E.G.S.PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF ECE

VALUE ADDED COURSE
ON
"DIGITAL SIGNAL AND DIGITAL IMAGE PROCESSING"
(19/12/2017 – 23/12/2017)

Resource person:

> Dr. K. Prabu,
>
> Professor,
>
> Vellore Institute of Technology,
>
> Vellore.

Co-ordinators

1. L. Ramachandran, AP/ECE
2. T. Senthil Kumar, AP/EC

Organized by

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

E.G.S.PILLAY ENGINEERING COLLEGE
NAGAPATTINAM – TAMIL NADU - INDIA
APPROVED BY AICTE, AFFILIATED TO ANNA UNIVERSITY
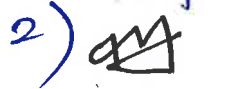**ACCREDITED BY NAAC WITH 'A' GRADE**
ACCREDITED BY NBA (CSE, EEE & MECH.)

VALUE ADDED COURSE ON DIGITAL SIGNAL AND DIGITAL IMAGE PROCESSING

REPORT

Value Added Course on "Digital signal and Digital image processing", has been conducted in our E.G.S Pillay Engineering College, Nagapattinam, organized by Department of Electronics and Communication Engineering, E.G.S. Pillay Engineering College, Nagapattinam. The Programme was inaugurated in the well morning on 19th December 2017.

The one of the co-ordinator **L. Ramachandran, AP/ECE**, started this course with his welcome address. Head of the department **Dr.S.M.Ramesh** gave the keynote address. Our Esteemed Principal **Dr.S.Ramabalan** presented the inaugural address and finally Our chief Guest **Dr. K. Prabu**, Professor, Vellore Institute of Technology, Vellore, has explained about Digital Signal and Digital Image processing.

Finally, Programme came to a close on 23rd December, 2017, with the summary of the whole programme was given by **L. Ramachandran/AP/ECE**, Coordinator, and Co-Coordinator **T. Senthil Kumar/AP/ECE** proposed vote of thanks.

1)

2)

Coordinator's
(L. Ramachandran)
(T. Senthil Kumar)

HoD
(Dr. S.M.Ramesh)

30.11.2017

From:

L. Ramachandran, AP/ECE,
T. Senthil Kumar, AP/ECE,
Department of ECE,
E.G.S. Pillay Engineering College,
Nagapattinam.

To:

The Principal,
E.G.S. Pillay Engineering College,
Nagapattinam.

Respected Sir,

Sub: Requisition to conduct Value added course on "Digital Signal and Digital Image Processing" – Reg.

We planned to conduct Value added course on "Digital Signal and Digital Image Processing" for final year ECE students from 19/12/2017 to 23/12/2017. So, we request you to give the permission for this.

Thanking you,

(L.Ramachandran)

(T. Senthil Kumar)

Date: 30.11.2017
Place: EGSPEC, Nagapattinam

08.12.2017

From

    Dr. S.M.Ramesh,
    Head of the Department,
    Department of ECE,
    E.G.S. Pillay Engineering College,
    Nagapattinam.

To

    Dr. K. Prabu,
    Professor,
    Vellore Institute of Technology,
    Vellore.

Respected Sir / madam,

        Sub: Requisition to invite Chief guest for Five days workshop on "Digital Signal and Digital Image Processing" – **Reg.**

        I am very happy to share that, we are going to organize five days workshop on "Digital Signal and Digital Image Processing" which is scheduled from 19/12/2017 to 23/12/2017. In connection with this, we would like to invite you as a chief guest for five days workshop on "Digital Signal and Digital Image Processing". We request you kindly accept our invitation to organize the workshop successfully.

                Thanking you,

                                (Dr. S.M.Ramesh)

Date: 08.12.2017
Place: EGSPEC, Nagapattinam

11.12.2017

From

Dr. K. Prabu,
Professor,
Vellore Institute of Technology,
Vellore.

To

Dr. S.M.Ramesh,
Head of the department,
Department of ECE,
E.G.S. Pillay Engineering College,
Nagapattinam.

Respected Sir,

       Sub: Acceptance of resource person – **Five days workshop on "Digital Signal and Digital Image Processing" – Reg.**

       I am very glad to see your letter about to organize the workshop on "Digital Signal and Digital Image Processing" as a resource person to your students. From this, I confirm my presence from 19/12/2017 to 23/12/2017 in your college.

       Thanking you,

(K. Prabu)

Date: 11.12.2017
Place: Vellore.

05/12/2017

From

L.Ramachandran, AP/ECE,
T. Senthil Kumar, AP/ECE,
Department of ECE,
E.G.S. Pillay Engineering College,
Nagapattinam.

To

The Principal,
E.G.S. Pillay Engineering College,
Nagapattinam.

Respected Sir,

Sub: Requisition for Budget to conduct Value added course on "Digital Signal and Digital Image Processing"– Reg.

We planned to conduct Value added course on "Digital Signal and Digital Image Processing" for final year students from 19/12/2017 to 23/12/2017. Approximation budget for this Value added course is enclosed with this letter. We request you to kindly do the needful.

Thanking you,

(L. Ramachandran)

(T. Senthil Kumar)

Date: 05.12.2017
Place: EGSPEC, Nagapattinam

BUDGET REQUIREMENT

S.No	Particulars	Amount Required (In Rs.)
01	Resource person gift (shield)	800/-
02	Students refreshment for 5 Days	10,000/-
03	Breakfast, Lunch, Dinner and DA and Accommodation for Resource person	10,500/-
04	Remuneration for Resource person	20,000/-
05	Certificate design and print – 101 nos.	1,100/-
TOTAL		**42,400/-**

1)

2)

Coordinator's
(L. Ramachandran)
(T. Senthil Kumar)

HoD
(Dr. S.M.Ramesh))

ORGANIZED

VALUE ADDED COURSE

on

"Digital Signal and Digital Image Processing"

(19/12/2017 to 23/12/2017)

Venue: GG Block

CHIEF GUEST

Dr. K. Prabu

Professor,

Vellore Institute of Technology,

Vellore.

Smt. S. Jothimani G.S. Pillay

Chairman – E.G.S. Pillay Group of Institutions

Chev. Dr. S. Paramesvaran

Secretary - E.G.S. Pillay Group of Institutions

Dr. S. Ramabalan

Principal, E.G.S. Pillay Engineering College

Dr. S.M.Ramesh

HoD - ECE, E.G.S. Pillay Engineering College

Mr. L. Ramachandran

AP - ECE, E.G.S. Pillay Engineering College

Mr. T. Senthil Kumar

AP - ECE, E.G.S. Pillay Engineering College

Organized by

Department of Electronics and

Communication Engineering

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

(Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai | NBA
Accredited Programmes (EEE,CSE and Mech) | Accredited by NAAC with 'A' Grade)

AGENDA

Welcome Address	: Mr. L. Ramachandran, AP - ECE
Honouring the chief guest	: Chev. S. Paramesvaran, Secretary, EGSPGOI
Introducing Chief Guest	: Dr. S.M.Ramesh, HOD – ECE
Special address	: Dr. S. Ramabalan – Principal
Felicitation address	: Mr. L.Ramachandran, AP - ECE
Keynote Presentation by Chief Guest	: Dr. K. Prabu, Professor, Vellore Institute of Technology, Vellore.

SESSION DETAILS

Date	Expert Details	Lecture title
19/12/2017	Dr. K. Prabu, Professor, Vellore Institute of Technology, Vellore	Introduction to Digital Signal and Image Processing.
20/12/2017	Dr. K. Prabu, Professor, Vellore Institute of Technology, Vellore	Steps involved in the Digital Processing.
21/12/2017	Dr. K. Prabu, Professor, Vellore Institute of Technology, Vellore	Image and Signal processing tools.
22/12/2017	Dr. K. Prabu, Professor, Vellore Institute of Technology, Vellore	Noise reduction and Filtering techniques.
23/12/2017	Dr. K. Prabu, Professor, Vellore Institute of Technology, Vellore	Application and Future scope in the field of Digital image and Signal Processing.

➤ Participants feedback
➤ Vote of thanks   : Mr. T. Senthil Kumar, AP - ECE
➤ National Anthem

you are Cordially invited

VALUE ADDED COURSE ON "DIGITAL SIGNAL AND DIGITAL IMAGE PROCESSING

OBJECTIVE

An effort to make awareness among Electronics and Communication Engineering students on Digital Signal and Digital Image Processing.

DAY	Participants	EVENT	RESOURCE PERSON
19.12.2017 to 23.12.2017	IV ECE A & B Sections	Digital Signal and Digital Image Processing	Dr.K. Prabu, Professor, Vellore Institute of Technology, Vellore.

Program Co-ordinators

1. L. Ramachandran
2. T. Senthil Kumar

HOD/ECE

(Dr.S.M.Ramesh)

ECE/2017/ODD/CIRCULAR-01

DEPARTMENT CIRCULAR DATED 15.12.2017

To improve the practical Skills of our ECE students, we are going to conduct Value added course on "Digital Signal and Digital image Processing" from 19/12/2017 to 23/12/2017.

OBJECTIVE

An effort to make awareness among Electronics and Communication Engineering students on Digital Signal and Digital image processing.

DAY	PARTICIPANTS	EVENT	RESOURCE PERSON
19/12/2017 to 23/12/2017	Final Year ECE Students	"Digital Signal and Digital image Processing"	Dr.K. Prabu, Professor, Vellore Institute of Technology, Vellore.

1)

2)

Program Co-ordinators

1. L. Ramachandran
2. T. Senthil Kumar

HOD/ECE

(Dr.S.M.Ramesh)

Faculty	Signature	Faculty	Signature
Mr.K.Parthasarathi		Mr.S.JimHawkinson	
Mrs.R.S.Kotteshwari		Mr.S.Senthilkumar	
Mrs.S.Chitra		Mr.T.Senthilkumar	
Mrs.V.Elavarasi		Ms.D.Muthulakshmi	
Mr.D.Devarajan		Ms.S.Dhanalakshmi	
Mr.M.Nuthal Srinivasan		Ms.S.Aadhirai	
Mr.M.Irshad Ahamed			
Mr.L.Ramachandran		--	--

Laboratory Technician	Signature
Mr. K.Raju	
Mr. V.Karthikeyan	
Ms. S.Keerthiga	
Mr.V.G.SudharasanaBaalajee	
Mr.B.NirmalDev	

E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
Department of Electronics and Communication Engineering

ORGANIZED

Value Added Course
on
"Digital Signal and Digital Image Processing"

COMMITTEE LIST

Sl. No	Name of the Committee	Committee Representative	Student's Members	Responsibilities
1	Overall Program Coordination	L.Ramachandran T. Senthil Kumar	Shamili k	Invitation, Brochure, Report Preparation, Programme schedule and Overall Control
2	Comparing	M. Nuthal Srinivasan	Aslam arsath J Santhoshree K.K	Comparing for Inauguration and Valediction, Chief Guest honour.
3	Refreshment Committee	S.SenthilKumar	Sarathchandran. V	Refreshment for resource person and participants
4	Registration and Reception	V. Elavarasi	Archana a	Registration, Attendance, Feedback & Certificate Writing.
6	PRO	C. Mathuvanesan,	Meena s	Photo Session , flux for backdrop and welcome

Coordinator's
(L. Ramachandran)
(T. Senthil Kumar)

HoD
(Dr. S.M.Ramesh)

E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
Department of Electronics and Communication Engineering

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PARTICIPATION NAME LIST

S.NO	NAME OF THE PARTICIPANT	INSTITUTION NAME
820814106001	AARTHI.A	E.G.S. Pillay Engg. College, Nagapattinam.
820814106002	ABINAYA M	E.G.S. Pillay Engg. College, Nagapattinam.
820814106003	AGALYA M	E.G.S. Pillay Engg. College, Nagapattinam.
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820814106019	DHINESH A	E.G.S. Pillay Engg. College, Nagapattinam.
820814106020	DHIVYA.R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106021	DURAIMURUGAN J	E.G.S. Pillay Engg. College, Nagapattinam.

820814106022	DURGADEVI J	E.G.S. Pillay Engg. College, Nagapattinam.
820814106023	DURGADEVI.S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106024	ELAVARASAN E	E.G.S. Pillay Engg. College, Nagapattinam.
820814106025	ELAVARASI .M	E.G.S. Pillay Engg. College, Nagapattinam.
820814106026	FATHIMA FARVIN.A	E.G.S. Pillay Engg. College, Nagapattinam.
820814106027	GAYATHIRI R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106028	GOPPERUNDEVI T	E.G.S. Pillay Engg. College, Nagapattinam.
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820814106031	KANAGASUNDARAM M	E.G.S. Pillay Engg. College, Nagapattinam.
820814106032	KARPAHAMBAL S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106033	KARTHIKA R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106034	KEERTHANA R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106035	KIRUTHIKA M	E.G.S. Pillay Engg. College, Nagapattinam.
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820814106044	MANIMOZHI R	E.G.S. Pillay Engg. College, Nagapattinam.
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820814106049	MOHAMED SYED ALI.S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106050	NAFILA SHAFREEN N	E.G.S. Pillay Engg. College, Nagapattinam.
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820814106065	RAKSHIHA P	E.G.S. Pillay Engg. College, Nagapattinam.
820814106066	RANJANI R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106067	RANJITHA R (23.07.97)	E.G.S. Pillay Engg. College, Nagapattinam.
820814106068	RANJITHA R (25.12.96)	E.G.S. Pillay Engg. College, Nagapattinam.
820814106069	ROSHINI K	E.G.S. Pillay Engg. College, Nagapattinam.
820814106070	SANDHIYA M	E.G.S. Pillay Engg. College, Nagapattinam.
820814106071	SANTHIRALEKA S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106072	SANTHIYA K	E.G.S. Pillay Engg. College, Nagapattinam.
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820814106077	SHAMILI K	E.G.S. Pillay Engg. College, Nagapattinam.
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820814106305	PRAVEEN. A	E.G.S. Pillay Engg. College, Nagapattinam.
820814106306	SARATHCHANDRAN. V	E.G.S. Pillay Engg. College, Nagapattinam.
820814106307	SRINIVASAN. K	E.G.S. Pillay Engg. College, Nagapattinam.
820814106308	VIGNESH. D	E.G.S. Pillay Engg. College, Nagapattinam.

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Coordinator's
(L. Ramachandran)
(T. Senthil Kumar)

HoD
(Dr. S.M.Ramesh)

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Department of Electronics and Communication Engineering

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820814106023	DURGADEVI.S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Durga Devi
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820814106025	ELAVARASI .M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Elvarasi
820814106026	FATHIMA FARVIN.A	E.G.S. Pillay Engg. College, Nagapattinam.	A. Fathima farvin
820814106027	GAYATHIRI R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Gayathri
820814106028	GOPPERUNDEVI T	E.G.S. Pillay Engg. College, Nagapattinam.	T. Gopperundhevi
820814106029	KALAIVANI P	E.G.S. Pillay Engg. College, Nagapattinam.	P. kalaivani
820814106030	KALKIYA.R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Kalkiya
820814106031	KANAGASUNDARAM M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Kngasudharam
820814106032	KARPAHAMBAL S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Karpagambal
820814106033	KARTHIKA R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Karthika
820814106034	KEERTHANA R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Keerthinka
820814106035	KIRUTHIKA M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Kiruthika
820814106036	KIRUTHIKA.N	E.G.S. Pillay Engg. College, Nagapattinam.	N. Kiruthika
820814106037	KIRUTHIKA S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Kiruthika
820814106038	KOWSALYA K	E.G.S. Pillay Engg. College, Nagapattinam.	K. Kousalya
820814106039	MADHAVAN M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Madhavan
820814106040	MADHAVI B	E.G.S. Pillay Engg. College, Nagapattinam.	B. Mathavi
820814106041	MANIBHARATHI.K	E.G.S. Pillay Engg. College, Nagapattinam.	K. Mahibarathi
820814106042	MANIKANDAN S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Manikandan
820814106043	MANIMEHALAI G	E.G.S. Pillay Engg. College, Nagapattinam.	G. Manimegalai
820814106044	MANIMOZHI R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Monimozhi
820814106045	MANISHAMALINI S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Manishamalini
820814106046	MEENA S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Meena
820814106047	MEENAKSHI R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Meenakshi
820814106049	MOHAMED SYED ALI.S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Mohamed Syedali
820814106050	NAFILA SHAFREEN N	E.G.S. Pillay Engg. College, Nagapattinam.	N. Nafila Shafreen
820814106051	NIVETHA R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Nivetha

820814106052	PANDEESHWARI K	E.G.S. Pillay Engg. College, Nagapattinam.	K. Pandeeshwaran
820814106053	PAVITHRA M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Pavithaa
820814106054	PAVITHRA S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Pavithaa
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820814106058	PRIYA DHARSHINI K	E.G.S. Pillay Engg. College, Nagapattinam.	K. Priya Dharshini
820814106059	PRIYANGA GANDI M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Priyangagandi
820814106060	PRIYANKA A	E.G.S. Pillay Engg. College, Nagapattinam.	A. Priyanga
820814106061	PUNITHA P	E.G.S. Pillay Engg. College, Nagapattinam.	P. Punitha
820814106063	RAGU R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Ragu
820814106064	RAJALAKSHMI M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Rajalakshmi
820814106065	RAKSHIHA P	E.G.S. Pillay Engg. College, Nagapattinam.	P. Rakshitha
820814106066	RANJANI R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Ranjani
820814106067	RANJITHA R (23.07.97)	E.G.S. Pillay Engg. College, Nagapattinam.	R. Ranjitha
820814106068	RANJITHA R (25.12.96)	E.G.S. Pillay Engg. College, Nagapattinam.	R. Ranjitha
820814106069	ROSHINI K	E.G.S. Pillay Engg. College, Nagapattinam.	K. Roshini
820814106070	SANDHIYA M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Santhiya
820814106071	SANTHIRALEKA S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Santhiraleka
820814106072	SANTHIYA K	E.G.S. Pillay Engg. College, Nagapattinam.	K. Santhiya
820814106073	SARAVANAN R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Saravanan
820814106074	SATHIYAN P	E.G.S. Pillay Engg. College, Nagapattinam.	P. Sathiyan
820814106075	SEETHALADEVI R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Seethaladevi
820814106076	SELVAPRIYA G	E.G.S. Pillay Engg. College, Nagapattinam.	G. Selvapriya
820814106077	SHAMILI K	E.G.S. Pillay Engg. College, Nagapattinam.	K. Samili
820814106078	SHANTHOSH SHREE K K	E.G.S. Pillay Engg. College, Nagapattinam.	K.K Shanthosh Sree
820814106079	SINDHU LAKSHMI K	E.G.S. Pillay Engg. College, Nagapattinam.	K. Sindhu lakshmi
820814106080	SINTHANA S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Sinthana
820814106081	SIVABHARATHI M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Sivabharathi
820814106082	SIVARAJA M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Sivaraja

820814106083	SIVASANKARI S	E.G.S. Pillay Engg. College, Nagapattinam.	
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820814106092	TAMILZHARASI M	E.G.S. Pillay Engg. College, Nagapattinam.	
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820814106097	VINOTHINI M	E.G.S. Pillay Engg. College, Nagapattinam.	
820814106098	YUVARANI S	E.G.S. Pillay Engg. College, Nagapattinam.	
820814106301	KANIMOZHI. M	E.G.S. Pillay Engg. College, Nagapattinam.	
820814106302	MALATHI. N	E.G.S. Pillay Engg. College, Nagapattinam.	
820814106303	MOHAMED FARHAN	E.G.S. Pillay Engg. College, Nagapattinam.	
820814106304	PONGANGADHARAN. M	E.G.S. Pillay Engg. College, Nagapattinam.	
820814106305	PRAVEEN. A	E.G.S. Pillay Engg. College, Nagapattinam.	
820814106306	SARATHCHANDRAN. V	E.G.S. Pillay Engg. College, Nagapattinam.	
820814106307	SRINIVASAN. K	E.G.S. Pillay Engg. College, Nagapattinam.	
820814106308	VIGNESH. D	E.G.S. Pillay Engg. College, Nagapattinam.	

1)

2)

Coordinator's
(L. Ramachandran)
(T. Senthil Kumar)

HoD
(Dr. S.M.Ramesh)

E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

Department of Electronics and Communication Engineering

ORGANIZED

Value Added Course on
on
Digital Signal and Digital Image Processing
(19.12.2017 to 23.12.2017)

Date: 25.12.2017

EXPENDITURE DETAILS

S.NO	PARTICULARS	AMOUNT SPENT (in Rs.)
01	Resource person gift (shield)	800/-
02	Students refreshment for 5 Days	10,000/-
03	Breakfast, Lunch, Dinner and DA and Accommodation for Resource person	10,500/-
04	Remuneration for Resource person	20,000/-
05	Certificate design and print – 101 nos.	1,100/-
	TOTAL	**42,400/-**

1)
2)

Coordinator's
(L. Ramachandran)
(T. Senthil Kumar)

HoD
(Dr.S.M.Ramesh)

Five days Value Added Course
On

DIGITAL SIGNAL AND DIGITAL IMAGE PROCESSING
(19.12.2017 & 23.12.2017)

ORGANIZED BY
Department of Electronics and Communication Engineering
E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
(Accredited by NAAC with 'A' grade || Recognized by DSIR || Recognized by UGC 2(f) & 12 (B)|| Provisional Accreditation in NBA for EEE, CSE and Mechanical || Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Sample Photos:

E.G.S. PILLAY ENGINEERING COLLEGE

(Autonomous)

NAGAPATTINAM – 611002

Accredited by NAAC with 'A' Grade | Recognized by DSIR | Accredited by NBA (Mechanical, EEE, CSE)

Approved by AICTE - New Delhi and Affiliated to Anna University – Chennai

CERTIFICATE

This is to certify that Mr. / Ms. / Mrs. _____

has attended Five days Value Added Course on

of _____

"Digital Signal and Digital Image Processing" from 19th December, 2017 to 23rd December, 2017 organized by Department of Electronics and Communication Engineering, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam.

Mr. L. Ramachandran
Coordinator

Dr. S. M. Ramesh
HoD

Dr. S. Ramabalan
Principal

Digital Signal and Digital Image Processing

Presented by
Dr. K. Prabu,
Professor,
Vellore Institute of Technology,
Vellore.

Why Signal Processing?

- Signal processing provides the tools for understanding sampling and reconstruction
- Sampling:
  - How do we know how many pixels are required, and where to place them?
- Reconstruction:
  - What happens when a monitor converts a set of points into a continuous picture?
  - How do we enlarge, reduce, rotate, smooth or enhance images?
- Jaggies, Aliasing
  - How do we avoid jagged, pixelated lines

Different types of signals and images (1)

- Continuous or Discrete index.

- Continuous or Quantized values.

