	05.07.2018
Bank	:	South Indian Bank
Amount	:	4,00,000/-

x *V. Srinivasan*

A. Bal



**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Jul 15th 2018

Sir,

I would like to express my greetings and wishes to Mr.V.Srinivasan our consultant for Dampness Treatment. We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 20,000/- towards consultation fee.

Payment details,

Second & Final Bill Payment

A/c Number	:	0052053000103871
Cheque No.	:	378900
Date	:	05.07.2018
Bank	:	South Indian Bank
Amount	:	4,00,000/-

V. Srinivasan

A. Bal



**SOS CHILDREN'S
VILLAGES
INDIA**

THREE MONTHS PROGRESS REPORT

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, June 24th 2018

Sir,

S.No	DATE	MEMBERS	LOCATION	SIGNATURE
01	Nov 22' 2017	V.Srinivasan	SOS Village, Nagai	<i>V. Bal</i>
02	Feb 22' 2018	V.Srinivasan	SOS Village, Nagai	<i>V. Bal</i>
03	Jun 20' 2018	V.Srinivasan	SOS Village, Nagai	<i>V. Bal</i>

1. We will test the quality the quality may become bad due to bad weather like rain storm, high wind etc. We will analyses the quality every three months after Painting the Housing Units .
2. If required we will replace asphalt shingle due to wear and tear.
3. Periodically we will check the ventilation of to help prevent cracks and off of shingles.

V. Srinivasan

V. Bal



दिसाळ्य इन्डियन बँक लिमिटेड
 The South Indian Bank Limited
 NEELA SOUTH STREET, NAGAPATTINAM - 611 001
 IFSC: SIBL0000052

Valid for three months only

0 3 1 1 2 0 1 7
 D D M M Y Y Y Y

Pay V.SRINIVASAN

वा धारक को or Bearer

रुपये Rupee THREE LAKHS AND TWENTY THOUSAND ONLY

अदा करे ₹ 3,20,000.00

A/c. No. 0052053000103871

Chq.No. : 01005596

For SOS CHILDRENS VILLAGES OF INDIA-NAGAPATTINAM

AA0419 "Payable at all branches"

SB PRIVILEGE

[Signature]

[Signature]
 Authorised Signatory

Please sign above

⑈005596⑈ 611059002⑈ 999901⑈ 31

Bank Name : Lakshmi vilas Bank – Nagapattinam
 Payable at : Principal EGS Pillay Engg.College, Nagapattinam
 A/C Number : 0486 3600 0000 0198
 Collection Details : Cheque
 Date : 03.11.2017
 Cheque Number : 005596
 Amount : 3,20,000/-

[Signature]
 ACCOUNTS OFFICE
 EGS PILLAY ENGINEERING COLLEGE
 NAGAPATTINAM - 611 002,



दरिद्रास इन्डियन बैंक लिमिटेड
The South Indian Bank Limited
NEELA SOUTH STREET, NAGAPATTINAM - 611 001
IFSC: SIBL0002052

Valid for three months only

0 5 0 7 2 0 1 8
D D M M Y Y Y Y

Pay V.SRINIVASAN

या धारक को or Bearer

रुपये Rupee FOUR LAKHS ONLY

अदा करें ₹ 4,00,000.00

A/c. No. 0052053000103871

For SOS CHILDRENS VILLAGES OF INDIA-NAGAPATTINAM

A/c PAYEE ONLY

SB PRIVILEGE

[Signature]

[Signature]

Sr. Co-Worker Finance

Village Authorized Signatory
Please sign above

MSL/V " Payable at all branches "

⑈ 378900 ⑆ 04863600000198 ⑆ 05072018 ⑆ 31

Payable at : Principal EGS Pillay Engg.College, Nagapattinam
A/C Number : 0486 3600 0000 0198
Collection Details : Cheque
Date : 05.07.2018
Cheque Number : 378900
Amount : 4,00,000/-

[Signature]
ACCOUNTS OFFICE
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.


DEPARTMENT OF CIVIL ENGINEERING

UTILIZATION CERTIFICATE


Name of the project	DAMPNESS PAINTING TREATMENT WORK
Name of the coordinators	V.Srinivasan
Name of the Agency	SOS Village, Nagapattinam
Type of Project	Consultancy Project
Duration	Nov 2017 – Jun 2018
Project cost	7,20,000 /-

This certificate is an acknowledgement of the expenditure incurred in executing the minor project mentioned above. The Accounts duly submitted to the R&D cell and verified by the principal.

Sl.No.	Itemized list of expenses incurred	Amount (Rs)
1	Project construction and Materials (Rs 50966.67 * 12 Units)	611600.00
2	Remuneration for two project coordinators(8 months*Rs.2200/Pm)*4	70400.00
3	Remuneration for technical Assistant(8 months*Rs.850/Pm)*2	13600.00
4	Remuneration for student intern	10400.00
5	Travel	5000.00
6	Institution over head(Including service tax, Education cuss, etc)	9000.00
7	Total expenses incurred	108400.00
	Income generated through consultancy (1 + 7)	720000.00


Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
 Professor & Head,
 Department of Civil Engineering,
 E.G.S. PILLAY Engineering College,
 Nagapattinam.




PRINCIPAL
 E.G.S. Pillay Engineering College,
 Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: CIVIL

Lab/WS: Consultancy work for SAs

VOUCHER

Vr. No.:

Date: 10.7.18


Particulars		Rs.	Ps.
Paid to Thru <u>V. Srinivasan</u>			
Towards <u>Remuneration</u>			
A sum of Rupees <u>13,000/- (Thirteen thousand only)</u>		13,000	00
Received payment		13,000	00

Signature of Payee: [Signature]

Signature of Secretary: [Signature] Secretary

Signature of Principal: [Signature] Principal

ACCOUNTS OFFICE
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002



E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: CIVIL

Lab/WS: Consultancy work for SAs

VOUCHER

Vr. No.:

Date: 27.11.17


Particulars		Rs.	Ps.
Paid to Thru <u>V. Srinivasan</u>			
Towards <u>Remuneration</u>			
A sum of Rupees <u>12,500/- (Twelve thousand five hundred)</u>		12500	
Received payment		12500	

Signature of Payee: [Signature]

Signature of Secretary: [Signature] Secretary

Signature of Principal: [Signature] Principal

ACCOUNTS OFFICE
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002



E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: CIVIL

Vr. No.:

VOUCHER

Lab/WS: *Consultancy work SOS*

Date: *10.7.18*

Particulars	Rs.	Ps.
Paid to Thiru <i>Alamelumangai (in civil)</i>		
Towards <i>Remuneration</i>		
A sum of Rupees <i>Five thousand and Eight</i>	5,800	00
<i>Handed over by</i>		
Received payment	5,800	00

Received payment

Signature of Payee *[Signature]*
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

ACCOUNTS OFFICE

Accounts Super. *[Signature]*
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

[Signature]
Principal

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: CIVIL

Vr. No.:

VOUCHER

Lab/WS: *consultancy work SOS*

Date: *7.11.17*

Particulars	Rs.	Ps.
Paid to Thiru <i>Alamelumangai (in civil)</i>		
Towards <i>Remuneration</i>		
A sum of Rupees <i>Eight thousand and Five</i>	8,500	
<i>Handed over by</i>		
Received payment	8,500	

Received payment

Signature of Payee *[Signature]*
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

ACCOUNTS OFFICE

Accounts Super. *[Signature]*
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

[Signature]
Principal

CONSULTANCY PROJECT

RCC RETAINING WALL TO ARREST WATER SEEPAGE IN THE NORTH SIDE POND

CONSULTANCY IN-CHARGE

Dr.R.Sivakumar M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Prof.V.Srinivasan M.E.,

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

2017 – 2018

E G S PILLAY ENGINEERING COLLEGE

NAGAPATTINAM – 611 002

TAMILNADU

<http://www.egspeg.org>

Ph.04365-251112

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E. G.S.PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi, Approved by Govt.of Tamil Nadu)
(Affiliated to Anna University Chennai)



Ref.No: EGSPEC/MRW/2017/PO2/01

Date: 25.07.2017

to

Mr.S.BASKARAN
Village Director,
W/s SOS Children's Village,
Nagapattinam - 611 001

re,

Subject: Commercial Building Maintenance, Repair and Retaining wall work.