- Finite energy, finite power, etc.

$$E = \int_{-\infty}^{+\infty} |x(t)|^2 dt$$

$$P = \lim_{T \to +\infty} \frac{1}{T} \int_{-T/2}^{+T/2} |x(t)|^2 dt$$

➡ Computer processing requires finite energy, discrete, quantized data.

Different types of signals and images (2)

- Signals and images grouped in terms of regularity properties :
  - Continuous and global order of differentiability
  - Local regularity
  - Fractal dimension

- Statistical properties :
  - Marginal distributions, moments, etc.
  - Coherence, correlations and non linear dependencies
  - Stationarity

➡ Different formal environment for handling indexed data sets.

1

… and in Fourier space :

- Fourier transform :
$$\begin{cases} X(f) = \int_{-\infty}^{+\infty} x(t)e^{-2j\pi ft}dt \\ x(t) = \int_{-\infty}^{+\infty} X(f)e^{2j\pi ft}df \end{cases}$$

- Parceval :
$$\int_{-\infty}^{+\infty} |x(t)|^2 dt = \int_{-\infty}^{+\infty} |X(f)|^2 df$$

- Localization :
$$m_f = \frac{1}{E}\int_{-\infty}^{\infty} f|X(f)|^2 dt$$

- Spread :
$$\sigma_f^2 = \frac{1}{E}\int_{-\infty}^{\infty} (f - m_f)^2 |X(f)|^2 dt$$

- Heisenberg Uncertainty Principle :
$$\sigma_t \sigma_f \geq \frac{1}{4\pi}$$

A few properties of the Fourier transform

$x(t)$	$X(f)$
$x(at)$	$\frac{1}{|a|}X(f/|a|)$
$ax(t) + by(t)$	$aX(f) + bY(f)$
$x(t - t_0)$	$X(f)\exp(-2j\pi f t_0)$
$x(t)\exp(2j\pi f t_0)$	$X(f - f_0)$
$x(t) \star y(t)$	$X(f)Y(f)$
$x(t)y(t)$	$X(f) \star Y(f)$
$d^n x(t)/dt^n$	$(2j\pi f)^n X(f)$
$(-2j\pi t)^n x(t)$	$d^n X(f)/df^n$
réelle paire	réelle paire
réelle impaire	imaginaire impaire
imaginaire paire	imaginaire paire
imaginaire impaire	réelle impaire
complexe paire	complexe paire
complexe impaire	complexe impaire
réelle	$X(f) = X^*(-f)$
	$\text{Re}(X(f)), |X(f)|$ paires
	$\text{Im}(X(f)), \arg(X(f))$ impaires
$x^*(-t)$	$X^*(f)$

- examples :
$$x(t) = \text{rect}_T(t) = 1\!\!1(-T/2, T/2)(t)$$
$$\Rightarrow X(f) = \frac{\sin(\pi fT)}{\pi f} = T\text{sinc}(fT)$$

$$p_E(t) = \sum_{n \in \mathbb{Z}} \delta(t - nT) = \sum_{k \in \mathbb{Z}} \frac{1}{T}e^{2j\pi kt/T}$$
$$\Rightarrow \sum_{k \in \mathbb{Z}} \frac{1}{T}\delta(f - k/T)$$
(Poisson Sommation Formula)

Linear operators - Filtering

- Simplest possible operators are linear.
- Shift invariant linear operators = convolutive systems :

$$y(t) = \int_{\mathbb{R}} h(\tau)x(t-\tau)\, d\tau \qquad\qquad Y(f) = H(f)X(f)$$

- Harmonic signals are eigenvectors of linear filters :

$$\text{with} \quad x(t) = \exp(2j\pi f_0 t),$$

$$y(t) = \int_{\mathbb{R}} h(\tau)e^{2j\pi f_0(t-\tau)}\, d\tau = e^{2j\pi f_0 t}\int_{\mathbb{R}} h(\tau)e^{-2j\pi f_0\tau}\, d\tau = H(f_0)x(t)$$

Example (1) : low pass spatial filter

- Used for smoothing (removal of small details prior to large object extraction, bridging small gaps in lines) and noise reduction.

- Low-pass (smoothing) spatial filtering
  - Neighborhood averaging
  - Results in spatial blurring

$$\frac{1}{9} \times \begin{array}{|c|c|c|}\hline 1 & 1 & 1 \\\hline 1 & 1 & 1 \\\hline 1 & 1 & 1 \\\hline\end{array}$$

Erosion

- Principle : takes the binary image B, places the origin of structuring element S over each pixel of value 1, and ANDs the structuring element S into the output image at the corresponding position.
- It is typically applied to binary image, but there are versions that work on gray scale image.
- The basic effect of the operator on a binary image is to gradually eliminate small objects.

origin

0	0	1	1	0
0	0	1	1	0
0	0	1	1	0
1	1	1	1	1

1
1
1

erode →

0	0	0	0	0
0	0	1	1	0
0	0	1	1	0
0	0	0	0	0

B   S   B ⊖ S
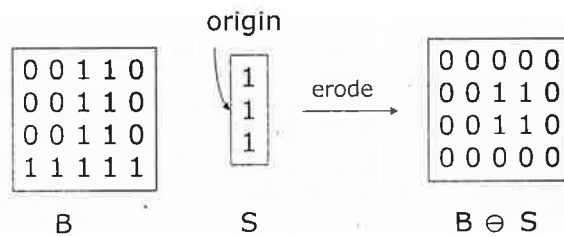
Closing and opening

• Closing is a dilation followed by an erosion   (with the same structuring element). Closing also produces the smoothing of sections of contours but fuses narrow breaks, fills gaps in the contour and eliminates small holes.

• Opening is an erosion followed by dilation   (with the same structuring element). Opening smoothes the contours of objects, breaks narrow isthmuses and eliminates thin protrusions.
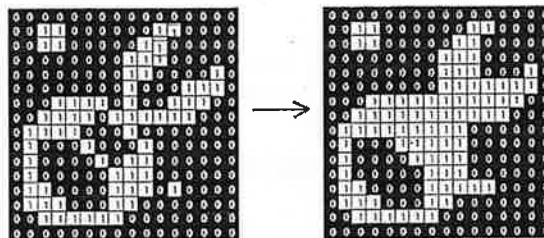
Effect of closing using a 3 by 3 square structuring element

1

Statistical properties of signals and images

- A stochastic process/field is completely defined by its probability law

- Simplest model considers IID processes, isotropic, stationary

- How to account for coherent behaviour of neighboring (or not) samples or pixels, in a generic way?

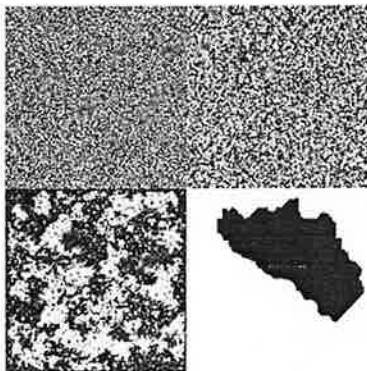- Different priors for differents classes of images.

  - Gibbs-Markov fields
  - New representations of structured image data.

Gibbs-Markov field models for images

• The probability distribution of the value of pixel s does not depend on all the other pixels but only on those pixels in the considered neighborhood : sort range local interactions.

$$P(X_s = x_s \, / \, x^s) = P(X_s = x_s \, / \, x_t, t \in \mathcal{V}_s)$$

• example : Monte-Carlo simulations of an Ising model for different values of coupling.

Image restoration, noise models, detection, deconvolution

Outline :
- Image fornation model, Inverse problems in image processing
- Algorithms for deconvolution : Richardson-Lucy, CLEAN,
- Wiener filtering, Gaussian filter, Maximumentropy methode
- Spike processes
- Application of multiresolution methods
- Shrinkage, Sparsity, bayesesian approaches
- Inpainting
- Again Cauchy-Schwartz
- Pierpaoli
- Complex models : accounting for coherent behaviour of wavelet coefficients

Thank You

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

VALUE ADDED COURSE EVALUATION FORM

Title : Digital Signal and Digital Image Processing
Date : 19.12.17 - 23.12.17
Coordinators Name : L. Ramachandran
T. Senthil kumar

Dept. Name: ECE

1. Value added course Content

Please rate the sessions you attended by specifying the number using the scale: Excellent = 5, Very Good = 4, Good = 3, Average = 2, Poor = 1

Session No.	Speaker Name	Identified Topics	Duration of the session	Topic Coverage and Relevance	preparedness
1	Dr. K. Prabu	5.	4	5	5

Please mention your favourite speaker at the Value Added Course.......................................

2. **Overall Organisation of the Value Added Course**

Please rate the following aspects of the Value Added Course organisation and administration
Excellent = 5, Very Good = 4, Good = 3, Average = 2, Poor = 1

Overall Content Identified/ Topics/ Duration of the session	5 4 3 2 1
Topic Coverage and Relevance	5 4 3 2 1
The objective of the Value Added Course was well-defined	5 4 3 2 1
The quality of content was excellent	5 4 3 2 1
The content was pertaining to my expectation	5 4 3 2 1
Value Added Course materials & proceedings	5 4 3 2 1
Accommodation/ Catering	5 4 3 2 1

3. **Overall Experience about the Value Added Course**   5 4 3 2 1

Excellent = 5, Very Good = 4, Good = 3, Average = 2, Poor = 1

To be on the mailing list for the future value added course. Please give us your contact details.

Name: R.: Akila......................

Signature: R. Akila......................

Please hand over this completed form to the value added course coordinator on your departure.

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

VALUE ADDED COURSE EVALUATION FORM

Title : Digital Signal and Digital Image Processing

Date : 19.12.2017 to 23.12.2017   **Dept. Name:** ECE

Coordinators Name : L. Ramachandran & T. Senthil kumar

1. Value added course Content

Please rate the sessions you attended by specifying the number using the scale: Excellent = 5, Very Good = 4, Good = 3, Average = 2, Poor = 1

Session No.	Speaker Name	Identified Topics	Duration of the session	Topic Coverage and Relevance	preparedness
1	Dr. K. Babu	5	5	4	4

Please mention your favourite speaker at the Value Added Course....................................

2. **Overall Organisation of the Value Added Course**

Please rate the following aspects of the Value Added Course organisation and administration
Excellent = 5, Very Good = 4, Good = 3, Average = 2, Poor = 1

Overall Content Identified/ Topics/ Duration of the session	5 **4** 3 2 1
Topic Coverage and Relevance	**5** 4 3 2 1
The objective of the Value Added Course was well-defined	**5** 4 3 2 1
The quality of content was excellent	**5** 4 3 2 1
The content was pertaining to my expectation	5 **4** 3 2 1
Value Added Course materials & proceedings	**5** 4 3 2 1
Accommodation/ Catering	5 **4** 3 2 1

3. **Overall Experience about the Value Added Course**   5 **4** 3 2 1

Excellent = 5, Very Good = 4, Good = 3, Average = 2, Poor = 1

To be on the mailing list for the future value added course. Please give us your contact details.

Name: S. Meena

Signature: S. Meena

Please hand over this completed form to the value added course coordinator on your departure.

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

VALUE ADDED COURSE EVALUATION FORM

Title : Digital Signal & Digital Image Processing

Date : 19.12.17 - 23.12.17   **Dept. Name:** ECE

Coordinators Name : L. Ramachandran

T. Senthil Kumar

1. Value added course Content

Please rate the sessions you attended by specifying the number using the scale: Excellent = 5, Very Good = 4, Good = 3, Average = 2, Poor = 1

Session No.	Speaker Name	Identified Topics	Duration of the session	Topic Coverage and Relevance	preparedness
1	Dr-K. Prabu	4	5	4	4

Please mention your favourite speaker at the Value Added Course.....................................

2. **Overall Organisation of the Value Added Course**

Please rate the following aspects of the Value Added Course organisation and administration

Excellent = 5, Very Good = 4, Good = 3, Average = 2, Poor = 1

Overall Content Identified/ Topics/ Duration of the session	5 **4** 3 2 1
Topic Coverage and Relevance	**5** 4 3 2 1
The objective of the Value Added Course was well-defined	5 **4** 3 2 1
The quality of content was excellent	5 **4** 3 2 1
The content was pertaining to my expectation	**5** 4 3 2 1
Value Added Course materials & proceedings	**5** 4 3 2 1
Accommodation/ Catering	5 **4** 3 2 1

3. **Overall Experience about the Value Added Course**   **5** 4 3 2 1

Excellent = 5, Very Good = 4, Good = 3, Average = 2, Poor = 1

To be on the mailing list for the future value added course. Please give us your contact details.

Name: ...R. Priya......................

Signature:......R. Priya.................

Please hand over this completed form to the value added course coordinator on your departure.

Feedback Analysis:

Information from participants feedbacks are collectively listed below

1. The topic coverage and relevance of this Value added course is very good. (Overall Rating 4)

2. The objective of the Value added course is clearly defined. (Overall Rating 4)

3. The quality of delivered contend is very good. (Overall Rating 4)

4. Session material is useful. (Overall Rating 3)

5. Refreshment is excellent. (Overall Rating 5)

M. Abinaya
E.G.S. Pillay Engineering College

E.G.S. PILLAY ENGINEERING COLLEGE,Nagapattinam
Department of Electronics and Communication Engineering

VALUE ADDED COURSE ON DIGITAL SIGNAL AND DIGITAL IMAGE PROCESSING

Objective Type Questions

1. The interface between an analog signal and a digital processor is
a. D/A converter
b. A/D converter ✓
c. Modulator
d. Demodulator

2. Telegraph signals are examples of
a. Digital signals ✓
b. Analog signals
c. Impulse signals
d. Pulse train

3. The Nyquist theorem for sampling
    1) Relates the conditions in time domain and frequency domain
    2) Helps in quantization
    3) Limits the bandwidth requirement
    4) Gives the spectrum of the signal

a. 1, 2 and 3 are correct
b. 1 and 2 are correct
c. 1 and 3 are correct ✓
d. All the four are correct

4. DTFT is the representation of
a. Periodic Discrete time signals
b. Aperiodic Discrete time signals ✓
c. Aperiodic continuous signals
d. Periodic continuous signals

5. Frequency selectivity characteristics of DFT refers to
a. Ability to resolve different frequency components from input signal
b. Ability to translate into frequency domain
c. Ability to convert into discrete signal ✓
d. None of the above

6. DIT algorithm divides the sequence into
a. Positive and negative values
b. Even and odd samples
c. Upper higher and lower spectrum
d. Small and large samples

7. The s plane and z plane are related as
a. $z = e^{sT}$
b. $z = e^{2sT}$
c. $z = 2e^{sT}$
d. $z = e^{sT}/2$

8. The similarity between the Fourier transform and the z transform is that
a. Both convert frequency spectrum domain to discrete time domain
b. Both convert discrete time domain to frequency spectrum domain
c. Both convert analog signal to digital signal
d. Both convert digital signal to analog signal

9. The anti causal sequences have _____ components in the left hand sequences.
a. Positive
b. Negative
c. Both a and b
d. None of the above

10. The transformations are required for
1) Analysis in time or frequency domain
2) Quantization
3) Easier operations
4) Modulation

a. 1, 2 and 3 are correct
b. 1 and 2 are correct
c. 1 and 3 are correct
d. All the four are correct

E.G.S. PILLAY ENGINEERING COLLEGE,Nagapattinam
Department of Electronics and Communication Engineering

VALUE ADDED COURSE ON DIGITAL SIGNAL AND DIGITAL IMAGE PROCESSING

Name of the Student: K. Roshini
Name of the Institution: E.G.S Pillay Engineering College

Objective Type Questions

1. **For an expanded power series method, the coefficients represent**
   a. Inverse sequence values
   b. Original sequence values
   c. Negative values only ✓
   d. Positive values only

2. **The region of convergence of $x/(1+2x+x^2)$ is**
   a. 0
   b. 1
   c. Negative ✓
   d. Positive

3. **For a system function H(s) to be stable**
   a. The zeros lie in left half of the s plane ✓
   b. The zeros lie in right half of the s plane
   c. The poles lie in left half of the s plane
   d. The poles lie in right half of the s plane

4. **The filter that may not be realized by approximation of derivatives techniques are**
   1) Band pass filters
   2) High pass filters
   3) Low pass filters
   4) Band reject filters

   a. 1,2 and 3 are correct
   b. 2 and 4 are correct ✓
   c. 2 and 3 are correct
   d. All the four are correct

5. **Which among the following represent/s the characteristic/s of an ideal filter?**
   a. Constant gain in passband
   b. Zero gain in stop band
   c. Linear Phase Response
   d. All of the above

6. **Imaging systems having physical artefacts embedded in the imaging sensors produce a set of points called _____**
   a) Tie Points
   b) Control Points
   c) Reseau Marks
   d) None of the Mentioned

7. **Image processing approaches operating directly on pixels of input image work directly in _____**
   a) Transform domain
   b) Spatial domain
   c) Inverse transformation
   d) None of the Mentioned

8. **What is the output of a smoothing, linear spatial filter?**
   a) Median of pixels
   b) Maximum of pixels
   c) Minimum of pixels
   d) Average of pixels

9. **Which of the following is the disadvantage of using smoothing filter?**
   a) Blur edges
   b) Blur inner pixels
   c) Remove sharp transitions
   d) Sharp edges

10. **Smoothing linear filter is also known as median filter.**
    a) True
    b) False

TEST QUESTIONS

Each Question carry one mark

1. How is array operation carried out involving one or more images?
a) array by array
b) pixel by pixel
c) column by column
d) row by row

2. The property indicating that the output of a linear operation due to the sum of two inputs is same as performing the operation on the inputs individually and then summing the results is called _____
a) additivity
b) heterogeneity
c) homogeneity
d) None of the Mentioned

3. The property indicating that the output of a linear operation to a constant times as input is the same as the output of operation due to original input multiplied by that constant is called _____
a) additivity
b) heterogeneity
c) homogeneity
d) None of the Mentioned

4. Enhancement of differences between images is based on the principle of _____
a) Additivity
b) Homogeneity
c) Subtraction
d) None of the Mentioned

5. A commercial use of Image Subtraction is _____
a) Mask mode radiography
b) MRI scan
c) CT scan
d) None of the Mentioned

6. Region of Interest (ROI) operations is commonly called as _____
a) Shading correction
b) Masking
c) Dilation
d) None of the Mentioned

7. If every element of a set A is also an element of a set B, then A is said to be a _____ of set B.
a) Disjoint set
b) Union
c) Subset
d) Complement set

8. Consider two regions A and B composed of foreground pixels. The _____ of these two sets is the set of elements belonging to set A or set B or both.
a) OR
b) AND
c) NOT
d) XOR

9. Imaging systems having physical artefacts embedded in the imaging sensors produce a set of points called _____
a) Tie Points
b) Control Points
c) Reseau Marks
d) None of the Mentioned

10. Image processing approaches operating directly on pixels of input image work directly in _____
a) Transform domain
b) Spatial domain
c) Inverse transformation
d) None of the Mentioned

E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
Department of Electronics and Communication Engineering

ORGANIZED

Value Added Course
on
"Digital Signal and Digital Image Processing"

Mapping with POs

PO➡ Event⬇	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P1O	PO11	PO12	PSO1	PSO2
Digital Signal and Digital Image Processing	3	3	3	2	2	-	-	-	-	-	-	2	3	-

Attainment Calculations:

S. No	Name	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total marks
820814106001	AARTHI.A	2	2	2	2	2	2	2	2	2	0	18
820814106002	ABINAYA M	2	2	2	2	2	0	2	2	2	2	18
820814106003	AGALYA M	2	2	2	2	2	2	0	2	2	2	18
820814106004	AGALYA R	2	2	2	2	2	0	2	2	2	2	18
820814106005	AHALYA.G	2	2	2	2	2	2	0	2	2	2	18
820814106006	AKILA.R	2	2	2	2	2	0	2	2	2	2	18
820814106007	AKILANDESWARI.R	2	2	2	2	2	2	2	2	0	2	18
820814106008	ALEXANDAR U	2	2	2	2	2	0	2	2	0	2	16
820814106009	ALEXANDER C	2	2	2	2	2	2	2	2	2	2	20
820814106010	ANITHA C	2	2	2	0	2	2	2	2	0	0	14
820814106012	ARAVINTHAN G	2	2	2	2	2	2	2	2	2	2	20
820814106013	ARCHANA A	2	2	2	2	2	2	2	2	2	2	20
820814106014	ARIVANANTHAM R	2	2	2	2	2	2	2	2	0	0	16
820814106015	ARUNRAJ V	2	2	2	2	2	2	2	2	0	2	18
820814106016	ASLAM ARSATH J	2	2	2	2	2	2	2	2	2	2	20

820814106017	BAVITHA N	2	2	0	2	2	2	2	2	2	2	18
820814106018	DHARANYA J	2	2	2	2	2	2	2	2	2	2	20
820814106019	DHINESH A	2	2	2	2	2	2	2	2	2	0	18
820814106020	DHIVYA.R	2	2	2	2	2	2	0	2	2	2	18
820814106021	DURAIMURUGAN J	2	2	2	2	2	2	2	2	2	0	18
820814106022	DURGADEVI J	2	2	2	2	0	2	2	2	2	2	18
820814106023	DURGADEVI.S	2	2	2	2	2	2	2	0	2	2	18
820814106024	ELAVARASAN E	0	2	2	0	2	2	2	2	2	2	16
820814106025	ELAVARASI .M	2	2	2	2	2	2	2	2	2	2	20
820814106026	FATHIMA FARVIN.A	2	2	0	2	2	2	2	2	2	2	18
820814106027	GAYATHIRI R	2	2	2	2	2	2	2	2	2	0	18
820814106028	GOPPERUNDEVI T	2	2	2	2	2	2	2	2	0	2	18
820814106029	KALAIVANI P	2	2	0	2	2	2	2	2	2	0	16
820814106030	KALKIYA.R	0	0	2	2	2	2	0	2	2	0	12
820814106031	KANAGASUNDARA M M	2	2	2	2	2	2	2	2	2	2	20
820814106032	KARPAHAMBAL S	0	2	2	2	2	2	2	2	2	0	16
820814106033	KARTHIKA R	2	2	2	0	2	2	2	2	2	2	18
820814106034	KEERTHANA R	0	2	2	2	2	2	0	0	0	0	10
820814106035	KIRUTHIKA M	2	2	2	2	2	2	2	2	2	2	20
820814106036	KIRUTHIKA.N	2	0	2	0	2	2	2	2	2	2	16
820814106037	KIRUTHIKA S	0	2	2	2	2	2	2	0	2	2	16
820814106038	KOWSALYA K	2	2	2	2	2	0	2	0	2	0	14
820814106039	MADHAVAN M	2	2	2	2	2	2	2	2	2	0	18
820814106040	MADHAVI B	2	2	2	0	2	2	2	2	0	2	16
820814106041	MANIBHARATHI.K	2	2	2	2	2	0	2	2	2	2	18
820814106042	MANIKANDAN S	2	2	2	2	0	2	2	0	2	2	16
820814106043	MANIMEHALAI G	2	2	2	2	2	2	2	2	2	2	20
820814106044	MANIMOZHI R	2	0	0	2	2	2	2	2	2	0	14
820814106045	MANISHAMALINI S	2	2	0	2	2	2	2	2	2	2	18
820814106046	MEENA S	2	2	2	2	2	2	2	2	2	2	20
820814106047	MEENAKSHI R	2	2	2	2	2	2	2	2	2	2	20
820814106049	MOHAMED SYED ALI.S	0	0	2	2	2	0	2	0	0	2	10
820814106050	NAFILA SHAFREEN N	2	2	2	2	2	2	2	2	2	2	20
820814106051	NIVETHA R	2	0	0	2	2	2	2	0	0	2	12
820814106052	PANDEESHWARI K	2	2	2	2	0	2	2	2	2	2	18

820814106053	PAVITHRA M	0	2	2	0	2	2	2	2	0	2	14
820814106054	PAVITHRA S	2	0	2	2	2	2	2	2	2	2	18
820814106055	PRABHAVATHY B	2	2	2	2	2	2	2	2	2	2	20
820814106056	PRAKASH S	2	2	2	2	2	2	2	2	2	2	20
820814106057	PRIYA R	2	2	2	2	2	2	2	2	2	2	20
820814106058	PRIYA DHARSHINI K	2	0	0	2	2	2	2	2	0	2	14
820814106059	PRIYANGA GANDI M	2	2	2	2	2	2	0	2	2	0	16
820814106060	PRIYANKA A	0	2	2	2	2	2	2	2	2	2	18
820814106061	PUNITHA P	2	2	2	2	2	2	2	2	2	2	20
820814106063	RAGU`R	0	2	2	2	2	2	0	2	2	2	16
820814106064	RAJALAKSHMI M	2	0	2	0	2	2	2	2	0	2	14
820814106065	RAKSHIHA P	2	2	2	2	2	2	2	2	2	2	20
820814106066	RANJANI R	0	2	2	2	2	0	2	2	2	2	16
820814106067	RANJITHA R (23.07.97)	2	0	2	2	2	0	2	2	2	2	16
820814106068	RANJITHA R (25.12.96)	2	2	2	2	2	2	2	2	2	2	20
820814106069	ROSHINI K	2	2	2	0	2	0	2	2	0	2	14
820814106070	SANDHIYA M	2	2	2	2	2	0	0	2	0	0	12
820814106071	SANTHIRALEKA S	2	2	2	2	2	2	0	2	0	0	14
820814106072	SANTHIYA K	2	2	2	2	2	2	0	2	0	0	14
820814106073	SARAVANAN R	2	2	2	2	2	2	2	2	0	2	18
820814106074	SATHIYAN P	2	2	2	2	2	2	2	2	0	2	18
820814106075	SEETHALADEVI R	2	0	2	2	2	2	2	2	0	2	16
820814106076	SELVAPRIYA G	2	2	2	2	2	2	0	2	0	2	18
820814106077	SHAMILI K	2	2	2	2	2	2	2	2	2	2	20
820814106078	SHANTHOSH SHREE K K	2	2	0	2	2	2	2	2	2	2	18
820814106079	SINDHU LAKSHMI K	2	2	2	2	2	2	2	2	2	2	20
820814106080	SINTHANA S	2	2	0	0	2	2	0	0	2	2	12
820814106081	SIVABHARATHI M	2	2	2	2	2	2	2	2	0	0	16
820814106082	SIVARAJA M	2	0	2	2	2	2	2	2	0	2	16
820814106083	SIVASANKARI S	2	2	2	2	2	2	0	2	0	2	16
820814106084	SIVASRI S	2	2	2	2	2	2	2	2	2	2	20
820814106085	SOWMIYA P	2	2	0	2	2	2	2	2	2	2	18
820814106086	SOWMYA R	2	2	2	2	2	2	2	2	2	2	20
820814106087	STALIN A	2	2	2	2	2	2	2	2	2	2	20
820814106088	SUKUMAR S	2	2	2	2	0	0	2	2	2	2	16

Reg. No.	Name											Total
820814106090	SUSHMASANKARI M	2	2	2	2	2	2	2	2	2	2	20
820814106091	SWATHI K	2	2	2	0	2	2	2	2	0	0	14
820814106092	TAMILZHARASI M	2	2	2	2	2	2	2	2	2	2	20
820814106094	VEERA ARUN P	2	2	2	2	2	2	2	2	2	2	20
820814106095	VIJAYASRI B	2	2	2	2	2	2	2	2	0	0	16
820814106096	VINITH R	2	2	2	2	2	2	2	2	0	2	18
820814106097	VINOTHINI M	2	2	2	2	2	2	2	2	2	2	20
820814106098	YUVARANI S	2	2	0	2	2	2	2	2	2	2	18
820814106301	KANIMOZHI. M	2	2	2	2	2	2	2	2	2	2	20
820814106302	MALATHI. N	2	2	2	2	2	2	2	2	2	2	20
820814106303	MOHAMED FARHAN	2	2	2	0	2	2	2	2	0	0	14
820814106304	PONGANGADHARA N. M	2	2	2	2	2	2	2	2	2	2	20
820814106305	PRAVEEN. A	2	2	2	2	2	2	2	2	2	2	20
820814106306	SARATHCHANDRA N. V	2	2	2	2	2	2	2	2	2	2	20
820814106307	SRINIVASAN. K	2	0	2	0	2	0	2	2	0	0	10
820814106308	VIGNESH. D	2	2	2	2	2	2	2	2	2	2	20
TOTAL Marks		182	180	180	178	194	178	176	186	144	158	1758
Attainment percentage		90	89	89	88	96	88	87	92	71	78	87

Attainment Level 1: 60% – 69%
Attainment Level 2: 70% – 79%
Attainment Level 3: >=80%

Target	: 70% (14 Marks)
Total number of participants	: 101
Number of participants who got above target	: 94
Attainment Percentage	: 93%

Achieved attainment level is 3. (93%)

PO➡ Event⬇	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P1O	PO11	PO12	PSO1	PSO2
LABVIEW and its applications in signal processing	3	3	3	2	2	-	-	-	-	-	-	2	3	-

Coordinator's
(L. Ramachandran)
(T. Senthil Kumar)

HoD
(Dr. S.M.Ramesh)

ORGANIZED

Value Added Course on
on
"Digital Signal and Digital Image Processing"

Activity End Report:

1. Expected attainment level (3) of this activity is achieved.

2. Support of this activity to the relevant POs and PSOs is in the expected level.

3. From the student's feedback, this programme can be conducted for upcoming batch students.

Coordinator's
(L. Ramachandran)
(T. Senthil Kumar)

HoD
(Dr. S.M.Ramesh)

E.G.S.PILLAY ENGINEERING COLLEGE – NAGAPATTINAM
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

A REPORT

ON

FIVE DAYS VALUE ADDED COURSE ON "PCB circuit design with mini Projects"

DATE: 11. 12. 2017 to 16. 12. 2017

COORDINATORS: L.Ramachandran, AP/ECE &

T.Senthil Kumar, AP/ECE

RESOURCE PERSON

Mr.M.Dhavamani,

Trainer,

Vedha Technologies Software development and training company,

Chennai-600017.

From

The course coordinators,
Dept of Electronics and communication engineering,
E.G.S. Pillay engineering college,
Nagapattinam.

To

The Principal,
E.G.S. Pillay engineering college,
Nagapattinam.

Through: Proper channel

Respected sir,

Sub:- Permission to conduct value added course – Regarding

We are going to conduct 5 days value added course on "PCB design and circuits with mini Projects" from 11-12-2017 to 16-12-2017 for second year ECE 'A' students. Please permit us to conduct the same.

Thanking you.

Yours truly,

1. T.Senthil kumar(AP/ECE)
2. L.Ramachandran(AP/ECE)

Date: 05.12.2017

Place: Nagapattinam.

Forwarded to PDL

kindly forwarded to the secretary

E.G.S.Pillay Engineering College,Nagapattinam
Department of Electronics and communication engineering
Details of Value added course

Academic year   : 2017-2018 (ODD SEM)

Course title   : "PCB design and circuits with mini Projects".

Name of the resource person: **Mr.M.Dhavamani**

Vedha Technologies
Software development and training company
Chennai-600017.

Course duration   : 11-12-2017 to 16-12-2017

No of students   : 47

Fee per student   : Rs 900/-

Total amount for students   : Rs 42,300/-(47*900)

Budget

Total remuneration   : Rs 42,300.00

Resource person accommodation and food :Rs 7,500.00
(1500*5=7500)

Memento and shawl   :Rs 500.00

Total   :Rs 50,300.00
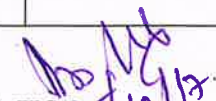
HEAD OF THE DEPARTMENT
Dept. of Electronics & Communication Engg
E.G.S Pillay Engineering College,
Nagapattinam - 611 002.

SHEDULE:

S. NO	DATE	SESSION	TITLE
1	11. 12. 2017	FN	Introduction about PCB
2		AN	Briefly explain about different types of sensors
3	13. 12. 2017	FN	Introduction about basics concepts of diptrace
4		AN	Program in diptrace
5	14. 12. 2017	FN	Introduction about robotics
6		AN	Lab in proteus
7	15. 12. 2017	FN	Soldering in general purpose board
8		AN	Soldering in PCB board
9	16. 12. 2017	FN	Mini projects
10		AN	

VEDHA TECHNOLOGIES

Make IT Better

Software Development and Training Company

ONE WEEK SHORT TERM COURSE
ON
PCB DESIGN AND CIRUITS

Organized by

Department of Electronics and Communication Engineering,
E. G. S. Pillay Engineering College,
Nagapattinam,
Tamil Nadu – 611002.

COURSE COORDINATORS

Mr. M. Dhavamani, M.E.,
Contact No: 9842084166
E-mail Id: dhavamani2000@gmail.com

COURSE CONTENT

Day 1 Theory and Practical Session

- Introduction to Robotics
- Introduction to PCB & Circuit Designing
- Basics of hardware and software
- New and upcoming Technologies

Day 2 Theory and Practical Session

- Introduction to Manual Robotics
- Motor principle explained
- Different types manual robots and their applications
- Controlling of motors through switches
- Gear assembly and calculations
- Different types of chassis design
- Concept of robotic events
- Practical
- To make a sound connections Designing of remote control
- Manual Robotics practical session
- Assembling of a robotic car

Day 3 Theory and Practical Session

- Introduction to PCB design software
- Different tools used for PCB designing
- Practical
- Hands on PCB design software
- Making different circuits

Day 4 Theory and Practical Session

- Different circuit on PCB design software
- Schematic of Different circuits
- Practical
- Designing different circuit
- Checking for errors

Day 5 Theory and Practical Session

- Soldering Methods.
- Safety Precautions
- Different Methods of Soldering
- Practical
- Soldering LED's on Zero PCB.
- Checking for errors

HEAD OF THE DEPARTMENT
Dept. of Electronics & Communication Engg.
E.G.S Pillay Engineering College,
Nagapattinam - 611 002.

E.G.S. PILLAY ENGINEERING COLLEGE
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
An ISO 9001 : 2008 Certified Institution
NAGAPATTINAM – 611002 TAMIL NADU INDIA
Ph : 04365-251112 / 251114 | E-mail:enquires@egspec.org | Website :
www.egspec.org

STUDENTS NAME LIST - II YEAR ECE – 'A' Name List (Batch: 2016 – 2020) -Fourth semester

1	820816106001	ABDUL HAMEED MARAICAR.B	41	820816106305	GOUSALYA.G
2	820816106002	ABINESH.M	42	820816106307	KARTHIKEYAN.M
3	820816106003	ABIRAMI.G	43	820816106308	LAVANYA.J
4	820816106004	ABIRAMI.S	44	820816106309	PADMA SRINIVASAN.S
5	820816106005	ABITHA.N	45	820816106311	PRAVIN.M
6	820816106006	AISHWARYA.J	46	820816106314	SHANMUGAPRIYA.M
7	820816106007	AJEETHA.B	47	820816106315	SHAPNA PRIYA.S
8	820816106008	AKASH.M			
9	820816106009	AKILAN.A			
10	820816106010	AMARNATH.A			
11	820816106011	ANU.S			
12	820816106012	ANUSHA.S			
13	820816106013	ANUSUYA.M			
14	820816106014	ARTHI.A			
15	820816106015	ARTHI.E			
16	820816106016	ARUL.H			
17	820816106017	ARUL FRANKLIN. A			
18	820816106018	BALAGANESH.A			
19	820816106019	BALASRI.R			
20	820816106020	BAVATHARANI.G			
21	820816106021	CHANDRU.K			
22	820816106022	CHOLARAJAN.P			
23	820816106023	DHIVYA.A			
24	820816106024	DIVYA.E			
25	820816106025	GAYATHRI.R			
26	820816106026	GOPIKA.S			
27	820816106028	HARITHA.R			
28	820816106029	HEMA.S			
29	820816106030	ISWARYA.G			
30	820816106031	JANNATHUL FIRTHOUS.H			
31	820816106032	JAYA ANTONY RAJ.M			
32	820816106033	JEEVITHA.A			
33	820816106034	JESIRA.J			
34	820816106035	KABILESH.S			
35	820816106036	KARPAGAVALLI .R			
36	820816106037	KAVIYA.M			
37	820816106038	KEERTHANA.KS			
38	820816106039	KOWSALYA.A			
39	820816106040	MAHALAKSHMI.S			
40	820816106302	ANBARASAN.V			

CLASS COORDINATOR   HOD

EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING.
Expenditure details
5 DAYS VALUE ADDED COURSE ON "PCB circuit design with mini Projects"
Course duration: 11-12-2017 to 16-12-2017

S.NO	CONTENT	AMOUNT (Rs)
1	Break Fast, Lunch, Dinner & DA and accommodation for resource person	7500/-
2	Memento	500/-
3	Course Fee for resource person	39,600/-
	Total Amount	**47,600/-**

COURSE COORDINATOR

HOD

E.G.S.PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE ON "PCB DESIGN AND CIRCUITS"

CLASS: II ECE – A ATTENDANCE SHEET DATE: 11.12.17 to 15.12.17

SNO	REGISTER NUMBER	NAME	11.12.17 FN	11.12.17 AN	12.12.17 FN	12.12.17 AN	13.12.17 FN	13.12.17 AN	14.12.17 FN	14.12.17 AN	15.12.17 FN	15.12.17 AN
1	82081610106001	ABDUL HAMEED MARAICAR.B										
2	82081610106002	ABINESH.M		AB								
3	82081610106003	ABIRAMI.G		AB								
4	82081610106004	ABIRAMI.S		AB							AB	AB
5	82081610106005	ABITHA.N										
6	82081610106006	AISHWARYA.J										
7	82081610106007	~~AJEETHA.B~~						AB		AB		
8	82081610106008	AKASH.M										
9	82081610106009	AKILAN.A										
10	82081610106010	AMARNATH.A										
11	82081610106011	ANU.S	AB									
12	82081610106012	ANUSHA.S										AB
13	82081610106013	ANUSUYA.M	AB								AB	AB
14	82081610106014	ARTHI.A	AB			AB						
15	82081610106015	ARTHI.E										
16	82081610106016	ARUL.H		AB								
17	82081610106017	ARUL FRANKLIN. A										
18	82081610106018	BALAGANESH.A						CID Cricket match				
19	82081610106019	BALASRI.R									AB	AB
20	82081610106020	BAVATHARANI.G				AB					AB	AB
21	82081610106021	CHANDRU.K				AB					AB	AB
22	82081610106022	CHOLARAJAN.P										

From

       L.Ramachandran,
       Assistant Professor,
       Department of ECE,
       E.G.S.Pillay Engineering College,
       Nagapattinam.

To

       Mr.B.A.Naveen Antony,
       Assistant Professor,
       Department of EEE,
       E.G.S.Pillay Engineering College,
       Nagapattinam.

Sir,
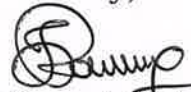
       Sub: Requesting for Generator Arrangement – Reg.

       I Kindly request you to provide generator arrangements and electrician support for value added course on "PCB circuit design with mini Projects" from 11-12-2017 to 16-12-2017 for second year ECE 'A' students in devices Lab .

       Thanking you,

Date: 09.12.17

Place: Nagapattinam .

Yours truly,

[L.Ramachandran]

FEED BACK FORM

Please provide your honest & fair evaluation about the course you have completed. Your comments will help us in improvement and extend best educational services.

Course/Module title:	**PCB circuit design with mini Projects**		
Course/Module starting date	11.12.2017	Course/Module end date	16.12.2017

A. Standard of training (Please tick the appropriate box)

Factor	Grade				
	Poor	Satisfactory	Good	Very good	Excellent
Meeting the course Objective			✓		
Practical Training			✓		
Lab / Classroom facilities				✓	
Course ware (if provided)			✓		

B. Faculty evaluation
(Please rate the faculty members in the scale 1-10 where 1 indicates poor and 10 excellent)

Factor	Name of faculty	
	S.Balamurugan	M.Dhavamani
Delivery of subject (Teaching)	8	6
Knowledge of subject matter & Practical exposure.	10.	7
Making the Course interesting & interactive	9	5
Overall Satisfaction	8	6.

C. What did you like most in the program?

program liked the good working.
software and hardware training.

D. Please mention your suggestions for improvement of the program (if any)?

the program PCB design circuit
any title is mini Project.

E. Any new topic(s) you feel should be covered in future programs?

software co. & hardware.
the soldering is the very useful.

G	Will you recommend this course to your friends/colleagues?	YES ✓
		NO

NAME	CHOLARAJAN.P.	E-mail ID	cholarajan701@gmail.com
SIGNATURE with Date	P. ⟍/16.12.17.	Phone No	7402189285

FEED BACK FORM

Please provide your honest & fair evaluation about the course you have completed. Your comments will help us in improvement and extend best educational services.

Course/Module title:	**PCB circuit design with mini Projects**		
Course/Module starting date	11.12.2017	Course/Module end date	16.12.2017

A. Standard of training (Please tick the appropriate box)

Factor	Grade				
	Poor	Satisfactory	Good	Very good	Excellent
Meeting the course Objective			✓		
Practical Training			✓		
Lab / Classroom facilities				✓	
Course ware (if provided)			✓		

B. Faculty evaluation
(Please rate the faculty members in the scale 1-10 where 1 indicates poor and 10 excellent)

Factor	Name of faculty	
	S.Balamurugan	M.Dhavamani
Delivery of subject (Teaching)	7	5
Knowledge of subject matter & Practical exposure.	7	7
Making the Course interesting & interactive	6	7
Overall Satisfaction	8	8

C. What did you like most in the program?

I like PCB design.

D. Please mention your suggestions for improvement of the program (if any)?

NO comments.

E. Any new topic(s) you feel should be covered in future programs?

Robotics.

G	Will you recommend this course to your friends/colleagues?	YES ✓
		NO

NAME	AMARNATH. A	E-mail ID	amar27027@gmail.com
SIGNATURE with Date	A. Amar 19/12/17	Phone No	9790509178

FEED BACK FORM

Please provide your honest& fair evaluation about the course you have completed. Your comments will help us in improvement and extend best educational services.

Course/Module title:	**PCB circuit design with mini Projects**		
Course/Module starting date	11.12.2017	Course/Module end date	16.12.2017

A. Standard of training (Please tick the appropriate box)

Factor	Grade				
	Poor	Satisfactory	Good	Very good	Excellent
Meeting the course Objective				✓	
Practical Training					✓
Lab / Classroom facilities			✓		
Course ware (if provided)					✓

B. Faculty evaluation

(Please rate the faculty members in the scale 1-10 where 1 indicates poor and 10 excellent)

Factor	Name of faculty	
	S.Balamurugan	M.Dhavamani
Delivery of subject (Teaching)	10	10
Knowledge of subject matter & Practical exposure.	10	10
Making the Course interesting & interactive	10	10
Overall Satisfaction	10	10

C. What did you like most in the program?

I Just like the team work and teaching facility

D. Please mention your suggestions for improvement of the program (if any)?

more classes For this Program to be encourage our khouloadge

E. Any new topic(s) you feel should be covered in future programs?

G	Will you recommend this course to your friends/colleagues?	YES ✓
		NO

NAME	N. ABITHA	E-mail ID	abithaabitha005@gmail.com
SIGNATURE with Date	N.Abi /16/12/2017	Phone No	8760485716

FEED BACK FORM

Please provide your honest& fair evaluation about the course you have completed. Your comments will help us in improvement and extend best educational services.

Course/Module title:	**PCB circuit design with mini Projects**		
Course/Module starting date	11.12.2017	Course/Module end date	16.12.2017

A. Standard of training (Please tick the appropriate box)

Factor	Grade				
	Poor	Satisfactory	Good	Very good	Excellent
Meeting the course Objective			✓		
Practical Training				✓	
Lab / Classroom facilities					✓
Course ware (if provided)				✓	

B. Faculty evaluation

(Please rate the faculty members in the scale 1-10 where 1 indicates poor and 10 excellent)

Factor	Name of faculty	
	S.Balamurugan	M.Dhavamani
Delivery of subject (Teaching)	9	9
Knowledge of subject matter & Practical exposure.	9	8
Making the Course interesting & interactive	8	10
Overall Satisfaction	8	9

C. What did you like most in the program?

practicals are made much than theory

D. Please mention your suggestions for improvement of the program (if any)?

Can be better improved by doing larger practicals

E. Any new topic(s) you feel should be covered in future programs?

G	Will you recommend this course to your friends/colleagues?	YES	✓
		NO	

NAME	AISHWARYA . J	E-mail ID	sonakesan@gmail.com
SIGNATURE with Date	16/12/17	Phone No	7598336698

FEED BACK FORM

Please provide your honest & fair evaluation about the course you have completed. Your comments will help us in improvement and extend best educational services.