We are Happy to inform you that we are doing Construction and Repair work for commercial and Retaining wall work. Hence we request you to kindly give a positive response from your side. We enclosed the Broucher.

Thank You.



V.Srinivasan
Yours faithfully,

(V.SRINIVASAN)

Contact Details,

V.SRINIVASAN
AP/CIVIL
E G S Pillay Engineering College,
Nagapattinam.
Mail : ikd070814@gmail.com
Contact : 7200621474





E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



Ref.No: EGSPEC/MRW/2017/PO2/01

Date: 25.07.2017

To

Mr.S.BASKARAN
Village Director,
M/s SOS Children's Village,
Nagapattinam – 611 001

Sir,

Sub: Commercial Building Maintenance, Repair and Retaining wall work.

We are Happy to inform you that we are doing Construction and Repair work for commercial and Retaining wall work. Hence we request you to kindly give a positive response from your side. We enclosed the Broucher.

Thank You.




V. Srinivasan
Yours faithfully,

(V.SRINIVASAN)

Contact Details,

V.SRINIVASAN
AP/CIVIL
E G S Pillay Engineering College,
Nagapattinam.
Mail : ikd070814@gmail.com
Contact : 7200621474



 **SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Aug 01st 2017

Sir,

Sub: RCC Retaining wall work - Reg.

Thank you for your interest. We received your requisition letter and we accept your request, This is to inform you that to give the permission to do the new RCC retaining wall to arrest water seepage in the North side pond in SOS Village, Nagapattinam.

Please send your project proposal as early as possible.

Thanking You,

SOS Village Nagapattinam,
Club Road,

+91 811001.
+91 248100
srensvillages.in

V. Srinivasan

A. Bal

A loving home for every child



E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt.of Tamil Nadu)

(Affiliated to Anna University Chennai)



Ref: EGSPEC / CW / 0508 / PO2 / 02

Date :05.08.17

To

Mr.S.BASKARAN

Village Director,

M/s SOS Children's Village,

Nagapattinam - 611 001

Sir,

We are Happy to inform you that here with we attached complete project proposal for your reference and fix one date for discussing about the project details.

Thanking you.

V.Srinivasan
Yours faithfully,

(V.SRINIVASAN)

Contact Details,

V.SRINIVASAN

AP/CIVIL

E G S Pillay Engineering College,

Nagapattinam.

Mail : ikd070814@gmail.com

Contact : 7200621474



PROJECT PROPOSAL

01	Title of the project	RCC Retaining Wall to Arrest Water Seepage in the North side Pond .
02	Type of the project	CONSULTANCY WORK
03	Name & Designation of the project coordinators	Dr.R.Sivakumar Associate Professor/HoD-civil Mr.V.Srinivasan AP/civil
04	Postal address of the principal investigator	Old nagore Road, thethi village, Nagore-post, Nagapattinam-611002
05	Contact phone number of the project coordinators	Mr.V.SRINIVASAN Project coordinators Contact No.7200621474 Email:ikd070814@gmail.com
06	Name of the institution/Organization in which the project will be carried out	E.G.S Pillay Engineering College, Nagapattinam.
07	Name of the other client involved in the project	SOS Children's Village, Nagapattinam.
08	Duration of the project	Oct 2017- May 2018 (8 months)
09	Total cost of project proposal(details to be furnished in the prescribed format)	Enclosed separately-Annexure 1
10	An abstract not exceeding one page describing the background, objectives methodology year wise budget	Enclosed separately-Annexure 2
11	Project work plan	Enclosed separately-Annexure 3
12	Facilities available at the Institution/Organization to carry out the project	Concrete lab, Consistency Test
13	Expected outcome	Enclosed separately-Annexure 4

Place: Nagapattinam

Date: 05.08.17.

Signature of the
Dr. R. Sivakumar, M.B.A., M.E., Ph.D.
Professor & Head
Department of Civil Engineering,
E.G.S Pillay Engineering College,
Nagapattinam.

Signature of Consultant in charge



Signature of the
Head of the Institution



With seal
PRINCIPAL
E.G.S. Pillay Engineering College,
Nagapattinam.



**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Aug 7th 2017

Sir,

Sub: Discussion of Newly construct the Retaining Wall Structure – Reg.

As per your request I will come and discuss with you on 10.08.2017. Kindly
arrange necessary documents for discussion.

Thanking You.

SOS Children's Village Nagapattinam,
V Club Road,

+611001.
5-248100
srensvillages.in

V. Srinivasan


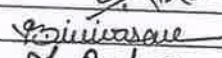
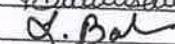
A. Bal

A loving home for every child

MINUTES OF MEETING - 1

PURPOSE OF MEETING	CONSULTANCY WORK
Project title	RCC Retaining Wall to Arrest Water Seepage in the North side Pond.
Project Reference No.	EGSPEC/CW/2019/PO2/01
Meeting No.	01
Date	12.05.18
No. of Attendees	03

MEMBERS PRESENT

SL.NO	NAME	DESIGNATION	SIGNATURE
01	Prof.R.Sivakumar	HoD / Civil	
02	V.Srinivasan	Professor / Civil	
03	S.Baskar	SoS / MD	

Point Discussed

- ❖ We discussed about the leaking of roof, tank, sump, etc., is a cause for immediate concern because small crack term into much ones in as little has a night.
- ❖ Gravity play on interesting roll in spreading crack and gravitational pressure is highest in roof top. Hence repairing requires is right at the moment.
- ❖ Consultancy in charge need to have a regular visit to Pondicherry where the problems arise.
- ❖ Every three months once, progress report about construction need to given by the Clint.

Minute by: V.Srinivasan




 HOD / CIVIL
Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
Professor & Head,
Department of Civil Engineering,
E.G.S. PILLAY Engineering College,
Nagappattinam.