Course/Module title:	**PCB circuit design with mini Projects**		
Course/Module starting date	11.12.2017	Course/Module end date	16.12.2017

A. Standard of training (Please tick the appropriate box)

Factor	Grade				
	Poor	Satisfactory	Good	Very good	Excellent
Meeting the course Objective				✓	
Practical Training				✓	
Lab / Classroom facilities			✓		
Course ware (if provided)				✓	

B. Faculty evaluation

(Please rate the faculty members in the scale 1-10 where 1 indicates poor and 10 excellent)

Factor	Name of faculty	
	S.Balamurugan	M.Dhavamani
Delivery of subject (Teaching)	8	7
Knowledge of subject matter & Practical exposure.	10	8
Making the Course interesting & interactive	9	9
Overall Satisfaction	8	8

C. What did you like most in the program?

practical training and faculty interaction

D. Please mention your suggestions for improvement of the program (if any)?

To improve more in practical knowledge and conduct various programs

E. Any new topic(s) you feel should be covered in future programs?

—

G	Will you recommend this course to your friends/colleagues?	YES ✓
		NO

NAME	K.S. Keerthana	E-mail ID	Keerthus12@gmail.com
SIGNATURE with Date	KS.koste 16.12.2017	Phone No	8973990210

VALUE ADDED COURSE –THEORY SESSION
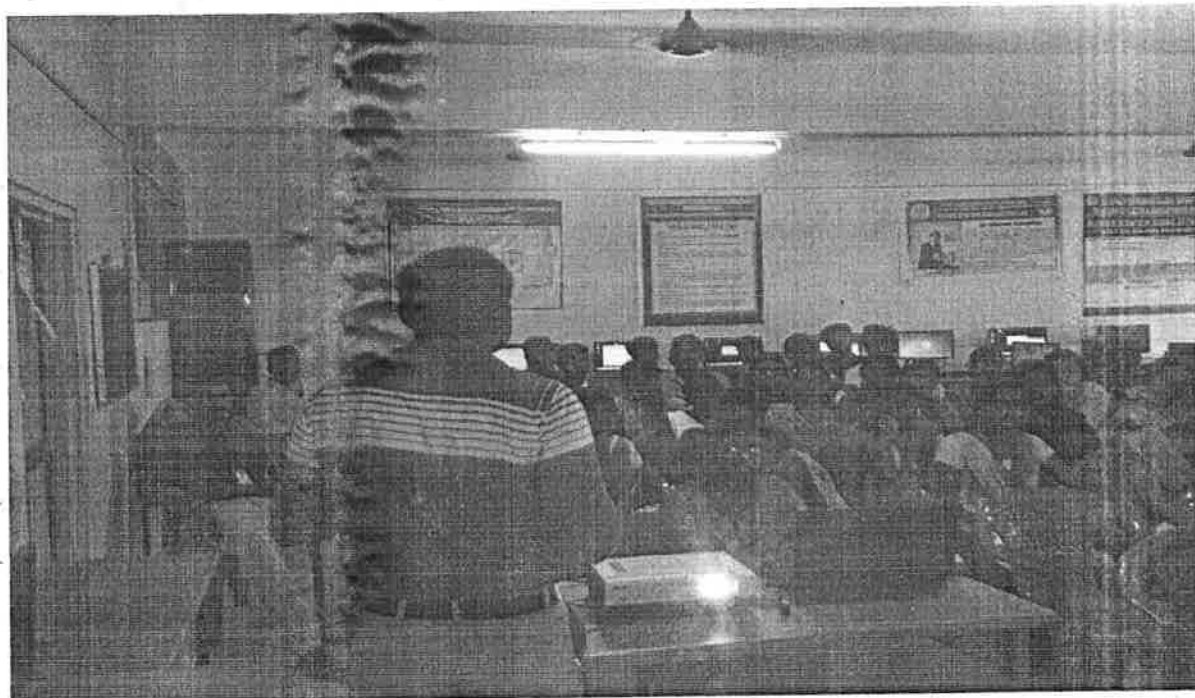
VALUE ADDED COURSE HANDS ON TRAINING
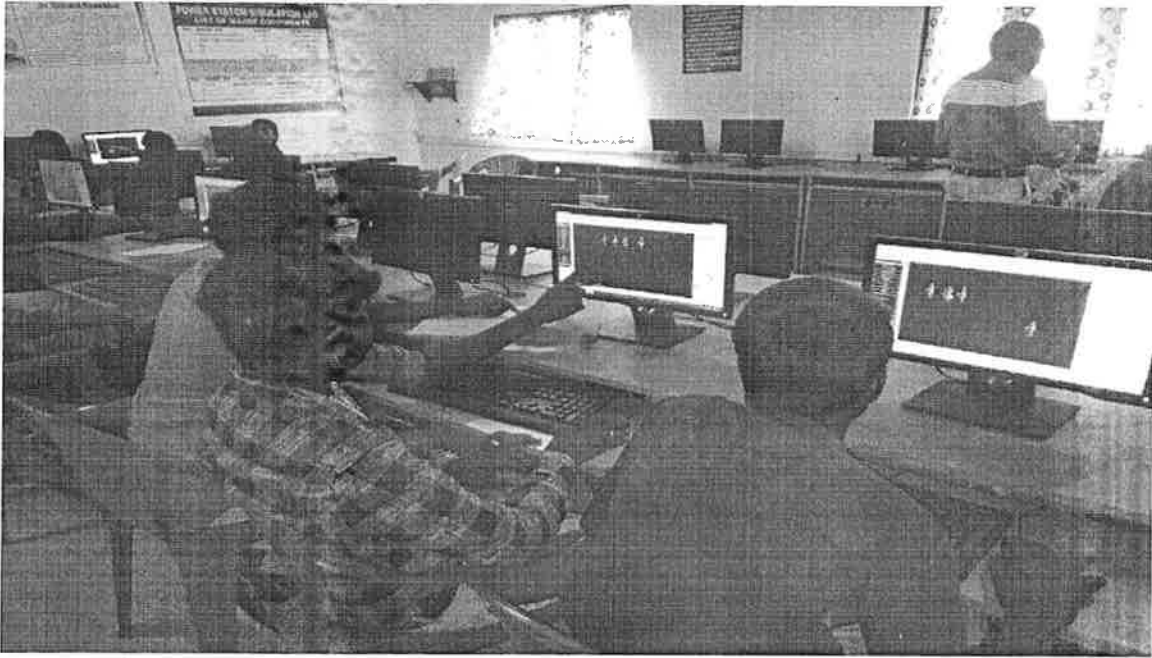
VALUE ADDED COURSE – CERTIFICATE DISTRIBUTION
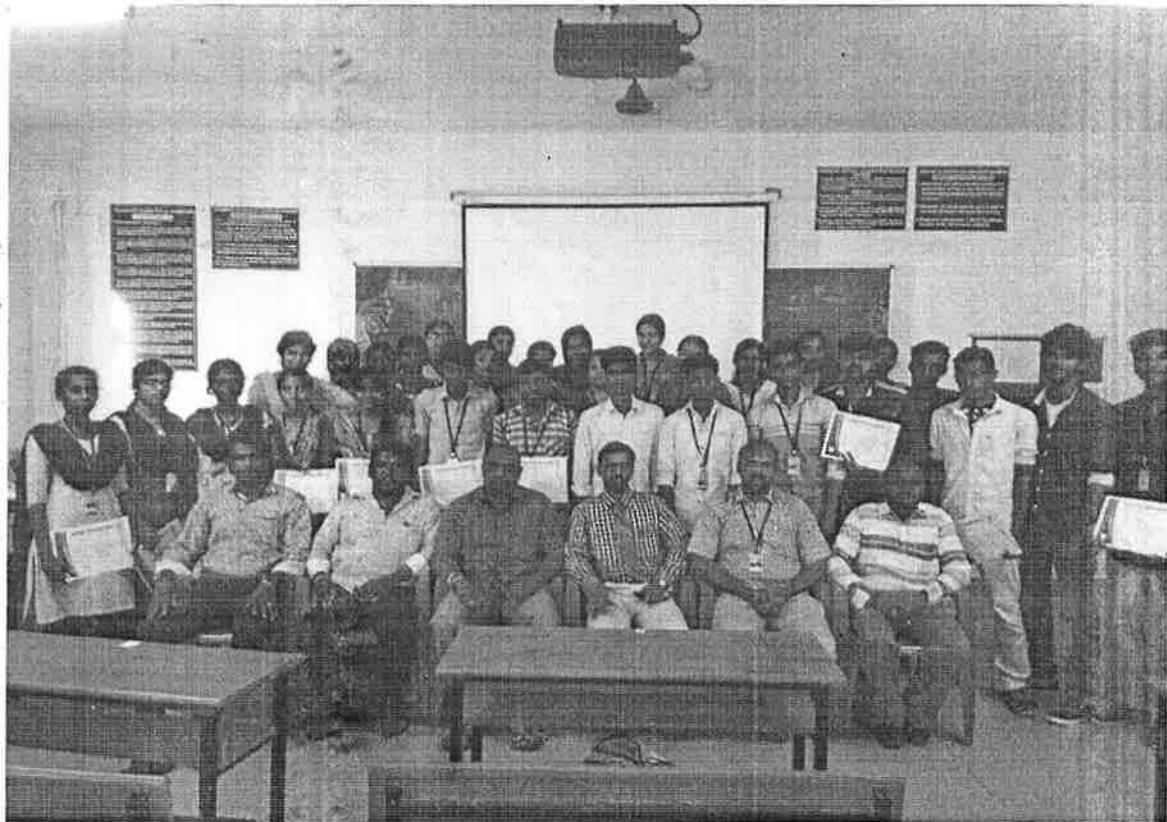
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

Nagapattinam – 611 002

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

ACCREDITED by NAAC With GRADE 'A'

Department of Electrical and Electronics Engineering (Accredited by NBA)

VALUE ADDED COURSE ON "INDUSTRIAL AND SAFETY MANAGEMENT"

Syllabus

Introduction to Safety

Industry Standards

Safety Codes

Regulations

Demonstrations

Real Time Study

Safety Evaluation

Course Overview

Resource PersonMr.K.Manimaran, Trainer

(National Institute of occupational safety and fire management)

Course Coordinator

Mr.B.Amalore Naveen Antony,AP/EEE

Mr.P.J.Suresh Babu, AP/EEE

ABOUT THE INSTITUTION

E. G. S. Pillay Engineering College (Autonomous) is one of the pioneering non-grant engineering Colleges in the State. It was established by the G. S. Pillay & Sons Educational & Charitable Trust, Nagapattinam in the year 1995 with the sanction of the Government of Tamil Nadu, approval of the All-India Council for Technical Education, New Delhi and affiliated to Anna University, Chennai. The college has accredited by NAAC with 'A' Grade and all the UG programmes are accredited by NBA. The College has earned the reputation of being one of the most preferred colleges by the students and parents all these years. Known for its excellent infrastructure and facilities for learning, the outstanding non-grant engineering college has registered impressive performance consistently. A gate-way to success, the college has now set on long-range planning to enlarge and enrich its programs and activities to empower the youth who aspire to become successful Engineers, Scientists and Managers. A gate-way to success, the college has now set on long-range planning to enlarge and enrich its programs and activities to empower the youth who aspire to become successful Engineers, Scientists and Managers.

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 centre of excellence in the emerging areas of research
✓ To offer continuing education and non-formal vocational education programmes that are beneficial to the society

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Department Vision

The department is envisioned to produce globally competent electrical and electronics engineering

Department Mission

✓ To impart the contemporary knowledge in the field of electrical and electronics engineering with high human values
✓ To offer state –of –the –art facilities for conducive learning and conducting research
✓ To train the students for professional career and higher education by imparting self-learning and interpersonal skills.

Date: 04-12-2017 to 08-12-2017

(Five Days)

Time: 9.30 am to 4.30 pm

E.G.S.PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

<u>CIRCULAR</u>
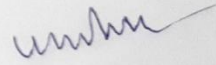
<u>INTERNAL COMMUNICATION</u>

04.12.2017

      All the final year year students are instructed to attend the value added course on **"Industrial and safety management"** to be held between 08.12.2017 to 12 .12.2017.

Venue: GGB 207

Time: 09.30 am – 04.30 pm

HOD/EEE

Copy to: IV year class incharge, all faculty members, non teaching staffs

E.G.S.Pillay Engineering College, Nagapattinam
Dept of Electrical and Electronics Engineering
VALUE ADDED COURSE
On
Industrial and safety management   2017 – 18

About the institution :

Our college is offering value added courses for all the students intended to
provide additional learner centric graded skill oriented technical training. The courses
enhance the ability of students in their respective domains and progress in
their respective field of studies.

About the department:

   Our department intends to provide additional technical knowledge and ensure the active
participation of students to practice in the multidisciplinary tasks and core related areas .

Course period:

  4.12.2017 to 8.12.2017

Course instructor:

          Mr.K.Manimaran, Trainer
          National Institute of occupational safety and fire safety management

Objectives

Objectives of providing value added courses are to
• Gain knowledge from the subject experts
• Meet the expectations of industry
• Improve the employability skills of the students

Courses Structure

✓ Industry experts / eminent academicians from other Institutes/ Subject Experts
from the respective departments teach the value added course
✓ The registration for the courses will be done at the beginning of academic year
✓ The duration of each course is 40 hours of Theory / Practical / Both

Expected Outcomes

Students will be able to
➢ Demonstrate their technical and communication skills
➢ Apply the novel technologies in their respective fields
✓ Face the challenges in the current industry scenario

Evaluation & Result

Evaluation of value added courses shall be carried out annually for 100 marks. Students
will be given certificates with the grades based on the marks scored in the Examination.

<u>Requisition Letter</u>

From

Mr.B.AMALORE NAVEEN ANTONY
Mr.P.J.SURESH BABU
Assistant Professor,
Dept. of Electrical and Electronics Engg.
E.G.S Pillay Engg. College.

To

The Secretary,
E.G.S.Pillay Engg. College,
Nagapattinam.

Respected Sir,

SUB: Request to approve and allocate fund for the five days course in "INDUSTRIAL &SAFETY MANAGEMENT" 4th -8rd of Dec2017 for the students of IV EEE.

Ref: Phone conversation between course coordinators and *Mr. K. Manimaran, Trainer, National Institute of Occupational Safety and Fire Safety Management.*

We have planned to conduct 5 days course in Diploma In Industrial & Safety Management for the IV year students of EEE with *"National Institute Of Occupational Safety And Fire Safety Management*, during the period 4th -8rd of Dec 2017.Details of Total students, course fee, course details, etc... are enclosed with this letter. So we request you to approve and allocate fund for the same.

Thanking You

Encl:

1. Course Details
2. Course Fee Details
3. Resource Person Details.
4. Expected Budget.

Nagapattinam

17.11.2017

1.
2.

Yours truly,
1. B.OMOLORE NAVEEN ANTO
2. SURESH BABU.P

A/c No ..... 8.4 ...... Date 23/14/2017
Cheque ..... CC0891 Amount 62,490/-
Sign ..... — PAID

EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS) – NAGAPATTINAM
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
VALUE ADDED COURSE
On
INDUSTRIAL &SAFETY MANAGEMENT
ATTENDENCE SHEET

CLASS: IV EEE

BATCH: 2014-18

S.NO	REGISTER NUMBER	STUDENT NAME	4.12.17		5.12.17		6.12.17		7.12.17		8.12.17	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	820814105001	Adhikesavan K	A	A	A	A	A	A	A	A	A	A
2.	820814105002	AhamedKabeer J	A	A	A	A	A	A	A	A	A	A
3.	820814105003	Alen A	A	A				R.A	R.A	R.A		A
4.	820814105004	Amreshpriyan G	A	A	A	A	A	A	A			
5.	820814105005	Angatha A										
6.	820814105006	AnuVelankanni D										
7.	820814105007	Aravindan V										
8.	820814105008	Aravinthan K										
9.	820814105009	Balakumar R										
10.	820814105010	Balakumar V										
11.	820814105011	Balamurali T										
12.	820814105012	DhilippanSakarayarthy P										
13.	820814105013	Dhinesh D	A	A	A	A	A	A	A	A	A	A
14.	820814105014	Donald Fernandas S										
15.	820814105015	Gopu B										
16.	820814105016	Harikrishnan D										
17.	820814105018	JayaSurya D										
18.	820814105019	Jeevaraj M	A	A	A	A	A	A	A	A	A	A
19.	820814105020	Kamali S										
20.	820814105021	KasmeerRayan T	A	A	A	A	A	A			A	A
21.	820814105022	Lavanya V										
22.	820814105023	Manikandan K	A	A	A	A	A	A	A	A	A	A
23.	820814105024	Manikandan P	A	A								
24.	820814105025	Manikandan S										
25.	820814105027	Monisha M										
26.	820814105028	Muthamizhan V										
27.	820814105029	Pavithra J P	A	A	A	A	A	A	A	A	A	A
28.	820814105030	Prasanth K	A	A	A	A	A	A	A	A	A	A
29.	820814105031	PraveenKumar M	mp	mp	mp	mp	mp	mp	mp	mp	mp	mp
30.	820814105032	Rabin P	A	A	A	A	A	A	A	A	A	A
31.	820814105033	Ragul R										
32.	820814105034	Rajesh R	A	A								
33.	820814105035	RajMohan A	A	A	A	A	A	A	A	A	A	A
34.	820814105037	Ravichandran K					OD	OD				
35.	820814105038	Rubiraj R	A	A	A	A	A	A	A	A	A	A
36.	820814105039	Sakthivel C										
37.	820814105040	Santhana N										
38.	820814105041	SanthoshKumar S										
39.	820814105042	Santhoshkumar P										
40.	820814105043	SanthoshRaj K	A	A	A	A	A	A	A	A	A	A
41.	820814105044	Saravanan G										

S.NO	REGISTER NUMBER	STUDENT NAME	4.12.17		5.12.17		6.12.17		7.12.17		8.12.17
			FN	AN	FN	AN	FN	AN	FN	AN	FN
42.	820814105045	Sathish.T	A	A	A	A	A	A	A		
43.	820814105046	Srinath M R	A	A	A	A	A	A	A	A	
44.	820814105048	Sudharsan S	A	A	A	A	A	A	A	A	
45.	820814105049	Sundar A									
46.	820814105050	SundharRaj P	A (OD)	A (OD)							
47.	820814105051	Vasanth P				OD	OD	OD			
48.	820814105053	Venkatakrishnan R									
49.	820814105054	Venkatesh Prasad J									
50.	820814105055	Vidhya V									
51.	820814105056	Vigneshwaran R									
52.	820814105057	Vijay K									
53.	820814105058	VimalRaj R	A	A	A	A	A	A	A		
54.	820814105301	K.Aravind									
55.	820814105302	Aravindkumar.A				OD	OD	OD			
56.	820814105303	Cholan. M.P	A	A	A	A	A	A	A		
57.	820814105304	Dineshkumar.R									
58.	820814105305	Divya.R									
59.	820814105306	Gangadharan.K									
60.	820814105307	Kalyankumar.S	A	A	A	A					
61.	820814105308	Meera.V					A	A	A	A	
62.	820814105309	Neelavani.S									
63.	820814105310	Rishwanthraj.L									
64.	820814105311	Sathyamoorthy.S					OD	OD			
65.	820814105312	Selvarani.S	A	A	A	A	A	A	A		
66.	820814105313	Surya.S									
67.	820814105314	Yuvaraj.S	A	A	A	A	A	A	A	A	

COURSE COORDINATORS

HOD

NO OF STUDENTS REGISTERED : 67

NO OF STUDENTS ATTENDED : 46

NO OF ABSENTEES : 21

One Week Value added course on

Industrial & safety Management

Event Photos

NIOS FIRE & SAFETY MANAGEMENT STUDIES
Corporate Member of National safety Council-Govt India
Run by National Social Awareness Foundation
An ISO 9001 : 2008 & OHSAS 18001 : 2007 Certified institution

AIAO-BAR
ACCREDITED
USA

This Certificate is awarded to

RISHWANTHRAJ . L

has successfully completed a comprehensive diploma program in fire &
safety management studies with active participation & presentation of
creative skills in assignments from the month of October 2017 - December 2017.

GRADE : A

FIRE & SAFETY

Corp Enrollment No: DISM3044

Date of Issue:08-12-2017

BMQR

Director

BMQR

Course Co-Ordinator

NIOS FIRE & SAFETY MANAGEMENT STUDIES
Corporate Member of National safety Council-Govt India
Run by National Social Awareness Foundation
An ISO 9001 : 2008 & OHSAS 18001 : 2007 Certified institution

AIAO-BAR
ACCREDITED
USA

This Certificate is awarded to

ANU VELANKANNI . D

has successfully completed a comprehensive diploma program in fire &
safety management studies with active participation & presentation of
creative skills in assignments from the month of October 2017 - December 2017.

GRADE : A

FIRE & SAFETY

Corp Enrollment No: DISM3004

Date of Issue:08-12-2017

BMQR

Director

BMQR
ISO 9001 CERTIFIED

Course Co-Ordinator

E.G.S Pillay Engineering College, Nagapattinam
Department of Electrical and Electronics Engineering
Value added course
On
INDUSTRICAL SAFETY &MANAGEMENT

COURSE FEEDBACK   Date: 4.12.2017 to 8.12.2017

Name of the student: V.Balakumar   **Register no:** 820514105060

(Score level 3- Good 2- Average 1-Poor put tick in the appropriate box)

1. Content of the course able to apply Engineering Knowledge

   1 ☐   2 ☐   3 ☑

2. Ability to analyse the problem, design solutions and components for complex engineering problems

   1 ☐   2 ☐   3 ☑

3. Whether to use research –based knowledge and research methods to provide valid conclusions

   1 ☐   2 ☐   3 ☑

4. Usage of modern engineering and IT tools

   1 ☐   2 ☐   3 ☑

5. Understand the impact of the professional engineering knowledge and assess the solutions in societal and environmental contexts

   1 ☐   2 ☐   3 ☑

6. Able to apply ethical principles and commit to professional ethics and responsibilities

   1 ☐   2 ☐   3 ☑

7. Ability to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings

   1 ☐   2 ☐   3 ☑

8. Communicate effectively on complex engineering activity and demonstrate knowledge in multidisciplinary environments

1 ☐   2 ☑   3 ☐

9. Ability to engage in independent and life-long learning in the broadest context of the technological change in this course

1 ☐   2 ☑   3 ☐

10. Resource person/ instructor clarity and presentation
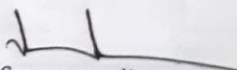
1 ☐   2 ☐   3 ☑

11. Arrangements and hospitality for the course

1 ☐   2 ☐   3 ☑

12. Any other points for the scope of improvement

Good programme - useful.

Course coordinator

E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

VALUE ADDED COURSE ON "INDUSTRIAL SAFETY &MANAGEMENT"

(04.12.2017 to 8.12.2017)

EXPENDITURE STATEMENT

IV EEE   **BATCH :2014-18**

S.NO	PARTICULARS	BILL DETAILS	AMOUNT SPENT (Rs.)
1	Banner	New Jeevi multimedia	325
2	shawl	saranya textiles	180
3	Tea &snacks	E.G.S.P Canteen	1889
		G.K.Tiffen centre	1150
		Amutha sweets	1090
		Uma food corner	1212
		Transportation	450
4	Programme report	Voucher	350
5	Media Expenses	Voucher	300
6	Course fee	46 *750 (Attendance enclosed)	34,500
		Total amount spent (Rs)	41,446
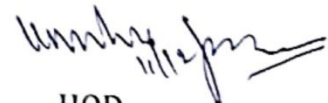
Fund allotted for value added course   : Rs 62,490

Fund utilized for the course   : Rs 41,446

Fund to be remitted to the account   : Rs 21,044

1.

2.

COURSE COORDINATOR   HOD

கல்லூரியில் பாதுகாப்பு மேலாண்மை பயிலரங்கம்

நாகை இஜிஎஸ் பிள்ளை பொறியியல் கல்லூரியில் மின்னி யல் மற்றும் மின்னணு வியல்துறை சார்பில் இறுதியாண்டு மாண வர்களுக்கு தொழிற் சாலை பாதுகாப்பு மேலாண்மை குறித்த பயிலரங்கம் நடந்தது.

கல்லூரி முதல்வர் ராமபாலன் தலைமை வகித் தார். இஜிஎஸ் பிள்ளை கல்வி நிறுவனங்களின் செயலாளர் பரமேஸ்வரன் முன்னிலை வகித்தார். மின்னியல் துறைத்தலைவர் மோகன் பயிலரங்கை தொ டங்கி வைத்தார். என்ஜஒ எஸ் டீ மற்றும் பாதுகாப்பு மேலாண்மை நிறுவன ஒருங்கிணைப்பாளர் மணிமாறன் கலந்து

நாகை இஜிஎஸ் பிள்ளை பொறியியல் கல்லூரியில் மின்னியல் மற்று மின்னணுவியல்துறை சார்பில் தொழிற்சாலை பாதுகாப்பு மேலாண்மை குறித் பயிலரங்கம் நடந்தது.

கொண்டு தொழிற்சாலை களில் தீவிபத்தை தடுக்க மேற்கொள்ளப்படும் பாது காப்பு பணிகள், வேலை செய்யும் இடங்களில் மேற் கொள்ளவேண்டிய பாது காப்பு மேலாண்மைகள் குறித்து விளக்கினார்.

மேலும் தீ தடுப்பு மேலாண்மை பணிகளில் காத்திருக்கும் வேலை வாய்ப்புகள் குறித்து தெரிவித்தார்.

ஒருவார கால பயில ரங்களில் மாணவர்களுக்கு

பாதுகாப்பு மேலாண்ண குறித்து பல சந்தேகங்க மற்றும் செயல்முக விளக்க அனுபவங்க பெற்றனர். ஏற்பாடுகளை பேராசிரியர் நவீன் ஆண் டணி மற்றும் ஆசிரியர்கள் செய்திருந்தனர்.

E.G.S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM, TAMILNADU, INDIA – 611002

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

An ISO 9001: 2008 Certified Institution

Department Of Computer Science & Engineering

Organized

ONE WEEK

VALUE ADDED COURSE

ON

WEB DEVELOPMENT

USING PHP & MYSQL

EGS PILLAY ENGINEERING COLLEGE – NAGAPATTINAM

DEPARTMENT OF CSE

Value Added Course on

"Web Development using PHP & MYSQL"

DATE: 27.11.2017 – 02.12.2017

TABLE OF CONTENT

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1	Circular
2	Brochure
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4	Programme Schedule
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7	Study material
8	Feedback
9	Feedback Analysis Report
10	Assessment Questions & Sample Answer Sheet
11	Impact Analysis Report
12	Photos

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

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

DEPARTMENT COMPUTER SCIENCE AND ENGINEERING

Date: 22.11.2017

CIRCULAR

It is here by informed that Department of CSE is going to organize a Value Added Course on "Web Development using PHP & MYSQL" from 27.11.2017 to 02.12.2017 (9.30 am to 4.30 pm) by, **Mr.S.ARAVINTHAN, Assistant Professor, Department of Computer Science and Engineering, EGSPEC** for third year CSE Students. All the third year students are instructed to attend the course without fail.

HoD/CSE

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BROCHURE

ABOUT THE COLLEGE

EGS Pillay Engineering College was started in the year 1995 under the sponsorship of G. S. Pillay & Sons Educational and Charitable Trust. College has gained the reputation of being most preferred engineering college by the students. College is approved by the AICTE, New Delhi and is affiliated to Anna University from 2002 and the degrees are awarded by Anna University, as per the Government Orders. It is ISO 9001:2008 certified.

The College has earned the reputation of being one of the most preferred colleges by the students and parents all these years. Known for its excellent infrastructure and facilities for learning, the outstanding non-grant engineering college has registered impressive performance consistently. A gateway to success, the college has now set on long-range planning to enlarge and enrich its programs and activities to empower the youth who aspire to become successful Engineers, Scientists and Managers.

Why E G S P E C
A gate-way to success, the college has now set on long-range planning to enlarge and enrich its programs and activities to empower the youth who aspire to become successful Engineers, Scientists and Managers.

SIX DAYS VALUE ADDED COURSE ON "WEB DEVELOPMENT USING PHP & MYSQL"
from
NOV 27 - DEC 02, 2017

Organised by
Department of Computer Science and Engineering
at

E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'A' Grade & NBA
Old Nagore Road, Thethi, Nagapattinam - 611002,Tamil Nadu,India

www.egspec.org | principal@egspec.org | enquiries@egspec.org
+91-4365-251112 | +91-4365-251114

ABOUT THE DEPARTMENT

Department of Computer Science and Engineering programme was introduced at Edayathangudy G.S.Pillay Engineering College in the Academic Year 1995-1996. The demand for Computer Engineers in software companies, banking sectors and private sectors engaged in developing new trends of software generation is more than the engineers available.

The department has Recognized Research Centre for doing PhD / M.S. (By Research), obtained Permanent Affiliation from Anna University in the year 2014-15. The department has formed student association namely Computer Engineers Association (CEA) to promote talent of the students and their upliftment. The department has highly qualified and experienced faculties. The department has well experienced faculties in the research and more number of publications in reputed Journals and Conferences.

The department has well infrastructural facilities. From 2011 onwards every year, we are conducting International and National conferences. The B.E (CSE) programme was accredited by NBA in the year 2016.

Course Objective

1. Understand the principles of creating an effective web page, including an in-depth consideration of information architecture.

2. Become familiar with graphic design principles that relate to web design and learn how to implement theories into practice.

3. Develop skills in analyzing the usability of a web site.

4. Learn the language of the web: HTML and CSS.

Course Coverage

INTRODUCTION TO HTML
XHTML Evolution of HTML and XHTML- Standard XHTML Document Structure- Basic Text Markup- Images-Hypertext Links-Lists-Tables- Forms- Frames. Cascading Style Sheets Introduction to CSS – Levels of Style Sheets- Style Specification Formats- Selector Forms- Property Value Forms – Font Properties- List- Properties – Color- Alignment of Text – Background Images- Span and Div Tags.

XML
Introduction to SGML – features of XML - XML as a subset of SGML – XML Vs HTML – Views of an XML document - Syntax of XML- XML Document Structure – Namespaces- XML Schem as simple XML documents – Different forms of markup that can occur in XML documents - Document Type declarations – Creating XML DTDs – Displaying XML Data in HTML browser – Converting XML to HTML with XSL minimalist XSL style sheets – XML applications

PHP
Origin and Use of PHP - Overview of PHP - General Syntactic Characteristics Operations and Expressions - Control Statements - Arrays- Functions - Pattern Matching - Form Handling- Files Cookies - Session Tracking - Simple programs in PHP.

MYSQL
Use of MYSQL- Overview of SQL queries - Database Connectivity and MySQL.

Convenor:
Prof.Dr.M.CHINNADURAI
PROFESSOR & HEAD / CSE

Course Coordinators:
Dr.T.GANESAN
PROFESSOR / CSE
&
Mr.S.ARAVINTHAN
ASSISTANT PROFESSOR / CSE

Resource Person :
Mr.S.ARAVINDHAN
ASSISTANT PROFESSOR / CSE

Course Duration : 36 Hours

BENEFICIARIES
III CSE UG Students
(2015- 2019 Batch)

Certificate will be issued to all participants on successful completion of this course

About Value Added Course

Value Added Courses are those that are designed to raise students' standards above and beyond the levels specified in the academic curriculum. Value-added courses are included in the curriculum to improve students' employability. Value-added courses are taught by department faculty or by collaborating with the industry to bridge the gap between the curriculum and the needs of the industry.

Importance of Value Added Courses

The incorporation of value-added courses should concentrate on leveraging the talent and innovative capabilities of aspiring professionals to meet the needs of today's dynamic business environment, thus making the student more industry ready. The value-added programs supplement students' learning and prepare them for the challenges of professional life.

Another pressing need for the addition of these courses in higher education institutions is to give students the option of designing their own degree, thereby facilitating cross-disciplinary education, by allowing students to choose courses from multiple disciplines

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SYLLABUS

VALUE ADDED COURSE ON WEB DEVELOPMENT USING PHP & MYSQL			
COURSE OBJECTIVES:			
	1. To impart the new concepts in Web Technologies		
	2. To develop understanding about the different technologies used in the World Wide Web including XML, Perl, Rails and PHP		
Module I	**INTRODUCTION TO HTML**		**9 Hours**
XHTML Evolution of HTML and XHTML- Standard XHTML Document Structure- Basic Text Markup- Images-Hypertext Links-Lists- Tables- Forms- Frames. Cascading Style Sheets Introduction to CSS – Levels of Style Sheets- Style Specification Formats- Selector Forms- Property Value Forms – Font Properties- List Properties – Color- Alignment of Text – Background Images- Span and Div Tags.			
Module II	**XML**		**9 Hours**
Introduction to SGML – features of XML - XML as a subset of SGML – XML Vs HTML – Views of an XML document - Syntax of XML- XML Document Structure – Namespaces- XML Schem as simple XML documents – Different forms of markup that can occur in XML documents - Document Type declarations – Creating XML DTDs – Displaying XML Data in HTML browser – Converting XML to HTML with XSL minimalist XSL style sheets – XML applications			
Module III	**PHP**		**9 Hours**
Origin and Use of PHP- Overview of PHP- General Syntactic Characteristics Operations and Expressions- Control Statements- Arrays- Functions-Pattern Matching- Form Handling-FilesCookies-Session Tracking -, Simple programs in PHP.			
Module IV	**MYSQL**		**9 Hours**
Use of MYSQL- Overview of SQL queries - Database Connectivity and MySQL.			
		Total:	**36 Hours**
COURSE OUTCOMES:			
	After completion of the course, Student will be able to		
CO1	Develop web pages using basic HTML		
CO2	Apply XML techniques in web design		
CO3	Implement PHP Programs		
CO4	Develop MySQL database connectivity for real world applications		
REFERENCES:			
1. Deitel & Deitel, Nieto, Lin, Sadhu, XML How to Program, Pearson Education ,New Delhi, 2016			
2. Kogent Learning Solutions Inc, Web Technologies Black Book, Dreamtech Press, New Delhi, 2013			

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PROGRAMME SCHEDULE

S. NO	DAY	DATE	TOPIC
1	DAY 1	27/11/2017	XHTML Evolution of HTML and XHTML- Standard XHTML Document Structure- Basic Text Markup- Images-Hypertext Links- Lists- Tables- Forms- Frames.
2	DAY 2	28/11/2017	Cascading Style Sheets Introduction to CSS – Levels of Style Sheets- Style Specification Formats- Selector Forms- Property Value Forms – Font Properties- List Properties – Color- Alignment of Text – Background Images- Span and Div Tags.
3	DAY 3	29/11/2017	Introduction to SGML – features of XML - XML as a subset of SGML – XML Vs HTML – Views of an XML document - Syntax of XML- XML Document Structure – Namespaces- XML Schem as simple XML documents – Different forms of markup that can occur in XML documents - Document Type declarations – Creating XML DTDs – Displaying XML Data in HTML browser – Converting XML to HTML with XSL minimalist XSL style sheets – XML applications
4	DAY 4	30/11/2017	Origin and Use of PHP- Overview of PHP- General Syntactic Characteristics Operations and Expressions- Control Statements- Arrays- Functions-Pattern Matching- Form Handling- FilesCookies-Session Tracking.
5	DAY 5	01/12/2017	Use of MYSQL- Overview of SQL queries - Database Connectivity and MySQL.
6	DAY 6	02/12/2017	Practice Session
Assessment Test

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Course developed, coordinated and taught by

Prof. S.Aravindhan
Assistant Professor
Department of CSE
E.G.S Pillay Engineering College.
Nagapattinam – 611002.

Dr.T.Ganesan
Professor
Department of CSE
E.G.S Pillay Engineering College.
Nagapattinam – 611002.

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STUDENTS ENROLLMENT LIST

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

DEPARTMENT OF CSE

VALUE ADDED COURSE

The following list of students have enrolled for the Value Added Course on "WEB DEVELOPMENT USING PHP & MYSQL" from 27.11.2017 – 02.12.2017 (6 Days).

S.No	Register Number	Name of Student
1.	820815104001	Abinaya K
2.	820815104002	Abinaya. R
3.	820815104003	Aishwarya S
4.	820815104004	Ajay R
5.	820815104005	Akalya S
6.	820815104006	Anbukani A
7.	820815104007	Aravinth.R
8.	820815104008	Arthi G
9.	820815104009	Arul Mary. A
10.	820815104010	Aruna Devi P
11.	820815104011	Arun Kumar. R
12.	820815104012	Bhuvaneshwari R
13.	820815104013	Deepika S
14.	820815104014	Desiga. K
15.	820815104015	Devi R
16.	820815104016	Dharmakaviraj B
17.	820815104017	Dhevasena. Rm
18.	820815104018	Dhivya M
19.	820815104019	Dhivyabarathi M
20.	820815104020	Divya M
21.	820815104021	Elakkia G
22.	820815104022	Geetha.R
23.	820815104023	Gowri C
24.	820815104024	Gunachitra G
25.	820815104025	Hadjinisa. M
26.	820815104026	Hameed Sulthan Maricar M
27.	820815104027	Indira. N
28.	820815104028	Janarthanam V
29.	820815104029	Kalaimani K
30.	820815104030	Kalaiyarasi. K
31.	820815104031	Karthi. L
32.	820815104032	Karthika.M
33.	820815104033	Karthika S
34.	820815104034	Karthikayani S
35.	820815104035	Kavashkar. S
36.	820815104036	Kaviyazhagan G
37.	820815104037	Kowsalya S
38.	820815104038	Lavanya.M

39.	820815104039	Mahalakshmi R
40.	820815104040	Mahalakshmi.R
41.	820815104041	Maheswari.S
42.	820815104042	Mangaiyarkarasi .G
43.	820815104043	Manikandan. P
44.	820815104044	Mathan Narayanan Samy.P
45.	820815104045	Meena T
46.	820815104046	Mohamed Faisal R
47.	820815104047	Mohamed Farwesh.M
48.	820815104048	Natarajan. A
49.	820815104049	Nivedha. K
50.	820815104050	Nivetha N
51.	820815104051	Oviya. K
52.	820815104052	Pavithra. R
53.	820815104053	Preethi. B
54.	820815104054	Preethi S
55.	820815104055	Priadharshini. S
56.	820815104056	Priyadharshini. P
57.	820815104057	Priadharshini R
58.	820815104058	Priyanga C
59.	820815104059	Ragaranjani. R
60.	820815104060	Rajalakshmi.G
61.	820815104061	Ranjani S
62.	820815104062	Sabitha.S
63.	820815104063	Sajee.C
64.	820815104064	Sakthivel C
65.	820815104065	Sandhiya S
66.	820815104066	Sangavi K
67.	820815104067	Sangeetha. M
68.	820815104068	Saravanan M
69.	820815104069	Sargunam T
70.	820815104070	Sattiya Lakshmi M
71.	820815104071	Siddhanathan R
72.	820815104072	Sindhuja.J
73.	820815104073	Siva T
74.	820815104074	Sivadharani.R
75.	820815104075	Sivathanusu P
76.	820815104076	Sobika R
77.	820815104077	Sriram.M
78.	820815104078	Subasri T
79.	820815104079	Suvithan.V
80.	820815104080	Swathi. P
81.	820815104081	Swathi. S
82.	820815104082	Thamizhselvi.T
83.	820815104083	Thavithu Raja J
84.	820815104084	Thendral B
85.	820815104085	Thiripurasundari M
86.	820815104086	Uma V
87.	820815104087	Viji R
88.	820815104088	Vinitha V

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89.	820815104089	Vinothini T
90.	820815104090	Yamuna.R
91.	820815104301	Kalaimozhi. S
92.	820815104302	Kathiravan P
93.	820815104303	Nirmanrajan T
94.	820815104304	Rathish R
95.	820815104305	Sandhiya.L
96.	820815104306	Sridevi. R
97.	820815104307	Surya. V
98.	820815104701	Abinaya.P
99.	820815104702	Kiruthika. B

Co-ordinators

HoD/CSE

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

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STUDENTS ATTENDANCE SHEET

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

DEPARTMENT OF CSE

VALUE ADDED COURSE ON "WEB DEVELOPMENT USING PHP & MYSQL"

ATTENDANCE SHEET

(2015 – 2019 Batch | III CSE)

| S.No	RegisterNumber	Name of Student
1.	820815104001	Abinaya K
2.	820815104002	Abinaya. R
3.	820815104003	Aishwarya S
4.	820815104004	Ajay R
5.	820815104005	Akalya S
6.	820815104006	Anbukani A
7.	820815104007	Aravinth.R
8.	820815104008	Arthi G
9.	820815104009	Arul Mary. A
10.	820815104010	Aruna Devi P
11.	820815104011	Arun Kumar. R
12.	820815104012	Bhuvaneshwari R
13.	820815104013	Deepika S
14.	820815104014	Desiga. K
15.	820815104015	Devi R
16.	820815104016	Dharmakaviraj B
17.	820815104017	Dhevasena. Rm
18.	820815104018	Dhivya M
19.	820815104019	Dhivyabarathi M
20.	820815104020	Divya M
21.	820815104021	Elakkia G
22.	820815104022	Geetha.R
23.	820815104023	Gowri C
24.	820815104024	Gunachitra G
25.	820815104025	Hadjinisa. M
26.	820815104026	Hameed SulthanMaricar M
27.	820815104027	Indira. N
28.	820815104028	Janarthanam V
29.	820815104029	Kalaimani K
30.	820815104030	Kalaiyarasi. K
31.	820815104031	Karthi. L
32.	820815104032	Karthika.M
33.	820815104033	Karthika S
34.	820815104034	Karthikayani S
35.	820815104035	Kavashkar. S
36.	820815104036	Kaviyazhagan G
37.	820815104037	Kowsalya S
38.	820815104038	Lavanya.M
39.	820815104039	Mahalakshmi R
40.	820815104040	Mahalakshmi.R
41.	820815104041	Maheswari.S
42.	820815104042	Mangaiyarkarasi .G
43.	820815104043	Manikandan. P
44.	820815104044	Mathan Narayanan Samy.P
45.	820815104045	Meena T
46.	820815104046	Mohamed Faisal R
47.	820815104047	Mohamed Farwesh.M
48.	820815104048	Natarajan. A
49.	820815104049	Nivedha. K
50.	820815104050	Nivetha N
51.	820815104051	Oviya. K
52.	820815104052	Pavithra. R
53.	820815104053	Preethi. B
54.	820815104054	Preethi S
55.	820815104055	Priadharshini. S

S.No	Register Number	Name of Student	27.11.17		28.11.17		29.11.17		30.11.17		1.12.17		2.12.17	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
56.	820815104056	Priyadharshini. P												
57.	820815104057	Priadharshini R												
58.	820815104058	Priyanga C												
59.	820815104059	Ragaranjani. R												
60.	820815104060	Rajalakshmi.G												
61.	820815104061	Ranjani S			AB	AB								
62.	820815104062	Sabitha.S												
63.	820815104063	Sajee.C												
64.	820815104064	Sakthivel C							AB	AB				
65.	820815104065	Sandhiya S												
66.	820815104066	Sangavi K												
67.	820815104067	Sangeetha. M												
68.	820815104068	Saravanan M												
69.	820815104069	Sargunam T												
70.	820815104070	Sattiya Lakshmi M												
71.	820815104071	Siddhanathan R					AB	AB						
72.	820815104072	Sindhuja.J												
73.	820815104073	Siva T					AB	AB						
74.	820815104074	Sivadharani.R												
75.	820815104075	Sivathanusu P	AB	AB										
76.	820815104076	Sobika R												
77.	820815104077	Sriram.M							AB		AB			
78.	820815104078	Subasri T					AB	AB						
79.	820815104079	Suvithan.V											AB	
80.	820815104080	Swathi. P												
81.	820815104081	Swathi. S					AB	AB						
82.	820815104082	Thamizhselvi.T							AB	AB				
83.	820815104083	Thavithu Raja J												
84.	820815104084	Thendral B			AB	AB								
85.	820815104085	Thiripurasundari M							AB	AB				
86.	820815104086	Uma V												
87.	820815104087	Viji R												

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			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
88.	820815104088	Vinitha V												
89.	820815104089	Vinothini T												
90.	820815104090	Yamuna.R			AB	AB					AB	AB		
91.	820815104301	Kalaimozhi. S												
92.	820815104302	Kathiravan P							AB	AB				
93.	820815104303	Nirmanrajan T												
94.	820815104304	Rathish R												
95.	820815104305	Sandhiya.L	AB	AB										
96.	820815104306	Sridevi. R									AB	AB		
97.	820815104307	Surya. V												
98.	820815104701	Abinaya.P					AB	AB						
99.	820815104702	Kiruthika. B												

Co-ordinators

HoD/CSE

<u>SUBJECT MATERIAL</u>

Module I – HTML & CSS

HTML INTRODUCTION

What is HTML?

- HTML stands for **H**yper **T**ext **M**arkup **L**anguage
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- A markup language is a set of **markup tags.**
- HTML uses **markup tags to describe web pages.**
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML is **not case sensitive language.**
- HTML documents **contain HTML tags and plain text.**
- HTML tags are keywords surrounded by angle brackets like <html>

HTML Parts

- An HTML document consists of 3 main parts
    - DOCTYPE declaration
    - <head> section
    - <body> section

A Simple HTML Document - Example

```
<!DOCTYPE html>
<html>
<head>
<title> Welcome to Web Technology </title>
</head>
<body>
<h1>Web Technology</h1>
<p>My first paragraph.</p>
</body>
</html>
```

Example Explained

- The **<!DOCTYPE html>** declaration defines that this document is an HTML5 document
- The **<html>** element is the root element of an HTML page
- The **<head>** element contains meta information about the HTML page
- The **<title>** element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)
- The **<body>** element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.