E.G.S. PILLAY ENGINEERING COLLEGE,
OLD NAGORE ROAD,
NAGAPATTINAM, TAMIL NADU - 611002, INDIA
 Tel: 91-4365-251112, 251114 Fax: 91-4365-251114
 Email: principal.egspec@gmail.com Web: http://egspec.org

FORM NO. CW/F-01

Ref.No.EGSPEC/MPW/2017/PO2/01

For Office Use Only

Project Assignment Proposal and Agreement Form

PART-A

NAME OF THE PROJECT *(Kindly fill in BLOCK letters)*

RCC RETAINING WALL TO ARREST WATER SEEPAGE IN THE NORTH SIDE POND IN SOS VILLAGE - NAGAPATTINAM

PERSON IN CHARGE

Name: **V SRINIVASAN** Designation: **ASSISTANT PROFESSOR**
 Department/Centre: **CIVIL / EGSPEC** **NAGAPATTINAM**
 Phone: Mobile: **72006 21474** Email: **ikd070814@gmail.com**

STARTED TIME SCHEDULE

Start Date: **07 - May 2018** Years: **00** Months: **08** Weeks: _____ Starting Date: **10/08/2017**

CLIENT DETAILS *(Kindly fill in BLOCK letters)*

Name: **M/s SOS Children's village** Contact Person's Name: **Mr. S.BASKARAN**
 Address: **54, Bungalow club rd, Kadambady, Nagapattinam.** Designation: **Village Director**
 Phone: **04365-248100** Fax: _____ Web: **soschildrensvillages.in**

CHARGES AND PAYMENT DETAILS

Payment: → **By Cheque** **By Draft** **Telegraphic Transfer**
 Currency: → **Indian Rupees** **Foreign → Country:** _____ **Currency:** _____
 Payment enclosed: → **Full Payment** **Part Payment**
 Total Value (in figures) /-: _____ **Total Value (in words) SEVEN LAKHS AND SIXTY EIGHT THOUSAND ONLY** Bank's Name and Branch : _____
 Cheque No. _____ DD/Cheque Amount : **768000/-** DD/Cheque Date: _____

AGREEMENT OF THE PROJECT *(attach separate sheet, if necessary)*

AGREEMENT BETWEEN CLIENTS

This agreement is subject to the Standard Terms and Conditions (Annexure) for undertaking projects at EGS Pillay Engineering College, Nagapattinam. Signatures of the client may be obtained and submitted on the Standard Terms & Conditions to certify that he/she has gone through these and agrees to be bound by them.

Signature of the In-charge: *[Handwritten Signature]*
 Date: _____



PART - B

DETAILS OF THE CONSULTANT INCHARGE AND CO-CONSULTANT INCHARGES(S)

	Employee's Name	Designation	Department	Signature
	Dr. R.SIVAKUMAR	HOD	CIVIL	
-CI:	Mr. V.SRINIVASAN	ASST.PROFESSOR	CIVIL	<i>V. Srinivasan</i>
-CI:	Mr.S.BASKARAN	MD	SOS VILLAGE	
-CI:				

TYPE OF PROJECT (Please any one of the following)

Type A: Product/Process development and advice/report based on significant research and development.

Type B**: Testing and Interpretation, Design Checking etc.

*Head of the Dept. will decide, if the consultancy falls in the Type B category. In case of a doubt, Principal will decide the classification in consultation with the CI and the concerned Head of the Dept..

SECTOR OF THE CLIENT ORGANISATION (Please any one of the following)

Private Sector : YES Public Sector Govt. Sector Foreign Organization

BREAK UP OF TOTAL CHARGES

	Budget Head Description	Budget Code	Amount (Rupees)
(I)	EXPENSES Recurring/Non-Recurring (Salary/Cost of Labour, Honorarium to Staff/Outside Consultants, Travel, Contingency, Consumables, Equipments, Materials, etc.)	EXPENSES	589000.00
(II)	FEE FOR SCIENTIFIC & TECHNICAL ADVICE	FEESTA	145410.00
(III)	INSTITUTE CHARGES (Type A: 10% of (I) + 50% of (II), Type B: 10% of (I) + 100% of (II))	INSTOHS	10550.00
(IV)	TOTAL CHARGES (I+II+III)		744960.00
(V)	SERVICE TAX @ 12% OF IV(Total Charges)		
(VI)	EDUCATION CESS @ 3% OF V(Service Tax)		23040.00
(VII)	GROSS AMOUNT (IV+V+VI)		768000.00

[Signature]
Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
 Professor & Head,
 Department of Civil Engineering,
 E.G.S. PILLAY Engineering College,
 Nagappattinam.



[Signature]
 Signature of the In-charge
 Date: 12.5.17

ANNEXURE FOR
FORM NO.CW/F-02 (CONSULTANCY FORM)



E.G.S. PILLAY ENGINEERING COLLEGE,

**OLD NAGORE ROAD,
NAGAPATTINAM, TAMIL NADU - 611002, INDIA**

Tel: 91-4365-251112, 251114 Fax: 91-4365-251114

Email: principal.egspec@gmail.com Web: http://egspec.org

STANDARD TERMS AND CONDITIONS OF CONTRACT FOR CONSULTANCY

Title of the Consultancy Job:

**RCC Retaining wall to Arrest Water seepage in the north side Pond in SOS Village -
Nagapattinam**

Name & Address of the Client: Mr.S.BASKARAN, MD, SOS VILLAGE, NAGAPATTINAM.

Name and Dept. of the In-charge:

SRINIVASAN, AP/Civil, EGSPEC, Nagai.

The Institute through the CI/Co-CI will plan the Project in consultation with the Client. These terms and conditions govern projects for the development of products, processes, field studies, model studies, calculations, economic and technical consulting and other forms of project of specific interest to the client. The conditions are binding unless otherwise agreed upon in a separate signed document.

DECLARATION: All work undertaken by the Consultant In-charge (CI)/Co-Consultant In-charge (Co-CI) at EGS Pillay Engineering College, Nagapattinam (EGSPEC, Nagai) as part of the project will be in good faith and based on material/data/other relevant information given by the client requesting for the work.

RESPONSIBILITY/LIABILITY: The Institute through CI/Co-CI undertakes to carry out the project as conscientiously as conditions allow, but accepts no economic responsibility whatsoever, should the work not lead to expected results. EGSPEC, Nagai shall not be held liable for any loss, damage, delay or failure of performance, resulting directly or indirectly from any cause, which is beyond its reasonable control (Force Majeure). The liability of EGSPEC, Nagai shall be limited to the funds received for the project.

DISCRETION: The Institute through CI/Co-CI undertakes to handle with discretion reports, results, the identity of the Client and all material specifically treated/marked confidential which the client places at the disposal of the CI/Co-CI in connection with the project at EGSPEC, Nagai, subject to Right to Information rules/regulations.

SUB-CONTRACTING: The Institute reserves the right to allow any work in connection with the project, experimental or otherwise, to be carried out by a third party as per Institute norms and procedures, provided this does not result in the danger of information of a confidential nature coming into the hands of unauthorized persons.

RESULT OF THE PROJECT: The results of all work done at the Institute by the CI/Co-CI in connection with the project, incorporated in written reports shall remain the property of the Client. Results arrived at with little or no involvement on the part of the Client are available free of charge for the Client's own use. However, the CI/Co-CI/Institute reserves the right to use such results in connection with activities outside the scope of the project. If the Client consists of several individuals, all questions of Client, rights between the Clients must be settled between such individuals, and are of no concern to the CI/Co-CI/Institute. Unless otherwise agreed, all reports are to be sent to the Client. The CI/Co-CI/Institute has the right to retain a copy.

6. **INTELLECTUAL PROPERTY RIGHTS:** All rights pertaining to any intellectual property generated/created/invented in the due course of the project, will be the joint property of EGSPEC, Nagai and the Client. Terms and conditions regarding transferring/assigning/selling these rights to the Client shall be governed by a separate written agreement if required.
7. **PUBLISHING THE RESULTS/OUTCOME OF THE CONSULTANCY:** The results/outcome of the consultancy shall not be exploited by the Client organization for its business interests by using EGSPEC, Nagai's name/logo through press advertisement/publicity material or in any other manner. Manuscripts of academic papers, brochures, advertisements or other form of published material which refer to or quote the proprietary results of the project shall be vetted by both parties before publication.
8. **COMMUNICATION OF RESULTS TO A THIRD PARTY:** The CI/Co-CI may not, without the written agreement of the Client, communicate the results of the project to a third party. The Client shall arrange the necessary written agreement of all parties on the Client's side who may have publication rights with respect to the project.
9. **PROJECTS FOR OTHER CLIENTS:** The Institute may undertake other projects in the same field provided – to the best of its knowledge and belief – there exists no danger of information of a confidential nature coming into hands of a third party.
10. **APPARATUS:** Instruments and/or equipment obtained in connection with the project and charged to the client remain the property of EGSPEC, Nagai, unless otherwise it is specifically agreed to by the Institute.
11. **TERMINATION OF THE PROJECT:** The Client has a right to terminate the project at any time, but shall be liable for all reasonable expenses incurred in connection with halting work already in progress according to the agreed work programme. The decision of EGSPEC, Nagai shall be final as far as reasonableness of the expenses is concerned. The Institute has also the right to terminate the project at any time except where otherwise agreed upon. The Client in this case will not be liable for any expenses incurred after the termination.
12. **PAYMENT:** The payment of consultation charges to EGSPEC, Nagai are to be made in advance and in full before the start of the project, through a demand draft/crossed valid cheque drawn in favour of the Principal, EGS Pillay Engineering College, Nagapattinam and sent to the Consultant. The charges will also include any applicable tax as prescribed by the Government of India or the Government of Tamil Nadu (or any other statutory body) from time to time.
13. **DISPUTES:** In the event of any dispute or difference between the parties hereto, such dispute or differences shall be resolved amicably by mutual consultation. If such resolution is not possible, then the unresolved dispute or difference shall be referred to a sole arbitrator to be nominated by the Director of the Institute for a reasoned Award. The seat of arbitration shall be within the campus of EGSPEC, Nagai and the language of arbitration shall be English. The Award of the arbitrator shall be binding on the parties to the dispute.
14. **DISCLAIMER:** The report on the consultancy project is the technical opinion of the CI/Co-CI based on his/their expertise in the particular area of research and in no way reflects the view(s) of EGSPEC, Nagai. EGSPEC, Nagai is not responsible for the accuracy or completeness of the report and the role of the Institute is limited to providing administrative support to the project.
15. **SERVICE TAX:** As per Service Tax Act of G.O.I., the service tax plus education cess will be levied on total consultancy charges and this amount is to be borne by the Client (The Service Tax applicable today is 12.36%).

V. Srinivasan
V. SRINIVASAN

Name & Signature of Incharge

(with office seal)

S. Bal

Name & Signature of Client

(with office seal)

Date: 25/07/2017

Place:

NAGAPATTINAM



Annexure-1

DETAILS OF BUDGET

SI.NO	DISCRIPTION	TOTAL
A	Payment for consultancy in charger for 240 R.ft(Rs.3200 / R.ft)	5,89,000.00
B	Equipment, Materials testing, etc.,	45,000.00
C	Consumable and labour charges	95,000.00
D	Travel, Contingency, etc.,	28,450.00
E	Total of A+B+C+D	7,57,450.00
F	Institutional overhead (Including service Tax, Education cuss, etc.)	10,550.00
G	Total cost of project(E+F)	7,68,000.00


Annexure-2

ABSTRACT

Project Coordinator : V.Srinivasan M.E., Assistant Professor
Project Name : Retaining Wall
Name of the company : SOS Village, Nagapattinam.
Name of the Work : Consultation and supervision

1. In the construction field leakage use one of the main problem. In SOS Children's village consistency working leakage in the Existing Retaining wall and basement etc.,. The approached for a consultation recording leakage problem. I accepted and provide them a consultation with Newly construct the RCC Retaining wall for arresting leakage .the consultation charge is 3200.00Rs./ R.ft rate. The total length is 240 R.ft for this project and the payment Rs.768000/-get in the form of 3 part of Payment cheque from the SOS Children's Village, Nagapattinam.




Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
Professor & Head,
Department of Civil Engineering,
E.G.S. PILLAY Engineering College,
Nagapattinam.

WORK PLAN

METHODOLOGY

This is the case study of arrest the leakage in the retaining wall of building coastal region. It also involves analysis, evaluation and finds solution for the durability problems in leakage in the Retaining Wall.

Among them educational building, residential buildings, public building are included.

The building surveyed is situated at the distance around 3km.

During survey many type of cracks, corrosion and patches are identified.

OBJECTIVES

Increase the durability and strengthening of existing Retaining Wall . Newly constructed the Retaining wall methods. Post retro fitting's elevation for behaviour of the structure health assessment of the existing structure in adherence with latest tools.

CONSTRUCTION MATRIALS

Cement

Steel

Sand

Aggregates materials

Water

AGGREGATE EXPENSIONS

Magnesium carbonate compounds react with hydroxyl ions yields magnesium Hydroxide and carbonite ion.

These cause destruction of material. Mechanical damage erosion may occur.

EXPECTED OUTCOMES

- ❖ Leakage problem permanently solved.
- ❖ Preventive measures were given.
- ❖ 25% of maintenance cost will be saved.
- ❖ Durability of the structure will be extended.

2. Bio-Data of the coordinators




1. Name : V.Srinivasan
2. Gender : Male
3. Date of Birth : 05.07.1978
4. Designation & Affiliation : Assistant Professor / civil
5. Postal Address : 139/2, Vicknapuram, Avaranipuducherry post, Sikkal-via, Nagapattinam-DT, PIN-611108
6. Contact Number : 72006 21474
7. Email Id : ikd070814@gmail.com
8. Field Experience : 14 years in planning & execution
9. Qualification :

Sl.No.	Degree	Institution	Year
01	B.E., CIVIL	Raja college of Engg&Tech., Madurai	2001- 2004
02	M.E., Struct	SRV Engg. College. Sembodai. Nagapattinam	2015 - 2017

10. Employment Experience : 14 Months (E.G.S Pillay Engineering College, Napattinam)




Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
 Professor & Head,
 Department of Civil Engineering,
E.G.S. PILLAY Engineering College,
Nagapattinam.



**SOS CHILDREN'S
VILLAGES
INDIA**

THREE MONTHS PROGRESS REPORT

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Mar 24th 2018

Sir,

S.No	DATE	MEMBERS	LOCATION	SIGNATURE
01	Nov 10' 2017	V.Srinivasan	SOS Village, Nagai	<i>A. Bal</i>
02	Jan 20' 2018	V.Srinivasan	SOS Village, Nagai	<i>A. Bal</i>
03	Mar 15' 2018	V.Srinivasan	SOS Village, Nagai	<i>A. Bal</i>

1. We will test the quality the quality may become bad due to bad weather like rain storm, high wind etc. We will analyses the quality every three months after constructing the Retaining wall .
2. If required we will replace asphalt shingle due to wear and tear.
3. Periodically we will check the ventilation of to help prevent cracks and off of shingles.