- The **<h1>** element defines a large heading
- The **<p>** element defines a paragraph

Start Tag / Opening Tag	Element Content	End Tag / Closing Tag
<h1>	My First Heading	</h1>
<p>	My first paragraph.	</p>
 	none	*none*

HTML syntax

1. The DOCTYPE
2. Elements
3. Attributes
4. Comments

DOCTYPE

< !DOCTYPE html>   - Required Header

Elements

<element> …………………………..... </element>

Start tag   Content   End tag

Attributes

<element attribute = "value">

Name   Value

- **<HTML> - Describe HTML web page that is** to be viewed by a web browser.
- **<HEAD> - This defines the header section** of the page.
- **<TITLE> - This shows a caption in the title** bar of the page.
- **<BODY> - This tag show contents of the** web page will be displayed.

Types of HTML Tags

There are two different types of tags:

- **Container Element**
  - Container Tags contains start tag & end tag   i.e. <HTML>... </HTML>
- **Empty Element**
  - Empty Tags contains start tag   i.e.
 - break

HTML Editors

- Learn HTML Using Notepad or any TextEditor(sublime texteditor)
- Web pages can be created and modified by using professional HTML editors.
- However, for learning HTML we recommend a simple text editor like Notepad (PC).

Follow the steps below to create your first web page with Notepad

Step 1: Open Notepad (PC)

Windows 8 or later:

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- Open the **Start Screen** (the window symbol at the bottom left on your screen).
  Type **Notepad**.

Windows 7 or earlier:
- Open **Start > Programs > Accessories > Notepad**

Step 2: Write Some HTML Code

```
Untitled - Notepad
File   Edit   Format   View   Help
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>
</html>
```

Step 3: Save the HTML Page
Save the file on your computer. Select **File > Save (or) press button ctrl+S**.
You can use either .htm or .html as file extension.

Step 4: View the HTML Page in Your Browser
Open the saved HTML file in your favorite browser (double click on the file, or right-click - and choose "Open with").

The result will look much like this:

```
index.htm
file:///C:/Users/myuser/Desktop/index.htm
```

My First Heading

My first paragraph.
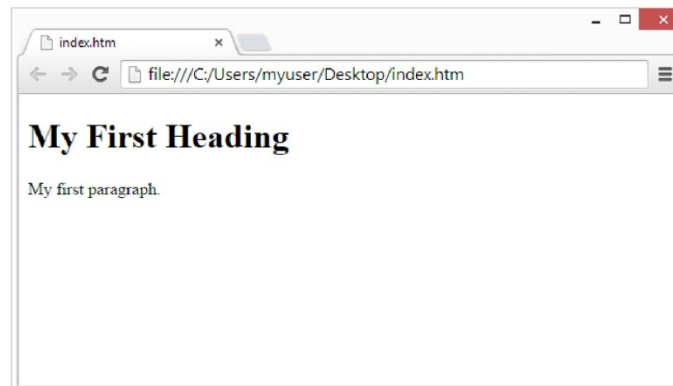
TEXT FORMATTING TAGS

Heading Tags
- There are **six** heading elements (**<h1>,<h2>,<h3>,<h4>, <h5>,<h6>**).
- All the six heading elements are **container tag** and requires a closing tag.
- **<h1>** will print the **largest heading**
- **<h6>** will print the **smallest heading**
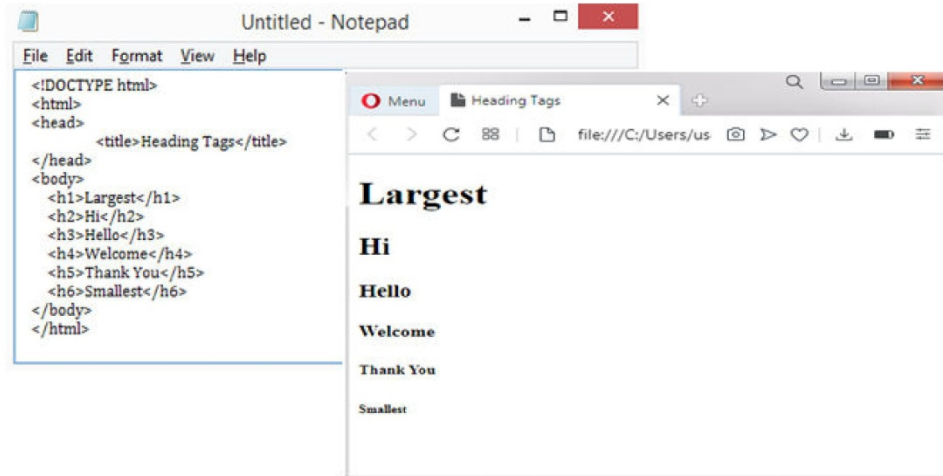
HTML Paragraph Tag

- A paragraph always starts on a new line, and is usually a block of text.
- The HTML **<p>** element defines a paragraph.
- A paragraph always starts on a new line, and browsers automatically add some white space (a margin) before and after a paragraph.
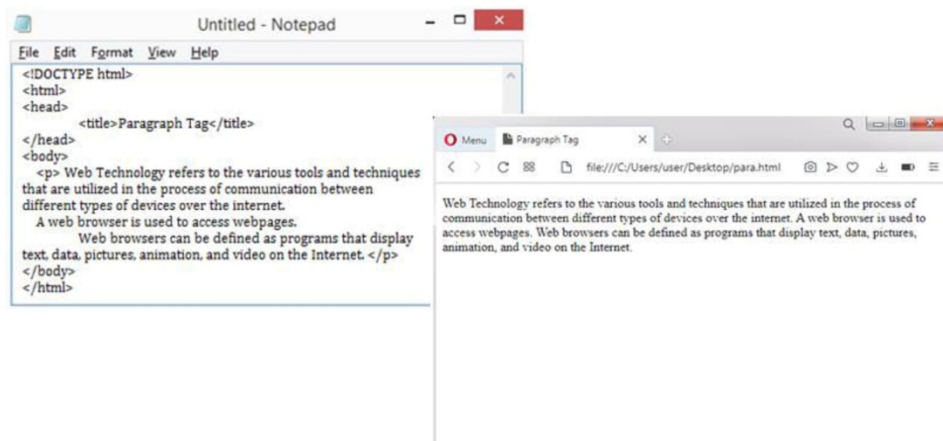
HTML Display

- You cannot be sure how HTML will be displayed.
- Large or small screens, and resized windows will create different results.
- With HTML, you cannot change the display by adding extra spaces or extra lines in your HTML code.
- The browser will automatically remove any extra spaces and lines when the page is displayed.

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HTML Horizontal Rules

- The **\<hr>** tag defines a thematic break in an HTML page, and is most often displayed as a horizontal rule.
- The \<hr> element is used to separate content (or define a change) in an HTML page.
- The \<hr> tag is an empty tag, which means that it has no end tag.

HTML Line Breaks

- The HTML **\
** element defines a line break.
- Use \
 if you want a line break (a new line) without starting a new paragraph:
- The \
 tag is an empty tag, which means that it has no end tag.
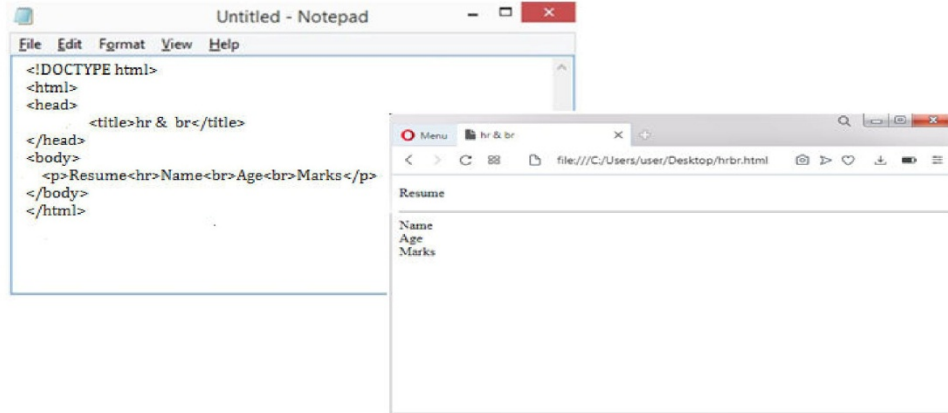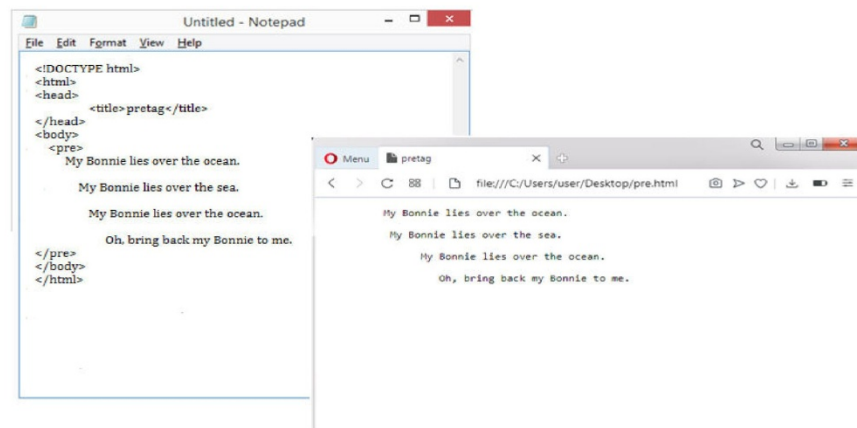
The HTML \<pre> Element

- The HTML **\<pre>** element defines preformatted text.
- The text inside a \<pre> element is displayed in a fixed-width font (usually Courier), and it preserves both spaces and line breaks:

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SAMPLE FEEDBACK

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FEEDBACK FORM

VALUE ADDED COURSE ON "WEB DEVELOPMENT USING PHP & MYSQL"

ACADEMIC YEAR – 2017_2018

DEPARTMENT : CSE   BATCH: 2015-19

S.NO	PARAMETER	RATINGS				
	COURSE	Excellent	Very Good	Good	Satisfactory	Poor
1	Relevance of course to the programme	✓				
2	The appropriation of the content to the Bloom's level of course outcomes		✓			
3	The appropriation of the content delivery methodologies adopted	✓				
4	The appropriation of the assessment methodologies used for assessment of course outcomes		✓			
	COURSE Faculty	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
5	Motivated my interest in the course by giving practical examples and well organized presentations	✓				
6	Taught innovatively and used education media well		✓			
7	Provided counseling and was available outside the class	✓				
	GENERAL	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
8	I understand the basic concepts of the course	✓				
9	Preparation for assessment test contributed to my learning	✓				
10	I can apply the concepts of this course in future	✓				
	Course Outcomes Attainment	Excellent	Good	Satisfactory		Poor
11	CO1: Develop web pages using basic HTML	✓				
12	CO2: Apply XML techniques in web design	✓				
13	CO3: Implement PHP Programs	✓				
14	CO4: Develop MySQL database connectivity for real world applications	✓				

Signature of the student

FEEDBACK ANALYSIS

VALUE ADDED COURSE ON WEB DEVELOPMENT USING PHP & MYSQL

DEPARTMENT   : CSE   Batch:2015-2019

S.NO	PARAMETER	RATINGS				
	COURSE	**Excellent**	**Very Good**	**Good**	**Satisfactory**	**Poor**
1	Relevance of course to the programme	76%	24%	-	-	-
2	The appropriation of the content to the Bloom's level of course outcomes	64%	28%	8%	-	-
3	The appropriation of the content delivery methodologies adopted	73%	27%	-	-	-
4	The appropriation of the assessment methodologies used for assessment of course outcomes	70%	26%	9%	-	-
	COURSE Faculty	**Strongly Agree**	**Agree**	**Neutral**	**Disagree**	**Strongly Disagree**
5	Motivated my interest in the course by giving practical examples and well organized presentations	62%	29%	9%	-	-
6	Taught innovatively and used education media well	75%	25%	-	-	-
7	Provided counseling and was available outside the class	67%	29%	4%	-	-
	GENERAL	**Strongly Agree**	**Agree**	**Neutral**	**Disagree**	**Strongly Disagree**
8	I understand the basic concepts of the course	75%	20%	5%	-	-
9	Assignments preparation contributed to my learning	81%	16%	5%	-	-
10	I can apply the concepts of this course in future	61%	28%	11%	-	-
	Course Outcomes Attainment	**Excellent**	**Good**	**Satisfactory**	**Poor**	
11	CO1: Develop web pages using basic HTML	88%	12%	-	-	
12	CO2: Apply XML techniques in web design	92%	8%	-	-	
13	CO3: Implement PHP Programs	91%	9%	-	-	
14	CO4: Develop MySQL database connectivity for real world applications	94%	6%	-	-	

S. Aravindar

Co-ordinators

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DEPARTMENT OF CSE

VALUE ADDED COURSE ON "WEB DEVELOPMENT USING PHP & MYSQL"

FROM 27/11/2017 TO 02/12/2017

Assessment Questions

Date : 02.12.2017   Batch: 2015-2019

Time: 03:30 PM to 04:30 PM   Maximum Marks: 100 Marks

Multiple Choice Questions (20*5 = 100)

1. Which element is used for or styling HTML5 layout?
a) CSS
b) jQuery
c) JavaScript
d) PHP

2. What is the correct syntax of web address?
a) port://domain.filenmae:path/scheme/prefix
b) prefix://scheme.port:domain/filename/path
c) path://prefix.port:domain/filename/scheme
d) scheme://prefix.domain:port/path/filename

3. How to insert Hyperlink in HTML Page?
a)
b) HTML MCQ
c) HTML Test
d) <a>https://www.sanfoundry.com/1000-html-questions-answers/

4. Point out the correct statement.
   Which of the following extension is used to save an HTML file?
a) .hl
b) .h
c) .htl
d) .html

5. Which of the following is an HTML specification used to add more information to HTML tags?
a) Modifydata
b) Minidata
c) Macrodata
d) Microdata

6. XML stands for ____.
a) eXtensible Margin Language
b) Xtensible Markup Language
c) eXtensible Markup Language

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d) Xtensible Margin Language

7. In XML, DTD stands for ____.
a) Document Type Declaration
b) Data Type Definition
c) Document Type Definition
d) Document To Declaration

8. Which is the correct XML declaration?
a) <xml version="1.0" encoding="UTF-8"/>
b) <xml version="1.0" encoding="UTF-8"></xml>
c) <?xml version="1.0" encoding="UTF-8"?>
d) <?xml type="document" version="1.0" encoding="UTF-8"?>

9. In XML DOM, what does DOM stand for ____.
a) Document Object Model
b) Date Object Model
c) Document Oriented Model
d) Document Open Model

10. What does SAX stand for ____.
a) Simple Application for XML
b) Safe API for XML
c) Super Application for XML
d) Simple API for XML

11) PHP stands for -
a) Hypertext Preprocessor
b) Pretext Hypertext Preprocessor
c) Personal Home Processor
d) None of the above

12. Variable name in PHP starts with -
a) ! (Exclamation)
b) $ (Dollar)
c) & (Ampersand)
d) # (Hash)

13. Which of the following is the correct way of defining a variable in PHP?
a) $variable name = value;
b) $variable_name = value;
c) $variable_name = value
d) $variable name as value;

14. Which of the following is the correct way to print "Hello World" in PHP?
a) "Hello World";
b) write("Hello World");
c) echo "Hello World";
d) None of the above

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15. Which of the following is the correct way to create an array in PHP?
a) $season = array["summer" , "winter" , "spring" , "autumn"];
b) $season = array("summer" , "winter" , "spring" , "autumn");
c) $season = "summer" , "winter" , "spring" , "autumn";
d) All of the above

16. In which language MYSQL is written?
a) PYTHON
b) C/C+
c) JAVA
d) COBOL

17. To see the list of options provided by MYSQL which of the following command is used?
a) HELP
b) –HELP
c) -- HELP
d) ELP-

18. What do you mean by HOST in MYSQL?
a) HOST is the user name.
b) HOST is the representation of where the MYSQL server is running.
c) HOST is the administration's machine name.
d) None

19. Is a semicolon necessary after every query?
a) TRUE
b) FALSE

20. To know your MYSQL version and current date which of the following command you should use?
a) VERSION, CURRENT_DATE();
b) SELECT VERSION, CURRENTDATE();
c) SELECT VERSION(), CURRENT_DATE;
d) SELECT VERSON(),CURRENT_DATE();

SAMPLE ASSESSMENT ANSWER SHEET

(M FOR

Register Number: 820815104038

**E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF CSE**

VALUE ADDED COURSE ON "WEB DEVELOPMENT USING PHP & MYSQL"

FROM 27/11/2017 TO 02/12/2017

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c) path://prefix.port:domain/filename/scheme ✓
d) scheme://prefix.domain:port/path/filename

3. How to insert Hyperlink in HTML Page?
a) **
b) *HTML MCQ* ✓
c) *HTML Test*
d) *<a>https://www.sanfoundry.com/1000-html-questions-answers/*

4. Point out the correct statement.
a) Which of the following extension is used to save an HTML file?
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c) .htl
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b) Xtensible Markup Language
c) eXtensible Markup Language ✓
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b) <xml version="1.0" encoding="UTF-8"></xml>
c) <?xml version="1.0" encoding="UTF-8"?> ✓
d) <?xml type="document" version="1.0" encoding="UTF-8"?>

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b) Date Object Model
c) Document Oriented Model
d) Document Open Model

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a) Simple Application for XML
b) Safe API for XML
c) Super Application for XML
d) Simple API for XML ✓

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b) Pretext Hypertext Preprocessor ✓
c) Personal Home Processor
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c) $variable_name = value
d) $variable name as value;

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b) write("Hello World");
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c) - HELP
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b) FALSE

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c) SELECT VERSION(), CURRENT_DATE;
d) SELECT VERSON(),CURRENT_DATE();

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EGS Pillay Engineering College, Nagapattinam			
Department of CSE			
Academic Year : 2017-2018			
Value added course on Web Development using PHP & MySQL			
Batch: 2015-2019			
Mark Sheet			
S. No	Register Number	Name	Marks
1.	820815104001	Abinaya K	85
2.	820815104002	Abinaya. R	80
3.	820815104003	Aishwarya S	80
4.	820815104004	Ajay R	85
5.	820815104005	Akalya S	85
6.	820815104006	Anbukani A	80
7.	820815104007	Aravinth.R	90
8.	820815104008	Arthi G	75
9.	820815104009	Arul Mary. A	70
10.	820815104010	Aruna Devi P	75
11.	820815104011	Arun Kumar. R	80
12.	820815104012	Bhuvaneshwari R	80
13.	820815104013	Deepika S	80
14.	820815104014	Desiga. K	70
15.	820815104015	Devi R	75
16.	820815104016	Dharmakaviraj B	75
17.	820815104017	Dhevasena. Rm	80
18.	820815104018	Dhivya M	80
19.	820815104019	Dhivyabarathi M	90
20.	820815104020	Divya M	75
21.	820815104021	Elakkia G	90
22.	820815104022	Geetha.R	75
23.	820815104023	Gowri C	80
24.	820815104024	Gunachitra G	85
25.	820815104025	Hadjinisa. M	85
26.	820815104026	Hameed Sulthan Maricar M	85
27.	820815104027	Indira. N	85
28.	820815104028	Janarthanam V	80
29.	820815104029	Kalaimani K	85
30.	820815104030	Kalaiyarasi. K	85
31.	820815104031	Karthi. L	70
32.	820815104032	Karthika.M	85
33.	820815104033	Karthika S	85
34.	820815104034	Karthikayani S	85
35.	820815104035	Kavashkar. S	75
36.	820815104036	Kaviyazhagan G	80
37.	820815104037	Kowsalya S	85

38.	820815104038	Lavanya.M	85
39.	820815104039	Mahalakshmi R	85
40.	820815104040	Mahalakshmi.R	85
41.	820815104041	Maheswari.S	75
42.	820815104042	Mangaiyarkarasi .G	90
43.	820815104043	Manikandan. P	75
44.	820815104044	Mathan Narayanan Samy.P	85
45.	820815104045	Meena T	85
46.	820815104046	Mohamed Faisal R	90
47.	820815104047	Mohamed Farwesh.M	85
48.	820815104048	Natarajan. A	80
49.	820815104049	Nivedha. K	80
50.	820815104050	Nivetha N	75
51.	820815104051	Oviya. K	75
52.	820815104052	Pavithra. R	85
53.	820815104053	Preethi. B	75
54.	820815104054	Preethi S	85
55.	820815104055	Priadharshini. S	90
56.	820815104056	Priyadharshini. P	75
57.	820815104057	Priadharshini R	85
58.	820815104058	Priyanga C	85
59.	820815104059	Ragaranjani. R	75
60.	820815104060	Rajalakshmi.G	85
61.	820815104061	Ranjani S	80
62.	820815104062	Sabitha.S	90
63.	820815104063	Sajee.C	80
64.	820815104064	Sakthivel C	75
65.	820815104065	Sandhiya S	85
66.	820815104066	Sangavi K	85
67.	820815104067	Sangeetha. M	75
68.	820815104068	Saravanan M	75
69.	820815104069	Sargunam T	85
70.	820815104070	Sattiya Lakshmi M	85
71.	820815104071	Siddhanathan R	80
72.	820815104072	Sindhuja.J	85
73.	820815104073	Siva T	80
74.	820815104074	Sivadharani.R	90
75.	820815104075	Sivathanusu P	75
76.	820815104076	Sobika R	75
77.	820815104077	Sriram.M	80
78.	820815104078	Subasri T	70
79.	820815104079	Suvithan.V	75
80.	820815104080	Swathi. P	85
81.	820815104081	Swathi. S	80

82.	820815104082	Thamizhselvi.T	80
83.	820815104083	Thavithu Raja J	75
84.	820815104084	Thendral B	75
85.	820815104085	Thiripurasundari M	80
86.	820815104086	Uma V	70
87.	820815104087	Viji R	75
88.	820815104088	Vinitha V	85
89.	820815104089	Vinothini T	90
90.	820815104090	Yamuna.R	85
91.	820815104301	Kalaimozhi. S	85
92.	820815104302s	Kathiravan P	85
93.	820815104303	Nirmanrajan T	95
94.	820815104304	Rathish R	85
95.	820815104305	Sandhiya.L	85
96.	820815104306	Sridevi. R	85
97.	820815104307	Surya. V	85
98.	820815104701	Abinaya.P	85
99.	820815104702	Kiruthika. B	90

HoD/CSE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Value Added Course on "Web Development using PHP & MySQL"
Impact analysis report
Batch: 2015-2019