V. Srinivasan

A. Bal



**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Nov 10th 2017

Sir,

I would like to express my greetings and wishes to Mr.V.Srinivasan our consultant for Newly constructed Retaining wall . We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 68,000/- towards consultation fee.

Payment details,

Three Part of payments.

First Payment

A/c Number	:	0052053000107602
Cheque No.	:	379384
Date	:	27.10.2017
Bank	:	South Indian Bank
Amount	:	2,00,000/-

V. Srinivasan

A. Bal



दिसाउथ इन्डियन बैंक लिमिटेड
The South Indian Bank Limited
NEELA SOUTH STREET, NAGAPATTINAM - 611 002
IFSC: SIBL0000252

valid for three months only

27102017
D M Y Y Y Y

या धारक को or Bearer

V. SRINIVASAN

रुपये TWO LAKHS ONLY

अदा करें ₹ 2,00,000.00

A/c. No. 0052053000107602

For SOS CHILDRENS VILLAGES OF INDIA NAGAPATTINAM

A/c PAYEE ONLY

SB PRIVILEGE

[Signature]
Sr. Co-Worker / Village Director
Authorised Signatory

MSLV " Payable at all branches "

⑈ 379384 ⑈ 6110590021: 107602 ⑈ 31

Bank Name : Lakshmi vilas Bank – Nagapattinam
Payable at : Principal EGS Pillay Engg.College, Nagapattinam
A/C Number : 0486 3600 0000 0198
Collection Details : Cheque
Date : 27.10.2017
Cheque Number : 379384
Amount : 2,00,000/-

[Signature]
ACCOUNTS OFFICE
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Feb 20th 2018

Sir,

I would like to express my greetings and wishes to Mr.V.Srinivasan our consultant for Newly constructed Retaining wall . We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 68,000/- towards consultation fee.

Payment details,

Second Bill Payment

A/c Number	:	0052053000107602
Cheque No.	:	379438
Date	:	15.02.2018
Bank	:	South Indian Bank
Amount	:	2,56,000/-

V. Srinivasan

V. Srinivasan



दक्षिण भारत बँक लिमिटेड
The South Indian Bank Limited
NEELA SOUTH STREET NAGAPATTINAM - 611 001
IFSC: SIBL0009052

Valid for three months only.

1 5 0 2 2 0 1 8
D D M M Y Y Y Y

या धारक को or Bearer

V.SRINIVASAN

Rupee: TWO LAKHS AND FIFTY SIX THOUSAND ONLY

अदा करें ₹ 2,56,000.00

A/c. No. 0052053000107602

For SOS CHILDRENS VILLAGES OF INDIA NAGAPATTINAM

A/c PAYEE ONLY

SB PRIVILEGE

[Signature]

[Signature]
Authorized Signatory

Sr. Co-Manager Please sign below

MSL/V " Payable at all branches "

⑈ 379438 ⑈ 611059002⑈ 107602 ⑈ 31

Bank Name : Lakshmi vilas Bank – Nagapattinam
Payable at : Principal EGS Pillay Engg.College, Nagapattinam
A/C Number : 0486 3600 0000 0198
Collection Details : Cheque
Date : 15.02.2018
Cheque Number : 379438
Amount : 2,56,000/-

[Signature]
ACCOUNTS OFFICE
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



**SOS CHILDREN'S
VILLAGES
INDIA**

To

The HOD,
Department of civil Engineering,
E G S Pillay Engineering College,
Nagapattinam.

Nagapattinam, Jun 25th 2018

Sir,

I would like to express my greetings and wishes to Mr.V.Srinivasan our consultant for Newly constructed Retaining wall . We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 68,000/- towards consultation fee.

Payment details,

Three Part of payments.

Third & Final Bill Payment

A/c Number	:	0052053000107602
Cheque No.	:	379439
Date	:	20.06.2018
Bank	:	South Indian Bank
Amount	:	3,12,000/-

V. Srinivasan

A. Bal



वि. साउथ इंडियन बँक लिमिटेड
 The South Indian Bank Limited
 NEELA SOUTH STREET, NAGAPATTINAM - 611 001
 IFSC: SIBL0000152

Valid for three months only
 2 0 0 6 2 0 1 8
 D D M M Y Y Y Y

V SRINIVASAN

या धारक को or Bearer

Rupee THREE LAKHS AND TWELVE THOUSAND ONLY

अदा करें ₹ 3,12,000.00

No. 0052053000107602

For SOS CHILDRENS VILLAGES OF INDIA NAGAPATTINAM

A/c PAYEE ONLY

SB PRIVILEGE

[Signature]
 Sr. Controller Finance Village Director
 Authorised Signatory
 Please sign above

MSLV " Payable at all branches "

⑈ 379439⑈ ⑆ 110590026 107602⑈ 30

Bank Name : Lakshmi vilas Bank – Nagapattinam
 Payable at : Principal EGS Pillay Engg.College, Nagapattinam
 A/C Number : 0486 3600 0000 0198
 Collection Details : Cheque
 Date : 20.06.2018
 Cheque Number : 379439
 Amount : 3,12,000/-

[Signature]
ACCOUNTS OFFICE
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.

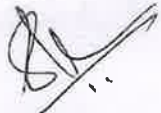
DEPARTMENT OF CIVIL ENGINEERING

UTILIZATION CERTIFICATE


Name of the project	Retaining Wall
Name of the coordinators	V.Srinivasan
Name of the Agency	SOS Village, Nagapattinam
Type of Project	Consultancy Project
Duration	Oct 2017 – May 2018
Project cost	7,68,000 /-

This certificate is an acknowledgement of the expenditure incurred in executing the minor project mentioned above. The Accounts duly submitted to the R&D cell and verified by the principal.

Sl.No.	Itemized list of expenses incurred	Amount (Rs)
1	Cost of Construction and Materials (-Rs. 2593.33 * 240 R.ft)	622400.00
2	Remuneration for two project coordinators(10 month*Rs.2000/Pm)*4	80000.00
3	Remuneration for technical Assistant(10 month*Rs.1000/Pm)*2	20000.00
4	Remuneration for student intern	20000.00
5	Travel	10000.00
6	Institution over head(Including service tax, Education cuss, etc)	15600.00
7	Total expenses incurred	145600.00
	Income generated through consultancy (1 + 7)	768000.00


Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.
Professor & Head,
Department of Civil Engineering,
E.G.S. PILLAY Engineering College,
Nagapattinam.




PRINCIPAL
E.G.S. Pillay Engineering College,
Nagapattinam.

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: CIVIL

Vr. No.:

Lab/WS: CONSULTANCY WORK

VOUCHER

Date: 31.10.17

Particulars	Rs.	Ps.
Paid to Thiru V. SRINIVASAN		
Towards..... DEMONSTRATION		
A sum of Rupees Twenty thousand only	20,000	00
Received payment	20,000	00

Received payment

Signature of Payee



Accounts Supdt

Secretary

Principal

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: CIVIL

Vr. No.:

Lab/WS: consultancy work

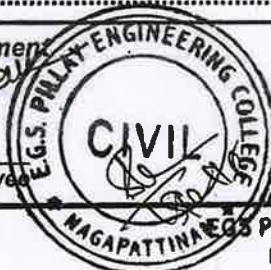
VOUCHER

Date: 19.02.18

Particulars	RS.	PS.
Paid to Thiru V. SRINIVASAN		
Towards..... DEMONSTRATION		
A sum of Rupees Twenty thousand only	20,000	00
Received payment	20,000	00

Received payment

Signature of Payee



Accounts Supdt

Secretary

Principal

ACCOUNTS OFFICE
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept : CIVIL

Vr. No.:

VOUCHER

Lab/WS : *Consultancy work*

Date : *25.06.18*

Particulars	Rs.	Ps.
Paid to Thiru <i>V. Srinivasan</i>		
Towards <i>Remuneration</i>		
A sum of Rupees <i>Twenty Two Thousand only</i>	22,000	00
Received payment	22,000	00

Signature of Payee



Accounts Supdt

Secretary

Principal

ACCOUNTS OFFICE
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept : CIVIL

Vr. No.:

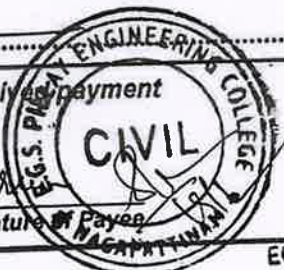
VOUCHER

Lab/WS : *Consultancy work*

Date : *19.2.18*

Particulars	Rs.	Ps.
Paid to Thiru <i>Asan</i> <i>3rd year civil</i>		
Towards <i>Remuneration</i>		
A sum of Rupees <i>Ten thousand only</i>	10,000	00
Received payment	10,000	00

Signature of Payee



Accounts Supdt

Secretary

Principal

ACCOUNTS OFFICE
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

EGS PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Vr. No.:

VOUCHER

Date : 25.6.18.....

my name

Particulars	Rs.	Ps.
<i>12th year chit</i>		
<i>Ar. A. No.</i>		
<i>in thousand only</i>	6,000	00
	6,000	00



[Signature]
ACCOUNTS OFFICE

Secretary

[Signature]
25/6/18
Principal

EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002



EARTH WORK MEASUREMENT



RETAINING WALL SHUTTERING WORK

**GOVERNMENT OF PUDUCHERRY
OFFICE OF THE ASSISTANT ENGINEER
ROADS SUB DIVISION P.W.D KARAIKAL**

No:-1787 /PW/SDR/KKL/2019-20

Dt.12.03.2020

To

The Head of the Department.,
Department of Civil Engineering,
EGS Pillay Engineering College,
Nagapattinam.

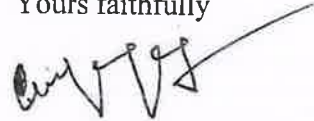
Sir,

Sub:- PW-AE(R)-KKL- Construction of Bridge across river Arasalar at Athipadugai village connecting Arulmozhidevan village in Thirunallar cluster, Karaikal – Testing of Concrete cube for Deck Slab Requested - Regarding

I am sending herewith the following samples of Concrete cube of Deck Slab the above said work for conducting necessary mandatory tests. In this connection it is requested that necessary test report of the same may be send to this office for taking further action please.

Grade of Concrete	:	RCC M30
Part of Structure	:	Deck Slab
Casting Date	:	13.02.2020
Cube test for	:	test for 28 days curing
Testing date	:	12.03.2020

Yours faithfully



**ASSISTANT ENGINEER (ROADS)
P.W.D. KARAIKAL**

Encl: 1 set of 3 cubes

Copy Submitted to:- The Executive Engineer, B & R, Division, P.W.D, Karaikal – for kind information please.

CONSULTANCY PROJECT
ON
AUTOGENIC EXAM SCHEDULING SYSTEM

WORK DONE BY

Mrs.VISALATCHY

ASSISTANT PROFESSOR

Mrs. N.ILAKKIYA

ASSISTANT PROFESSOR

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

E.G.S PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002,

TAMIL NADU

<http://www.egspec.org>

Ph: 04365 - 251112

CUSTOMER ADDRESS

THE CONVENER

EXAM CELL

E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM

E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

**E.G.S PILLAY ENGINEERING COLLEGE
DEPARTMENT OF MCA
“AUTOGENIC EXAM SCHEDULING SYSTEM”**

CONTENTS

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E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

Ref. No: EGSPEC/CW/MCA/AESS/2017/01

Date: 03/07/2017

To

The COE
Convener / Exam Cell
E.G.S. Pillay Engineering College(Autonomous)
Nagapattinam


Sir

Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

We are performing some consultancy work in our department to intervene the manual generated works. We come to know that your follows so many manual works during the examinations and you have large strength of students, if your want the thigs to be altered we are ready to support you .Also we enclose the details about us . Hence , we kindly request you to give an opportunity.

Thanking you,

 With Regards
[Mrs. S.Visalatchy]

Contact Details

Mrs. S.Visalatchy
Assistant Professor
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam
Contact NO 9698008348

1. INSTITUTION PROFILE

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2nd January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19th year of excellent service in the year of 2014. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,

The college offers 6 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

UG Courses:

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology

PG Courses:

- Master of Business Administration
- Master of Computer Applications

M.E – Manufacturing Engineering
M.E – Computer Science and Engineering
M.E – Communication Systems
M.E – Power Electronics and Drives

Vision of the Institute

Envisioned to transform our institution into a "Global Centre of Academic Excellence"

Mission of the Institute

- i. To provide world class education to the students and to bring out their inherent talents
- ii. To establish state-of- the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes
- iii. To recruit competent faculty and staff and to provide opportunity to upgrade their
- iv. knowledge and skills
- v. To have regular interaction with the Industries in the area of R&D and offer consultancy, training and testing services
- vi. To establish centers of excellence in the emerging areas of research
- vii. To offer continuing education and non-formal vocational education programmes that are beneficial to the society

2. DEPARTMENT PROFILE

The department of computer applications focuses on making industry ready IT professionals by imparting quality computer education along with excellent interpersonal skills. It offers 3 years Full time MCA course to the students. Started in the year of 2001, the course was approved by Bharathidasan University, Trichirappalli. In 2003, Anna University, Chennai recognized and approved the course. The current intake of students is 60 per academic year.

DEPARTMENT VISION

To produce software professionals with Academic Excellence in Computer Applications

DEPARTMENT MISSION

- To make software professionals and entrepreneurs by imparting quality computer education.
- To promote inter-disciplinary research among the faculty and the students to create state of art research facilities.
- To prepare the students to be professionally competent to face the challenges in the industry.

To promote quality and ethics among the students.

Programme Educational Objectives (PEO)

The PEO of MCA programme are as follows.

PEO1: To employ solid foundation in mathematical and computing fundamentals and techniques to develop software solutions.

PEO2: To apply good computing breadth so as to comprehend, analyze, design and create computing solutions for the real-life problems and entrepreneurial skills with arich set of communication, teamwork and leadership skills to excel in their profession.

PEO3: To show continuous improvement in their professional career through life-long learning, understand the human values and ethics.

IV Program Outcomes (PO)

Graduates will be able to

PO1:Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

PO2: Identify, formulate, research literature, and solve *complex* computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

PO3: Design and evaluate solutions for *complex* computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to *complex* computing activities, with an understanding of the limitations.

PO6: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.