S.NO	REGISTER No	STUDENT NAME	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
1.	820815104001	Abinaya K	0	5	5	5	5	5	5	5	5	0	5	5	5	5	0	5	5	5	5	5
2.	820815104002	Abinaya. R	5	0	5	5	5	5	5	5	5	0	5	5	5	5	0	5	5	5	0	5
3.	820815104003	Aishwarya S	5	5	5	0	5	5	5	5	5	5	0	5	0	0	5	5	5	5	5	5
4.	820815104004	Ajay R	5	5	5	5	5	5	5	5	5	0	0	5	5	5	5	5	5	5	5	0
5.	820815104005	Akalya S	5	5	5	5	5	5	5	5	5	0	0	5	5	5	5	5	5	5	0	5
6.	820815104006	Anbukani A	5	5	5	0	5	5	5	5	5	0	5	5	5	5	0	5	5	5	5	0
7.	820815104007	Aravinth.R	5	5	5	5	5	5	5	5	5	5	0	5	5	5	0	5	5	5	5	5
8.	820815104008	Arthi G	5	5	0	5	5	5	5	0	5	5	5	5	0	5	5	5	0	5	0	5
9.	820815104009	Arul Mary. A	5	0	0	5	5	5	5	5	5	5	5	5	0	5	0	5	0	5	0	5
10.	820815104010	Aruna Devi P	5	5	5	0	5	5	5	0	5	5	5	5	5	5	0	5	0	5	5	0
11.	820815104011	Arun Kumar. R	5	5	5	5	0	5	5	0	5	5	5	5	5	0	5	5	0	5	5	5
12.	820815104012	Bhuvaneshwari R	5	5	5	0	0	5	5	5	0	5	5	5	5	5	0	5	5	5	5	5
13.	820815104013	Deepika S	5	5	5	5	0	5	5	5	0	5	5	5	5	5	5	5	5	0	5	0
14.	820815104014	Desiga. K	5	5	5	0	0	5	5	0	5	0	5	5	5	5	0	5	5	5	5	0
15.	820815104015	Devi R	5	5	5	0	0	5	5	5	5	0	5	5	5	5	0	5	5	5	5	0
16.	820815104016	Dharmakaviraj B	5	5	5	0	5	5	5	0	5	5	0	5	0	0	5	5	5	5	5	5
17.	820815104017	Dhevasena. Rm	5	5	5	5	5	5	5	0	5	0	0	5	5	5	5	0	5	5	5	5
18.	820815104018	Dhivya M	5	5	5	5	0	5	5	5	5	0	0	5	5	5	5	5	5	5	5	0
19.	820815104019	Dhivyabarathi M	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5	0	5	5
20.	820815104020	Divya M	5	5	5	5	0	5	0	5	0	5	0	5	5	5	5	5	5	0	5	5
21.	820815104021	Elakkia G	5	5	5	5	5	5	5	5	5	5	5	5	0	5	5	5	0	5	5	5
22.	820815104022	Geetha.R	5	5	5	0	0	5	5	5	5	5	5	5	0	5	0	5	0	5	5	5
23.	820815104023	Gowri C	5	5	5	0	5	5	5	5	5	5	5	5	5	5	0	0	0	5	5	5
24.	820815104024	Gunachitra G	5	5	5	5	0	5	5	5	5	5	5	5	5	0	5	5	0	5	5	5
25.	820815104025	Hadjinisa. M	5	5	5	0	5	5	5	5	0	5	5	5	5	5	0	5	5	5	5	5
26.	820815104026	Hameed Sulthan Maricar M	5	5	5	5	5	5	5	5	0	5	5	5	5	5	0	5	5	5	0	5

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S.No	Reg No	Name																				
27.	820815104027	Indira. N	5	5	5	5	5	5	5	5	5	0	0	5	5	5	5	5	5	5	0	5
28.	820815104028	Janarthanam V	5	5	5	0	5	5	5	5	5	0	5	5	5	5	0	5	5	5	0	5
29.	820815104029	Kalaimani K	5	5	5	5	5	5	5	5	5	0	0	5	5	5	0	5	5	5	5	5
30.	820815104030	Kalaiyarasi. K	5	5	5	5	5	5	5	0	5	5	5	5	5	5	5	5	5	5	0	5
31.	820815104031	Karthi. L	5	5	5	0	0	5	5	5	5	5	5	5	0	5	5	5	0	0	0	5
32.	820815104032	Karthika.M	5	5	5	0	5	5	5	5	5	5	5	5	5	5	0	5	5	5	0	5
33.	820815104033	Karthika S	5	5	5	5	5	5	5	0	5	5	5	5	5	0	5	5	0	5	5	5
34.	820815104034	Karthikayani S	5	5	5	0	5	5	5	5	0	5	5	5	5	5	0	5	5	5	5	5
35.	820815104035	Kavashkar. S	5	5	5	5	0	5	0	5	0	5	5	5	5	5	0	5	5	5	0	5
36.	820815104036	Kaviyazhagan G	5	5	5	5	5	5	0	5	5	0	0	5	5	5	5	5	5	5	0	5
37.	820815104037	Kowsalya S	5	5	5	5	5	5	5	5	5	0	5	5	5	5	0	5	5	5	0	5
38.	820815104038	Lavanya.M	5	0	5	5	0	5	5	5	5	5	0	5	5	5	5	5	5	5	5	5
39.	820815104039	Mahalakshmi R	5	5	5	5	5	5	5	0	5	5	5	5	5	5	5	5	0	5	0	5
40.	820815104040	Mahalakshmi.R	5	5	5	5	5	5	5	5	5	5	5	5	0	5	0	5	5	5	0	5
41.	820815104041	Maheswari.S	5	5	5	0	5	5	5	0	5	5	5	5	5	5	0	5	0	5	0	5
42.	820815104042	Mangaiyarkarasi .G	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5	5	0	5	5	5
43.	820815104043	Manikandan. P	5	0	5	5	0	5	5	5	0	5	5	5	5	5	0	0	5	5	5	5
44.	820815104044	Mathan Narayanan Samy.P	5	5	5	5	0	5	5	5	0	5	5	5	5	5	5	5	5	5	0	5
45.	820815104045	Meena T	5	5	5	5	5	5	5	5	5	0	0	5	5	5	5	5	5	5	0	5
46.	820815104046	Mohamed Faisal R	5	5	5	5	5	5	5	5	5	0	5	5	5	5	5	5	5	5	0	5
47.	820815104047	Mohamed Farwesh.M	5	0	5	5	5	0	5	5	5	5	0	5	5	5	5	5	5	5	5	5
48.	820815104048	Natarajan. A	5	5	5	5	5	5	5	0	5	5	5	5	0	5	5	5	0	5	0	5
49.	820815104049	Nivedha. K	5	0	5	5	5	5	5	5	5	5	5	5	0	5	5	5	0	5	0	5
50.	820815104050	Nivetha N	5	0	5	0	5	5	5	0	5	5	5	5	5	5	5	5	0	5	0	5
51.	820815104051	Oviya. K	5	5	5	5	5	0	0	0	5	5	5	5	0	5	0	5	5	5	5	5
52.	820815104052	Pavithra. R	5	5	5	5	0	5	5	5	0	5	5	0	5	5	5	5	5	5	5	5
53.	820815104053	Preethi. B	5	5	5	5	0	5	5	0	0	5	5	5	5	5	0	5	5	5	0	5
54.	820815104054	Preethi S	5	5	5	5	5	5	5	5	5	0	0	5	5	5	5	5	5	5	0	5
55.	820815104055	Priadharshini. S	5	5	5	5	5	5	5	5	5	0	5	5	5	5	5	5	5	5	5	0
56.	820815104056	Priyadharshini. P	5	0	5	5	0	0	5	5	5	5	0	0	5	5	5	5	5	5	5	5
57.	820815104057	Priadharshini R	5	5	5	5	0	5	5	5	5	5	5	5	0	5	5	5	5	5	0	5
58.	820815104058	Priyanga C	5	5	5	5	5	5	5	5	5	5	5	5	0	5	5	5	0	5	0	5

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No.	Reg. No.	Name																				
59.	820815104059	Ragaranjani. R	5	5	5	0	5	5	5	0	5	5	5	5	5	5	0	5	0	5	0	5
60.	820815104060	Rajalakshmi.G	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5	0	0	5	5	5
61.	820815104061	Ranjani S	5	5	5	0	5	5	5	5	0	5	5	5	5	5	0	0	5	5	5	5
62.	820815104062	Sabitha.S	5	5	5	5	0	5	5	5	5	5	5	5	5	5	5	0	5	5	5	5
63.	820815104063	Sajee.C	5	5	5	5	0	5	5	5	5	0	0	5	5	5	5	0	5	5	5	5
64.	820815104064	Sakthivel C	5	5	5	0	5	5	0	5	5	0	5	0	5	5	5	5	5	5	0	5
65.	820815104065	Sandhiya S	5	5	5	5	5	5	0	5	5	5	0	0	5	5	5	5	5	5	5	5
66.	820815104066	Sangavi K	5	5	5	5	0	5	5	5	5	5	5	5	0	5	5	0	5	5	5	5
67.	820815104067	Sangeetha. M	5	5	5	0	0	5	5	5	5	5	5	5	0	5	5	5	5	0	5	0
68.	820815104068	Saravanan M	5	5	5	0	5	5	5	0	5	5	5	5	5	5	5	0	0	0	5	5
69.	820815104069	Sargunam T	5	5	5	5	0	5	5	0	5	5	5	5	5	0	5	5	5	5	5	5
70.	820815104070	Sattiya Lakshmi M	5	5	5	0	0	5	5	5	5	5	5	5	5	5	0	5	5	5	5	5
71.	820815104071	Siddhanathan R	5	5	0	5	5	5	5	5	0	5	5	5	5	5	0	5	5	5	5	0
72.	820815104072	Sindhuja.J	5	5	5	5	5	5	5	5	5	0	0	5	5	5	5	0	5	5	5	5
73.	820815104073	Siva T	0	5	5	5	5	0	5	5	5	0	5	5	5	5	5	5	5	5	5	0
74.	820815104074	Sivadharani.R	5	5	5	5	5	0	5	5	5	5	0	5	5	5	5	5	5	5	5	5
75.	820815104075	Sivathanusu P	5	5	0	5	5	5	5	0	5	5	5	5	0	5	5	0	5	5	5	0
76.	820815104076	Sobika R	0	5	5	5	5	5	5	5	5	5	5	0	0	5	5	5	0	5	5	0
77.	820815104077	Sriram.M	5	5	5	5	5	5	5	0	5	5	5	5	0	5	5	5	0	5	5	0
78.	820815104078	Subasri T	5	5	0	5	0	0	5	0	5	5	5	5	5	0	5	5	0	5	5	5
79.	820815104079	Suvithan.V	5	5	0	0	5	5	5	5	0	5	5	5	5	5	5	5	0	0	5	5
80.	820815104080	Swathi. P	5	5	5	5	0	5	5	5	0	5	5	5	5	5	5	5	5	5	0	5
81.	820815104081	Swathi. S	5	5	5	5	0	5	5	5	5	0	5	5	0	5	5	5	0	5	5	5
82.	820815104082	Thamizhselvi.T	0	0	5	5	5	5	5	5	5	0	5	5	5	5	5	0	5	5	5	5
83.	820815104083	Thavithu Raja J	5	5	5	0	5	5	5	5	5	5	0	0	5	5	5	5	5	0	5	0
84.	820815104084	Thendral B	5	5	0	5	5	5	5	0	5	5	5	5	0	5	5	5	0	5	5	0
85.	820815104085	Thiripurasundari M	0	5	0	5	5	5	5	5	5	5	5	5	0	5	5	5	5	5	5	0
86.	820815104086	Uma V	5	5	5	0	5	5	5	0	5	5	5	0	5	5	5	0	0	5	5	0
87.	820815104087	Viji R	5	5	5	5	0	5	5	0	5	5	5	5	0	0	5	5	0	5	5	5
88.	820815104088	Vinitha V	5	5	0	0	5	5	5	5	5	5	5	5	5	0	5	5	5	5	5	5
89.	820815104089	Vinothini T	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	5	5	5	5
90.	820815104090	Yamuna.R	5	5	5	5	5	5	5	5	5	0	0	5	5	5	5	0	5	5	5	5

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91.	820815104301	Kalaimozhi. S	0	5	5	5	5	5	5	5	5	5	5	5	0	5	5	0	5	5	5	5
92.	820815104302	Kathiravan P	5	5	5	5	5	0	5	5	5	5	0	0	5	5	5	5	5	5	5	5
93.	820815104303	Nirmanrajan T	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5	5	5
94.	820815104304	Rathish R	5	5	5	0	5	5	5	5	5	5	5	0	5	5	5	5	5	5	5	0
95.	820815104305	Sandhiya.L	5	5	5	0	5	5	5	0	5	5	5	5	5	5	0	5	5	5	5	5
96.	820815104306	Sridevi. R	5	5	0	5	5	5	5	0	5	5	5	5	5	0	5	5	5	5	5	5
97.	820815104307	Surya. V	5	5	0	0	5	5	5	5	0	5	5	5	5	5	5	5	5	5	5	5
98.	820815104701	Abinaya.P	0	5	0	5	5	5	5	5	0	5	5	5	5	5	5	5	5	5	5	5
99.	820815104702	Kiruthika. B	0	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5	5	5	5	5
		TOTAL	455	450	435	350	355	460	465	370	410	370	380	440	390	430	345	415	350	450	350	400
		ATTAINMENT	91.9	90.9	87.9	70.7	71.7	92.93	93.9	74.7	83	75	76.8	89	78.8	87	70	84	71	91	70.7	81
		LEVEL OF ATTAINMENT	3 (S)	3 (S)	2 (M)	1 (L)	1 (L)	3 (S)	3 (S)	1 (L)	2 (M)	1 (L)	1 (L)	2 (M)	1 (L)	2 (M)	1 (L)	2 (M)	1 (L)	3 (S)	1 (L)	2 (M)

Attainment level calculation	
>=70%-79%	1 (L)
>=80%-89%	2 (M)
>=90%	3 (S)

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COURSE SUMMARY

1. Name of Speaker: **Mr.S.Aravindhan**
2. Speaker Details: **Assistant Professor, CSE Department, EGSPEC.**
3. Date of speaker's presentation: **27.11.2017 – 02.12.2017**
4. Beneficiary Details: **UG III YEAR CSE Students**
5. Coordinator: **Dr.T.Ganesan(Prof., CSE., EGSSPEC)**
   Mr. S.Aravindhan (Asst. Prof., CSE,EGSPEC)

Mapping of Course Outcomes Vs Program Outcomes

CO Number	Competency	Cognitive level
CO1	Develop web pages using basic HTML	Understand
CO2	Apply XML techniques in web design	Apply
CO3	Implement PHP Programs	Understand
CO4	Develop MySQL database connectivity for real world applications	Apply

CO to PO Mapping

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	-	2	2	-	2	-	-	3	3	3
CO2	2	-	-	-	1	-	-	-	-	2	1	-
CO3	3	3	-	2	2	-	3	-	-	3	3	3
CO4	2	-	-	2	2	-	-	-	-	2	3	3

CO to PSO Mapping

Course Outcome	PSO1	PSO2
CO1	2	3
CO2	-	-
CO3	2	3
CO4	1	2

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Sample Photo

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has successfully completed the value added course on "Web Development using PHP & MYSQL" conducted by Department of Computer Science and Engineering, E.G.S. Pillay Engineering College, Nagapattinam from 27/11/2017 to 02/12/2017.

Coordinators   HoD/CSE   Principal

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

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

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Old Nagore Road, Thethi, Nagapattinam - 611002, Tamil Nadu, India

Department of Computer Science and Engineering

CERTIFICATE
OF COMPLETION

THIS IS TO CERTIFY THAT

MR./MRS. HAMEED SULTHAN MARICAR M

has successfully completed the value added course on "Web Development using PHP & MYSQL" conducted by Department of Computer Science and Engineering, E.G.S. Pillay Engineering College, Nagapattinam from 27/11/2017 to 02/12/2017.

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MR./MRS. INDIRA N

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MR./MRS. JANARTHANAM V

has successfully completed the value added course on "Web Development using PHP & MYSQL" conducted by Department of Computer Science and Engineering, E.G.S. Pillay Engineering College, Nagapattinam from 27/11/2017 to 02/12/2017.

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MR./MRS. KALAIMANI K

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using PHP & MYSQL" conducted by Department of Computer Science and
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MR./MRS. KALATYARASI K

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MR./MRS. MAHALAKSHMI R

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MR./MRS. MAHESWARI S

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MR./MRS. MANGAIYARKARASI G

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MR./MRS. MATHAN NARAYANAN SAMY P

has successfully completed the value added course on "Web Development using PHP & MYSQL" conducted by Department of Computer Science and Engineering, E.G.S. Pillay Engineering College, Nagapattinam from 27/11/2017 to 02/12/2017.

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MR./MRS. MOHAMED FAISAL R

has successfully completed the value added course on "Web Development
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Department of Computer Science and Engineering

CERTIFICATE
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THIS IS TO CERTIFY THAT

MR./MRS. PAVITHRA R

has successfully completed the value added course on "Web Development
using PHP & MYSQL" conducted by Department of Computer Science and
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Coordinators   **HoD/CSE**   **Principal**

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MR./MRS. RAJALAKSHMI G

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MR./MRS. THAMIZHSELVI T

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MR./MRS. THENDRAL B

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MR./MRS. THIRIPURASUNDARI M

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MR./MRS. YAMUNA R

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APPROVED BY AICTE, NEW DELHI
ACCREDITED BY NAAC WITH GRADE 'A'

DEPARTMENT OF MANAGEMENT STUDIES

VALUE ADDED COURSE REPORT ON "R PROGRAMMING"

Organized by Department of Management Studies

06-11-2017 to 10-11-2017

S. No	Description
1	Course Objectives & Outcomes
2	Participants' Name List
3	Participants' Attendance
4	Resource Person Details
5	Course Content
6	Feedback
7	Sample Screenshots
8	Sample Photos
9	Sample Certificates
10	Attainment Analysis

Course Objectives:

R programming has become an essential tool for MBA students in data analysis, statistics, and decision making. Here are some of the key objectives of R programming for MBA students:

1. Data manipulation: R programming offers a range of functions to manipulate data, including merging, sorting, filtering, and transforming data. This makes it easier to prepare data for statistical analysis.
2. Descriptive statistics: R programming provides tools for computing and summarizing descriptive statistics, such as mean, median, mode, standard deviation, and correlation coefficients.
3. Inferential statistics: R programming supports a wide range of statistical tests, including t-tests, ANOVA, regression analysis, and chi-square tests. These tests are used to analyze data and draw conclusions about populations based on sample data.
4. Time-series analysis: R programming has specialized packages for time-series analysis, including forecasting models, spectral analysis, and state-space models. These packages are useful for analyzing data that varies over time, such as financial data or weather data.
5. Multivariate analysis: R programming has packages for conducting multivariate analysis, such as factor analysis, cluster analysis, and principal component analysis. These techniques are used to identify patterns and relationships among multiple variables in a dataset.
6. Business forecasting: R programming helps MBA students to forecast future business trends and make informed decisions based on those forecasts. R provides a range of time-series forecasting models that students can use to predict sales, demand, and other business metrics.
7. Data visualization: R programming provides tools for creating meaningful visualizations of data, which can help MBA students to communicate their findings effectively to others. R offers a wide range of visualization packages and tools that can be customized to suit specific business needs.

Course Outcomes:

Students will be able to

1. Use R Programming for their statistical needs.
2. Apply data analysis and statistical modeling.
3. Utilize the concepts of R Programming in future.

Participants Details:

S.NO	REG.NO	STUDENT NAME
1.	E17BAR001	ABILA B
2.	E17BAR002	ABINAYA A
3.	E17BAR003	ANUPRIYA R
4.	E17BAR006	AZHARUDEEN K
5.	E17BAR007	BAKKIYAVATHI S
6.	E17BAR008	BOOPATHI RAJAN T
7.	E17BAR009	BUCHIYA A
8.	E17BAR010	DEVAHI S
9.	E17BAR012	EZHILARASI S
10.	E17BAR016	JANANI S
11.	E17BAR018	KANNAYIRAMOORTHI.R
12.	E17BAR019	KASTHURI R
13.	E17BAR020	KAVIYA R
14.	E17BAR022	KAYALVIZHI R
15.	E17BAR023	KEERTHANA A
16.	E17BAR025	KOKILA K
17.	E17BAR028	MADHUMATHY B
18.	E17BAR029	MADHUMITHA K
19.	E17BAR030	MAGESHWARI K
20.	E17BAR032	MANIBALA A
21.	E17BAR034	MANIMOZHI B
22.	E17BAR035	MANIVANNAN N
23.	E17BAR044	NAVAJAYA VIGNESH R
24.	E17BAR045	NIRMALA K
25.	E17BAR046	NIVETHA J
26.	E17BAR048	NIVETHA V

27.	E17BAR049	PAVITHRA P
28.	E17BAR050	PAVITHRA.M
29.	E17BAR051	PONNARASU S
30.	E17BAR052	POONGUZHALI K R
31.	E17BAR054	PRAMILA.J
32.	E17BAR055	PRASANTHI R
33.	E17BAR059	PREETHI J
34.	E17BAR060	PRITHIVI S
35.	E17BAR064	RAJALAKSHMI S
36.	E17BAR067	REETHA M
37.	E17BAR068	ROOBHIYA M
38.	E17BAR069	SABIYA D
39.	E17BAR070	SANGAVI C
40.	E17BAR073	SANTHIYA P
41.	E17BAR074	SARANYA S(27.5.1997)
42.	E17BAR076	SARAVANAN P G
43.	E17BAR077	SARULATHA S
44.	E17BAR078	SARUMATHY G
45.	E17BAR079	SATHISH KUMAR S
46.	E17BAR082	SOWARNA LAKSHMI A
47.	E17BAR085	STALIN V
48.	E17BAR086	SUBASHREE P
49.	E17BAR087	SUDHANTHIRADEVI V
50.	E17BAR088	SUKANYA G
51.	E17BAR091	VIDHYA R
52.	E17BAR092	VIJAYALAKSHMI P
53.	E17BAR005	Arunya.R
54.	E17BAR011	Dhivya.A
55.	E17BAR013	Gunabalan V
56.	E17BAR014	IrfanUdeen M

57.	E17BAR015	Iswarya S
58.	E17BAR021	Kaviyarasi K
59.	E17BAR024	Kiruthika M
60.	E17BAR026	Krishnaveni B
61.	E17BAR027	Kuberan S
62.	E17BAR031	Mahadevan R
63.	E17BAR036	Mathibalan G
64.	E17BAR037	Mohamed Naseem A
65.	E17BAR038	Mohamed Riswan M
66.	E17BAR039	Mohamad syed Ibrahim H
67.	E17BAR040	Mohamed Nasar M
68.	E17BAR041	Mohana Priya N
69.	E17BAR042	Mugesh Kumar M
70.	E17BAR043	Nagalakshmi R
71.	E17BAR047	Nivetha N
72.	E17BAR053	Prakashraj R
73.	E17BAR056	Praveen G
74.	E17BAR057	Praveenkumar B
75.	E17BAR058	Praveenkumar R
76.	E17BAR061	Prithiviraj M
77.	E17BAR062	Priyanka S
78.	E17BAR065	Rajasri M
79.	E17BAR066	Rajeshwari C
80.	E17BAR071	Sangavi K
81.	E17BAR075	Saranya S(08.08.1996)
82.	E17BAR080	Siva Kumar R
83.	E17BAR081	Soundarya U
84.	E17BAR083	Sowmiya M
85.	E17BAR084	Sridevipriya V
86.	E17BAR089	Sukanya K.S