PO7: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

PO8: Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO9: Communicate effectively with the computing community, and with society at large, about *complex* computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PO10: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

PO11: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

PO12: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

V. Program Specific Outcomes (PSO)

Graduates will be able to

PSO 1: Apply software engineering principles in the design and development of web and mobile applications

PSO 2: Manage and analyze huge volume of data in real world problems

Features of the Department

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields
- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programmer like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department library has an extensive collection of academic books in the areas of latest technologies
- The department has stable, highly qualified and experienced staff members in the staff student ratio of 1:15

Laboratory facilities

Each laboratory is fully equipped to meet the requirement of Anna University Syllabi. The students can train themselves in the Laboratories with the guidance of the faculty during and after the college hours. The laboratory facilities are constantly upgraded to take care of the technological Changes in the respective disciplines.

Department Servers and Software Details

- Microsoft Windows Server 2003

- Linux Fedora v19
- Oracle 11i Data base ServerWorkstations
- 471 Core i3 and Pentium based systems with multimedia facilities
- Capable of getting connected to all server and every other systems over TCP/IP backbone
- All systems having access with Internet/Intranet
- Software
- Microsoft Windows Server 2003
- CentOS 5.3 (For C & C++ programming and Script languages)
- Free BSD
- Oracle 11i
- IBM DB2
- PowerBuilder
- Sybase
- Microsoft Office 2007
- Microsoft Visual Studio 6.0
- Microsoft Visual Studio 2010
- Mathematica
- IDL (Image Processing Tools)
- MathCAD
- IBM Rational Suite and IBM Rational Architect
- Macromedia Flash and Dreamweaver
- Front Page Express
- Novell Netware
- Adobe Photoshop
- Network Simulator – 2 (Free Ware for Both Windows and Linux)
- .netbeans Developer
- Sun JDK, J2EE and J2ME
- Internet Facilities
- 16 Mbps leased line from Reliance

Priority Research Areas

1. Cloud Computing
2. Data Analysis
3. Data Mining and Warehousing
4. Network Security
5. Image Processing
6. Mobile Application Development
7. Ubiquitous Computing
8. Sensor Computing
9. Natural Language Processing
10. Green Computing



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM - 611002
Accredited by NAAC with 'A' Grade
(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi Affiliated to Anna University)
Chennai



Ref. No: EGSPEC/CW/Examcell/AESS/2017/01

Date: 08/07/2017

To

Mrs. S.Visalatchy,
Assistant Professor,
Department of MCA,
E.G.S. Pillay Engineering College,
Nagapattinam.
Contact NO 9698008348

Respected Madam

As a conversational expression of gratitude, we received your requisition letter we are in necessitate of (Autogenic Exam Scheduling System " software for our Department of of foreshorten the manual work. Since there are more number of students strength in our Exam cell, hope your project will satisfy our requirements as We are contrived to accept your request , we are awaiting for more details about your project as early possible

Thanking you

Yours truly

[S.Krishnaram]



**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM - 611002**
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(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi Affiliated to Anna University)
Chennai



Ref. No: EGSPEC/CW/MCA/AESS/2017/02

Date: 10.07.2017

To

The COE
Convener / Exam Cell
E.G.S. Pillay Engineering College(Autonomous)
Nagapattinam

Respected sir

We have attached accomplished project proposal according to your kind reference. we hope that our project will be successful if have good communication between us. So I kindly request you to fix one date for discussing the project details .in this meeting we will discourse the following project requirements , documents .

We are waiting for your positive reply

Thanking you

With regards


[Mrs. S.Visalatchy]

Contact Details

Mrs. S.Visalatchy,
Assistant Professor,
Department of MCA,
E.G.S. Pillay Engineering College,
Nagapattinam.
Contact NO 9698008348

1. PROJECT PROPOSAL

01	Title of the Project	:	Autogenic Exam Scheduling System
02	Type of the Project	:	Consultancy Work
03	Name & Designation of the Project Coordinators	:	Mrs. S.Visaltchy AP/MCA Ms.N.ilakkiya AP/MCA
04	Postal Address of the Principal Investigator	:	Old Nagore Road, Thethi Village, Nagore - Post, Nagapattinam - 611 002
05	Contact Phone numbers of the Project Coordinators	:	Mrs. S.Visaltchy AP/MCA Project Coordinator Contact No. 9698008348 Email:visalatchy@egspec.org
06	Name of the Institution / Organization in which the project will be carried out	:	E.G.S Pillay Engineering College, Nagapattinam
09	Duration of the Project	:	July 2017 - December 2017
10	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	:	Enclosed separately - Annexure 1
11	An abstract, not exceeding one page describing the background, objectives methodology & year wise budget	:	Enclosed separately - Annexure 2
12	Project Work Plan	:	Enclosed separately - Annexure 3
13	Facilities available at the Institution / organization to carry out the project	:	Open Source Lab, Cloud Campus, Android Apps development Centre...
14	Expected Outcome	:	Enclosed separately - Annexure 4

Place: Nagapattinam

Date: 10.08.2017

Signature of Project Coordinator(s)

Signature of the

Head of the Department with Seal

Dr.J.VANITHA
Head of the Department
Department of MCA
E.G.S. Pillay Engineering College
Nagapattinam - 611 002.

Signature of the

Head of the Institution with Seal

Dr. S. RAMABALAN, MCA, ...
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.

Annexure - 1

Details of Budget

A	Description	Total(Rs)
	Expenses Recurring /Non -Recurring(salary/cost of labor, software development, Travel and others	29,000
B	Testing & Documentation charge	5,400
c	Institutional overhead charge(10%) of A+50%(B)	5,400
D	Total Charges(A+B+C)	39,400
E	Service Tax(12%)	4,728
F	Education Cess(3%) of(Service Tax)	141
G	Total Amount	44,269

Annexure - 2

ABSTRACT

Enterprise resource planning (ERP) is a software tool used in an organization to collect, store, manage and interpret data. There are many ERP available till now in the market for product planning, purchase, manufacturing or service delivery, marketing and sales, inventory management, shipping and payment, finance, etc... so here we have designed a ERP which is only meant for education.

In this ERP we have different users like administrator, faculty, HOD, Dean, Director, Students. Each user has different activities in the ERP. If the ERP is used by students the activities are fill student form, course registration, fee deposit etc. If the user is a faculty the activities are fill faculty form, check student details for his/her course, upload marks, apply leaves, etc. If the user is HOD/Dean or Director then the user can check class status of any branch (at that time which class is going on and which faculty is taking the class), accept/reject leaves for faculty, publish notice etc.. The administrator is the king Of the ERP.

So the administrator can control over all the users. Some Extra features are also included in this project like students attendance; sending notifications via SMS.

We have designed this ERP using ASP.NET as front end (graphical user interface) and SQL SERVER as back end (Database).

Annexure - 3

Work Plan

Phase	Cycle	Primary Objective	Scheduled start or milestone
Inception / Requirements Analysis	C1	<ul style="list-style-type: none"> ✓ Analyzing Requirements ✓ Collecting Project Requirements 	July 2017
Elaboration	C2	<ul style="list-style-type: none"> ✓ Identifying Technical Assistant ✓ Installation and Setup 	August 2017
Designing	C3	<ul style="list-style-type: none"> ✓ Designing Prototype Model ✓ Project Review Status Preparation Submission ✓ Project Modules Preparation 	September 2017
Implementation	C4	<ul style="list-style-type: none"> ✓ Start to develop Coding each Modules ✓ Preparing Workspace model and verify with abstract. ✓ Identify the Risk and Measure the values of on it. 	October 2017
Construction	C5	<ul style="list-style-type: none"> ✓ Complete the Project and meet with Abstract ✓ Objectives and Outcome mapped with the Module ✓ Project Final Phase meeting 	November 2017
Transitions /End	C6	<ul style="list-style-type: none"> ✓ Preparing Documentation Part ✓ Final Project Presentation 	December 2017

Annexure - 4

Expected Outcomes

- Improve Service Experience.
- Enhance Competitiveness.
- Modernize Business Processes and Systems.
- Automate Business Solutions.
- Increase Operating Efficiency.
- Provide Access to Standardized College Data.



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM – 611002
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 Chennai



Ref. No: EGSPEC/CW/Examcell/AESS/2017/02

Date: 15.07.2017

To

Mrs. S.Visalatchy,
 Assistant Professor,
 Department of MCA,
 E.G.S. Pillay Engineering College,
 Nagapattinam.
 Contact NO 9698008348

Respected Madam

Thanks for your concern, it will be favour for us if your can unionize the review meeting for the discussion for project proposal on 18.07.2017 . We hereby put the demand of following details such as project coordinators details, evaluations model and completed status for each module. I hope two move review will be arranged to check the progress of your consultancy work. It will be tentatively on 19.09.2017 and 15.10.2017 . We Would like to furnish the following requirements of us

- Calculate the seating arrangements
- Current /Arrear Exam Scheduling
- Develop the hall plan chart
- Special Analysis sections

Thanking you

Your truly

[convener/Exam Cell]



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM - 611002
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Chennai



Ref. No: EGSPEC/CW/MCA/AESS/2017/03

Date: 19.09.2017

To

The COE
Convener / Exam Cell
E.G.S. Pillay Engineering College(Autonomous)
Nagapattinam

Respected sir

We have successfully completed the seating Arrangement hall plan, Exam scheduling as per your requirements please kindly ensure and intimate us immediately for any changes .the remaining module will be completed as early as possible

Thanking you

With regards

[Mrs. S.Visalatchy]

Contact Details

Mrs. S.Visalatchy,
Assistant Professor,
Department of MCA,
E.G.S. Pillay Engineering College,
Nagapattinam.
Contact NO 9698008348



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
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(Approved by AICTE, New Delhi Affiliated to Anna University)
Chennai



Ref. No: EGSPEC/CW/Examcell/AESS/2017/03

Date: 24.09.2017

To

Mrs. S.Visalatchy,
Assistant Professor,
Department of MCA,
E.G.S. Pillay Engineering College,
Nagapattinam.
Contact NO 9698008348

Respected Madam

Thank you we are selected with your project that you have so far completed .it will be informative to us if you completed the forth coming module within the tentative date as examinations are near the deadline

Thanking you

Your truly ,

[Convener/Exam Cell]

[S.Krishnaram]



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM – 611002
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Chennai



Ref. No: EGSPEC/CW/MCA/AESS/2017/04

Date: 15.10.2017

To

The COE,
Convener / Exam Cell,
E.G.S. Pillay Engineering College(Autonomous),
Nagapattinam.

Respected sir

It gives me heart full of happiness to inform that our staffs has successfully completed the project work " Autogenic Exam Scheduling System" this project has been verified inour department preemies and worked properly

We respect you to make yourself convenient to see the demonstration of the student Examinationsystem and the after to release the payment 44.269 for this project

Thanking you

With regards


[Mrs. S. Visalatchy]

Contact Details

Mrs. S. Visalatchy,
Assistant Professor,
Department of MCA,
E.G.S. Pillay Engineering College,
Nagapattinam.
Contact NO 9698008348



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
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Chennai



Ref. No: EGSPEC/CW/Examcell/AESS/2017/04

Date: 11.12.2017

To

Mrs. S.Visalatchy,
Assistant Professor,
Department of MCA,
E.G.S. Pillay Engineering College,
Nagapattinam.
Contact NO 9698008348

Respected Madam

We congratulate you and your team for successful completion of the " Autogenic Exam Scheduling system software as per our requirements . we have completely satisfy

With the performance of the software after the demonstration given by your team to us on 27.11.2017

Hence as discussed we have enclosed a cheque no: 000523 date 11.12.2015 of Lakshmi vilas bank for Rs. 44.269/- favoring " The principal . E.G.S. Pillay Engineering College Nagapattinam

We once again felicitate the staff members' who have taken the project work and the faculty members

Thanking you

Your truly

[Convener/Exam Cell]

[S.Krishnaram]

MINUTES OF MEETING

**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
Nagapattinam
DEPARTMENT OF MCA**

PROJECT COORDINATORS LIST

S.NO	NAME OF THE PROJECT	PROJECT COORDINATORS	STUDENT COORDINATORS
1,	AUTOGENIC EXAM SCHEDULING SYSTEM	Mrs. S.Visalatchy AP/MCA	Ramya.V
		Ms. N.Ilakkiya	Sindhu.K

**E.G.S. PILLAY ENGINEERING COLLEGE
(AUTONOMOUS)
Department of MCA
UTILIZATION CERTIFICATE**


Name of the project	AUTOGENIC EXAM SCHEDULING SYSTEM
Name of the coordinator	Mrs. S.Visalatchy AP/MCA
	Ms. N.lakkiya
Name of the Agency	The Exam Cell, E.G.S. Pillay Engineering College, Nagapattinam
Type of the project	Software Project
Duration	Jul17 -Dec 17
Project cost	RS.44.269/-

Certified that I have satisfied myself that the conditions on which the grant in aid was offered have been duly fulfilled and that I have exercised the following checks to see hat the money was actually utilized for the purpose for which its was offered

Grant Sanctioned	Details of Expenditure incurred ites wise	Amount (Rs)
44269/-	1.Coordinator and Technical staff Honorarium	4,500,00
	2.working expenses (reprographics services, postage, transport daily wages tea/coffed etc.,)	500
	2. Contribution to institution	39,269
	Total	44,269/-
	Amount Received (Rs.)	44269/-
	Balance to be Received(Rs.)	-

Place : Nagapattinam

Date :

1. S. Visalatchy 
Name and Signature
of Coordinator

2. N. ILAKKIYA 



Name and Signature of
Head of Institution
With seal

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.**



Branch: THANE
THANE, Maharashtra - 400607
IFSC Code: INDB0007129

11 12 20 17
D D M M Y Y Y Y

The Principal For Spec

या निरुद्ध को OR BEARER

forty four thousand Two hundred
Sixty Nine Only

अदा करें

₹ 44,269.

FOR

0000118256

CBS Code: 01591


AUTHORISED SIGNATORY/IES
Please sign above

E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Vr. No.:

VOUCHER

Dept :

Lab/WS :

Date : 11/12/2017

Particulars	Rs.	Ps.
Paid to Thiru Mrs. Visalatchy, Mrs. N. Lakshya Towards Consultancy Project [Autogenic Exam Scheduling System] A sum of Rupees Sixty four thousand two Hundred Sixty Nine.	44,269	1
Received payment	44,269	1

Received payment

[Signature]
Signature of Payee

[Signature]
Accounts Supdt.

Secretary

[Signature]
Principal