87.	E17BAR093	Vijayaraj T
88.	E17BAR094	Yogeswari D

E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
Department of Management Studies
R Programming – Value Added Course Attendance
BATCH 2017-2019

S. No	Reg. No	Name	06-11-2017	07-11-2017	08-11-2017	09-11-2017	10-11-2017
1	E17BAR001	ABILA B					
2	E17BAR002	ABINAYA A					
3	E17BAR003	ANUPRIYA R					
4	E17BAR006	AZHARUDEEN K					
5	E17BAR007	BAKKIYAVATHI S					
6	E17BAR008	BOOPATHI RAJAN T					
7	E17BAR009	BUCHIYA A					
8	E17BAR010	DEVAHI S					
9	E17BAR012	EZHILARASI S					
10	E17BAR016	JANANI S					
11	E17BAR018	KANNAYIRAMOORTHI.R					
12	E17BAR019	KASTHURI R					
13	E17BAR020	KAVIYA R					
14	E17BAR022	KAYALVIZHI R					
15	E17BAR023	KEERTHANA A					
16	E17BAR025	KOKILA K					
17	E17BAR028	MADHUMATHY B					
18	E17BAR029	MADHUMITHA K					
19	E17BAR030	MAGESHWARI K					
20	E17BAR032	MANIBALA A					
21	E17BAR034	MANIMOZHI B					
22	E17BAR035	MANIVANNAN N					
23	E17BAR044	NAVAJAYA VIGNESH R					
24	E17BAR045	NIRMALA K					
25	E17BAR046	NIVETHA J					
26	E17BAR048	NIVETHA V					
27	E17BAR049	PAVITHRA. M					
28	E17BAR050	PAVITHRA.P					
29	E17BAR051	PONNARASU S					
30	E17BAR052	POONGUZHALI K R					
31	E17BAR054	PRAMILA.J					
32	E17BAR055	PRASANTHI R					
33	E17BAR059	PREETHI J					
34	E17BAR060	PRITHIVI S					
35	E17BAR064	RAJALAKSHMI S					
36	E17BAR067	REETHA M					
37	E17BAR068	ROOBHIYA M					
38	E17BAR069	SABIYA D					
39	E17BAR070	SANGAVI C					
40	E17BAR073	SANTHIYA P					
41	E17BAR074	SARANYA S(27.5.1997)					
42	E17BAR076	SARAVANAN P G					
43	E17BAR077	SARULATHA S					
44	E17BAR078	SARUMATHY G					
45	E17BAR079	SATHISH KUMAR S					
46	E17BAR082	SOWARNA LAKSHMI A					
47	E17BAR085	STALIN V					
48	E17BAR086	SUBASHREE P					
49	E17BAR087	SUDHANTHIRADEVI V					
50	E17BAR088	SUKANYA G					

51	E17BAR091	VIDHYA R					
52	E17BAR092	VIJAYALAKSHMI P					
53	E17BAR005	Arunya.R					
54	E17BAR011	Dhivya.A					
55	E17BAR013	Gunabalan V					
56	E17BAR014	IrfanUdeen M					
57	E17BAR015	Iswarya S					
58	E17BAR021	Kaviyarasi K					
59	E17BAR024	Kiruthika M					
60	E17BAR026	Krishnaveni B					
61	E17BAR027	Kuberan S					
62	E17BAR031	Mahadevan R					
63	E17BAR036	Mathibalan G					
64	E17BAR037	Mohamed Naseem A					
65	E17BAR038	Mohamed Riswan M					
66	E17BAR039	Mohamad syed Ibrahim H					
67	E17BAR040	Mohamed Nasar M					
68	E17BAR041	Mohana Priya N					
69	E17BAR042	Mugesh Kumar M					
70	E17BAR043	Nagalakshmi R					
71	E17BAR047	Nivetha N					
72	E17BAR053	Prakashraj R					
73	E17BAR056	Praveen G					
74	E17BAR057	Praveenkumar B					
75	E17BAR058	Praveenkumar R					
76	E17BAR061	Prithiviraj M					
77	E17BAR062	Priyanka S					
78	E17BAR065	Rajasri M					
79	E17BAR066	Rajeshwari C					
80	E17BAR071	Sangavi K					
81	E17BAR075	Saranya S (08.08.1996)					
82	E17BAR080	Siva Kumar R					
83	E17BAR081	Soundarya U					
84	E17BAR083	Sowmiya M					
85	E17BAR084	Sridevipriya V					
86	E17BAR089	Sukanya K.S					
87	E17BAR090	Swathi S					
88	E17BAR093	Vijayaraj T					
89	E17BAR094	Yogeswari D					

Course Coordinator

PROFILE

Name	Mrs.C.Mallika
Designation	Associate Professor
Qualification	MCA,MBA,M.Phil,(Ph.D.,)
Experience	12 Years
Conference	International -07 National-09
Publication	05
FDP/Seminar/workshop/attended	25
FDP-Organized	01-Anna university
No Project student guide	60 students
Professional Affiliations	ISTE Member
Fund received from other agencies	Rs-20,000 from TNSCST in Chennai, Rs .6,000 From TamilNadu Government for student project
Awarded Received	100% produced Academic result in Anna university Examination
Other Information	NBA coordinator, Lab Coordinator, Project Coordinator, Alumni Coordinator, Fine arts coordinator

Signature

Structure and Content of the programme from 06-11-2017 to 10-11-2017 R Programming

Introduction:

R is a powerful programming language that has gained popularity in recent years, especially in the field of data analysis and statistical computing. Developed by Ross Ihaka and Robert Gentleman in 1993, R is an open-source software that is free to use and has a large community of users and developers. This report provides an overview of R programming, including its history, features, and applications.

In today's business world, data analysis and statistical modeling are essential skills for MBA students. R is a powerful programming language that is widely used for data analysis, statistical modeling, and data visualization. This report provides an overview of R programming and its use for MBA students.

Below are the snippets of topics taught by Mrs. C. Mallika during the course:

Scope of R Programming for MBA Students:

Data Analysis: R is a versatile tool for data analysis and manipulation, which makes it an ideal choice for MBA students who need to analyze data and make informed business decisions. R has a variety of functions and packages that make it easy to clean, manipulate, and visualize data.

Statistical Modeling: R is a powerful tool for statistical modeling, including linear regression, logistic regression, and time series analysis. MBA students can use R to build and evaluate models that can help them make informed business decisions.

Data Visualization: R is a valuable tool for data visualization, including scatter plots, histograms, and bar charts. MBA students can use R to visualize data and results, which can help them communicate their findings and make more informed business decisions.

Machine Learning: R is used for machine learning, including decision trees, random forests, and neural networks. MBA students can use R to build and evaluate machine learning models, which can help them make informed business decisions.

How to Learn R Programming:

Online Resources: There are a variety of online resources for learning R programming, including tutorials, forums, and online courses. MBA students can use these resources to learn the basics of R programming and how to apply it to their specific needs.

Books: There are a variety of books available on R programming, including introductory texts, advanced texts, and books that focus on specific applications. MBA students can use these books to learn more about R programming and how to apply it to their specific needs.

Community: R has a large community of users and developers, who are a valuable resource for MBA students. MBA students can ask questions, share their experiences, and learn from others who are using R programming.

Benefits of using R for Data Analysis:

Versatility: R is a versatile tool that can be used for a wide range of data analysis tasks, from basic data cleaning and manipulation to advanced statistical modeling and machine learning. R also has a vast array of packages and functions that can be used to perform specific data analysis tasks, making it a flexible and efficient tool for data analysis.

User-friendly Interface: R has a user-friendly interface, with a simple and intuitive syntax that makes it easy to use for even those with limited programming experience. This makes it a great choice for individuals who are new to data analysis and programming, as well as those who are already familiar with other programming languages.

Graphics and Visualization: R is also an excellent tool for data visualization, with a wide range of packages and functions for creating plots, graphs, and charts. These visualizations can be used to quickly and easily communicate data insights and results, making it easier for stakeholders to understand and interpret complex data.

Steps involved in conducting a basic data analysis using R:

Importing Data: The first step in conducting a data analysis using R is to import the data. This can be done using the read.csv function, which allows you to import a data file in CSV format into R.

Cleaning and Manipulating Data: After the data has been imported, it may need to be cleaned and manipulated to prepare it for analysis. This can be done using R functions and packages, such as dplyr and tidyr, which provide tools for cleaning, transforming, and aggregating data.

Exploratory Data Analysis: The next step is to perform exploratory data analysis, which involves reviewing the data and generating summary statistics to get a better understanding of the data structure and distribution. This can be done using R functions and packages, such as summary and ggplot2, which provide tools for generating summary statistics and creating visualizations.
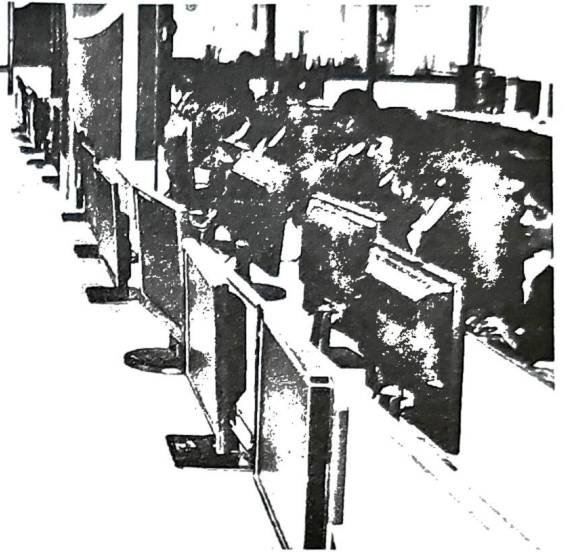
Modeling: Once the data has been prepared and reviewed, it can be used to build statistical models or perform machine learning analysis. R has a wide range of packages and functions for building models, including linear regression, logistic regression, and decision trees.

Interpreting Results: The final step is to interpret the results of the analysis, including reviewing the results of the models and visualizations. The results can be used to draw conclusions, make predictions, or inform decision-making.

Sample Screenshots:

E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS),
DEPARTMENT OF MANAGEMENT STUDIES
Feedback for Path Finding for B School

Name of the student:				
Class:				
Section:				
Batch:				

1. The information presented today was clear and easy to understand

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

2. The materials used (eg. Presentation, slides, videos) were helpful and contained useful information.

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

3. The presenter spoke in a way that was clear and easy to understand

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

4. The presenter interacted well with the audience

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

5. The presenter seemed well-informed about the topic

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

6. You are likely to use this information in the future

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

7. How would you rate the overall experience of the event

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

Signature

E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS),
DEPARTMENT OF MANAGEMENT STUDIES
Feedback for Value Added Course on R Programming

Name of the student: V. Stalin

Class: I MBA — A

Section: A

Batch: 2017 — 19

1. The information presented today was clear and easy to understand

Strongly Agree ✓	Agree	Neutral	Disagree	Strongly Disagree

2. The materials used (eg. Presentation, slides, videos) were helpful and contained useful information.

Strongly Agree	Agree ✓	Neutral	Disagree	Strongly Disagree

3. The presenter spoke in a way that was clear and easy to understand

Strongly Agree	Agree ✓	Neutral	Disagree	Strongly Disagree

4. The presenter interacted well with the audience

Strongly Agree	Agree ✓	Neutral	Disagree	Strongly Disagree

5. The presenter seemed well-informed about the topic

Strongly Agree ✓	Agree	Neutral	Disagree	Strongly Disagree

6. You are likely to use this information in the future

Strongly Agree	Agree ✓	Neutral	Disagree	Strongly Disagree

7. How would you rate the overall experience of the event

Strongly Agree ✓	Agree	Neutral	Disagree	Strongly Disagree

Signature

E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS),
DEPARTMENT OF MANAGEMENT STUDIES
Feedback for Value Added Course on R Programming

Name of the student: S. Priyanka

Class: I MBA 'B'

Section: B

Batch: 2017-2019

1. The information presented today was clear and easy to understand

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
✓				

2. The materials used (eg. Presentation, slides, videos) were helpful and contained useful information.

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
✓				

3. The presenter spoke in a way that was clear and easy to understand

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
	✓			

4. The presenter interacted well with the audience

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
✓				

5. The presenter seemed well-informed about the topic

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
✓				

6. You are likely to use this information in the future

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
	✓			

7. How would you rate the overall experience of the event

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
✓				

Signature

E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS),
DEPARTMENT OF MANAGEMENT STUDIES
Feedback for Value Added Course on R Programming

Name of the student: PREETHI . J

Class: I MBA

Section: A

Batch: 2017 - 2019

1. The information presented today was clear and easy to understand

Strongly Agree ✓	Agree	Neutral	Disagree	Strongly Disagree

2. The materials used (eg. Presentation, slides, videos) were helpful and contained useful information.

Strongly Agree ✓	Agree	Neutral	Disagree	Strongly Disagree

3. The presenter spoke in a way that was clear and easy to understand

Strongly Agree ✓	Agree	Neutral	Disagree	Strongly Disagree

4. The presenter interacted well with the audience

Strongly Agree ✓	Agree	Neutral	Disagree	Strongly Disagree

5. The presenter seemed well-informed about the topic

Strongly Agree ✓	Agree	Neutral	Disagree	Strongly Disagree

6. You are likely to use this information in the future

Strongly Agree	Agree ✓	Neutral	Disagree	Strongly Disagree

7. How would you rate the overall experience of the event

Strongly Agree	Agree ✓	Neutral	Disagree	Strongly Disagree

Signature

E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS),
DEPARTMENT OF MANAGEMENT STUDIES
Feedback for Value Added Course on R Programming

Name of the student: V. Sridevipriya

Class: I - MBA

Section: B

Batch: 2017-19

1. The information presented today was clear and easy to understand

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

2. The materials used (eg. Presentation, slides, videos) were helpful and contained useful information.

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

3. The presenter spoke in a way that was clear and easy to understand

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

4. The presenter interacted well with the audience

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

5. The presenter seemed well-informed about the topic

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

6. You are likely to use this information in the future

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

7. How would you rate the overall experience of the event

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

Signature

Sample Certificates:

E.G.S PILLAY ENGINEERING COLLEGE (AUTONOMUS) NAGAPATTINAM

DEPARTMENT OF MANAGEMENT STUDIES

THIS CERTIFIES THAT

ABINAYA A

HAS SUCCESSFULLY COMPLETED THE R PROGRAMMING
VALUE ADDED COURSE AND HAS AWARDED GRADE "O"

10 NOVEMBER 2017

Mrs.B.Asha Daisy
Course In-Charge

Dr.R.Karthi,
Director & Head-MBA

E.G.S PILLAY ENGINEERING COLLEGE (AUTONOMUS) NAGAPATTINAM

DEPARTMENT OF MANAGEMENT STUDIES

THIS CERTIFIES THAT

ABILA B

HAS SUCCESSFULLY COMPLETED THE R PROGRAMMING
VALUE ADDED COURSE AND HAS AWARDED GRADE "O"

10 NOVEMBER 2017

Mrs.B.Asha Daisy
Course In-Charge

Dr.R.Karthi,
Director & Head-MBA

Attainment Analysis:

NAME OF THE STUDENTS PARTICIPATED IN THE EVENT	ATTAINMENT ANALYSIS							CO1 CO2 & CO3		
	1	2	3	4	5	6	7	6	7	8
ABILA B	5	5	4	5	5	5	5	5	4	5
ABINAYA A	4	4	4	4	4	5	4	5	5	5
ANUPRIYA R	4	4	4	4	5	5	4	4	4	5
AZHARUDEEN K	5	5	5	5	4	4	5	5	5	5
BAKKIYAVATHI S	4	4	4	4	5	4	4	4	4	4
BOOPATHI RAJAN T	5	5	5	5	4	5	5	5	4	4
BUCHIYA A	5	4	4	5	5	4	4	5	5	4
DEVAHI S	4	5	4	5	4	5	5	5	4	4
EZHILARASI S	4	4	4	4	5	4	4	5	5	5
JANANI S	4	4	4	4	4	5	4	4	4	5
KANNAYIRAMOORTHI.R	4	4	4	4	4	4	4	5	5	5
KASTHURI R	4	4	4	4	5	5	4	4	4	4
KAVIYA R	5	5	5	5	4	4	5	5	5	5
KAYALVIZHI R	5	5	5	5	5	5	5	4	4	5
KEERTHANA A	4	4	5	4	4	4	4	5	5	5
KOKILA K	4	4	4	5	5	4	4	4	4	4
MADHUMATHY B	4	5	4	5	4	5	4	5	4	4
MADHUMITHA K	4	4	4	4	4	4	4	5	5	5
MAGESHWARI K	4	5	4	4	5	5	4	4	4	5
MANIBALA A	4	5	4	4	4	4	4	5	5	5
MANIMOZHI B	5	5	5	5	4	5	5	4	4	4
MANIVANNAN N	5	5	5	5	4	4	5	5	5	5
NAVAJAYA VIGNESH R	5	5	5	5	4	4	5	4	4	4
NIRMALA K	4	4	4	4	5	5	4	4	4	5
NIVETHA J	5	4	5	4	4	4	5	5	5	5
NIVETHA V	4	4	4	4	4	4	4	4	4	4
PAVITHRA P	4	4	4	5	4	4	5	5	4	4
PAVITHRA.M	5	4	4	4	5	4	4	5	4	5
PONNARASU S	5	4	4	5	4	5	4	4	4	5
POONGUZHALI K R	4	4	4	4	5	4	4	5	5	5
PRAMILA.J	5	5	5	5	4	4	5	4	4	4

Name										
PRASANTHI R	5	4	4	4	4	4	4	5	4	4
PREETHI J	5	5	5	5	4	5	5	5	4	5
PRITHIVI S	5	5	4	4	5	4	5	4	5	5
RAJALAKSHMI S	5	4	4	4	4	5	4	4	4	5
REETHA M	5	5	5	5	5	4	5	5	5	5
ROOBHIYA M	5	4	5	5	4	4	4	4	4	4
SABIYA D	4	4	4	4	4	4	5	5	4	4
SANGAVI C	4	4	5	5	4	5	4	5	4	5
SANTHIYA P	5	5	5	4	5	4	5	4	5	4
SARANYA S(27.5.1997)	4	4	4	4	4	5	4	4	4	5
SARAVANAN P G	4	5	4	4	5	4	4	5	5	5
SARULATHA S	5	5	5	5	4	4	5	4	4	4
SARUMATHY G	5	5	5	5	5	4	5	5	4	4
SATHISH KUMAR S	5	5	5	5	4	5	5	5	4	5
SOWARNA LAKSHMI A	4	4	5	4	4	4	4	5	5	5
STALIN V	4	5	4	4	5	5	4	4	4	5
SUBASHREE P	4	4	4	4	4	4	4	5	5	5
SUDHANTHIRADEVI V	5	5	5	5	4	5	5	4	4	4
SUKANYA G	4	4	4	4	5	4	5	5	5	5
VIDHYA R	4	4	5	4	4	4	4	4	4	4
VIJAYALAKSHMI P	4	4	4	4	5	5	4	4	4	5
Arunya.R	5	4	4	4	4	4	5	5	5	5
Dhivya.A	5	5	4	4	4	4	4	4	4	4
Gunabalan V	5	4	4	5	5	5	4	5	4	5
IrfanUdeen M	5	5	5	4	4	4	4	5	5	5
Iswarya S	4	5	4	4	5	5	4	4	4	5
Kaviyarasi K	4	4	4	4	4	4	5	5	5	5
Kiruthika M	4	4	4	4	5	4	4	4	4	4
Krishnaveni B	4	4	4	4	4	5	4	5	4	4
Kuberan S	4	5	4	4	5	4	5	5	5	4
Mahadevan R	4	4	4	4	4	5	4	5	4	4
Mathibalan G	5	5	5	5	5	4	5	5	5	5
Mohamed Naseem A	5	5	5	5	4	5	5	4	4	5
Mohamed Riswan M	4	4	5	4	4	4	5	5	5	5
Mohamad syed	4	4	4	5	5	5	4	4	4	4

Name										
Ibrahim H	5	4	4	5	4	4	5	5	5	5
Mohamed Nasar M	4	4	4	4	5	5	5	4	4	5
Mohana Priya N	4	5	4	5	4	4	5	5	5	5
Mugesh Kumar M	5	4	4	4	4	4	4	4	4	4
Nagalakshmi R	5	5	5	4	4	5	5	5	4	4
Nivetha N	5	4	5	5	5	4	5	5	5	5
Prakashraj R	5	5	5	5	4	5	5	4	4	5
Praveen G	4	4	4	5	5	4	4	5	5	5
Praveenkumar B	4	4	4	4	4	4	4	4	4	4
Praveenkumar R	4	4	4	4	5	4	5	5	4	4
Prithiviraj M	4	4	5	5	5	5	4	5	4	5
Priyanka S	5	5	4	5	5	4	5	4	5	4
Rajasri M	4	4	4	4	5	5	4	4	4	5
Rajeshwari C	4	5	4	4	4	4	4	5	5	5
Sangavi K	5	5	5	5	5	5	5	4	4	4
Saranya S(08.08.1996)	5	5	5	5	4	5	5	5	4	4
Siva Kumar R	5	5	5	5	4	5	5	5	4	5
Soundarya U	4	4	5	4	5	4	4	5	5	5
Sowmiya M	4	5	4	4	5	5	4	4	4	5
Sridevipriya V	4	4	4	4	5	5	4	5	5	5
Sukanya K.S	5	5	5	5	4	5	5	4	4	4
Vijayaraj T	4	4	4	4	5	5	4	5	5	5
Yogeswari D	4	4	5	4	5	5	4	4	4	4
Total	396	395	391	394	395	396	395	407	390	410
Total/75	4.5	4.5	4.4	4.5	4.5	4.5	4.5	4.6	4.4	4.7
Consolidated points	31.4							13.7		
	3							3		

Feedback	
<11	1
12 – 22	2
22– 35	3

CO 1,2,3	
<5	1
6– 10	2
11– 15	3

	PO4	PO6
F	S	S
CO	S	M

	PO4	PO6
F	3	3
CO	3	2

	PO4	PO6
F	9.00	9.00
CO	9.00	6.00

	PO4	PO6
F	3.0	3.0
CO	3.0	2.0