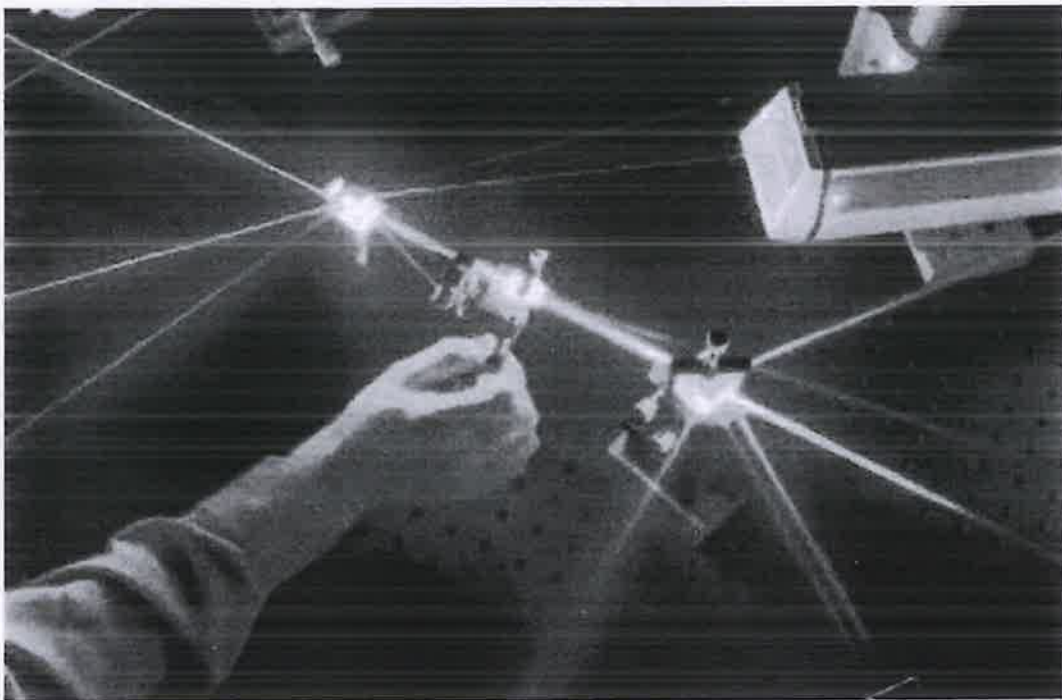


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Seminar
On
PHOTONICS

Date: 08.02.2017
Beneficiaries: IV ECE A



Organized By
Department of Electronics And Communication
Engineering

E.G.S.PILLAY ENGINEERING COLLEGE – NAGAPATTINAM

DEPARTMENT OF ECE

Seminar On

“PHOTONICS”

DATE:08.02.2017

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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


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Seminar Summary

1. Name of speaker : Mr.M.IRSHAD AHAMED
2. Degree : M.Tech.,(P.hD),
3. Speaker Details : Assistant professor,
Department of ECE,
E.G.S. Pillay Engineering College,
Nagapattinam.
4. Date : 08.02.2017
5. Beneficiary Details: Final Year, VIII semester
6. Title : *PHOTONICS*

- The Nature of Light
- Geometrical optics
- Optical instrumentation
- Interference of Light
- Optical Interferometry
- Fraunhofer Diffraction
- Polarization of Light
- LASER Basics and Applications

Mapping of Seminar Outcomes Vs Program Outcomes :

Seminar outcomes	Programme Outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
By Attending this seminar, Students will understand the photonics and its applications.	2	2										2

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PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 052.
 Nagapattinam (Dt) Tamil Nadu.

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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

03.02.2017

CIRCULAR

It is here by informed that Department of ECE is going to organize a Seminar on "*Photonics*" on 08.02.2017 (10.30 am to 12.30 am) by Mr.M.Irshad Ahamed, Assistant Professor, Department of ECE for final year ECE – A Section Students. All the final year students are instructed to attend the seminar without fail.



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E.G.S.Pillay Engineering College, Nagapattinam
Department of Electronics and Communication Engineering

Department Vision

- To produce globally skilled, creative, ethical professionals with social enthusiasm and academic excellence with lifelong learning in Electronics and Communication engineering field.

Department Mission

- Establish the emerging requirements and nurture the spirit of innovation and creativity for individuals with international competency.
- Impart quality education with value added engineering programs to prepare technically sound, ethically strong engineers with social awareness.
- Promote centre of excellence and inculcate the quest for continuous advanced learning with productive careers in industry and research.

Programme Educational Objectives

1. Graduates successful technical or professional careers in the electronics and communication engineering and its relative disciplines
2. Graduate will exhibit technical skills to meet the day to day challenges with social consciousness.
3. Graduate will possess lifelong learning ability and teamwork capability

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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.



E.G.S.Pillay Engineering College, Nagapattinam

Department of Electronics and Communication Engineering

Programme Specific Outcomes

PSO 1: Examine the emerging areas in the field of communication/networking and signal processing.

PSO 2: Apply the principles of semiconductor devices, Digital systems, Microprocessors in the field of consumer electronics, medical, defense and spacecraft electronic industry

PSO 3: Design and analyze subsystems and /or modules as a team for a variety of comparisons and recent applications in Electronics and Communications.

PSO 4: Adapt recent developments in the electronics and communication engineering areas along with state of the art Software tools.

Programme Outcomes

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex Electronics and Communication Engineering problems.
2. **Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems using basics of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety and societal considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to solve engineering problems.
6. **The engineer and society:** Apply reasoning to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

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PRINCIPAL**

E.G.S. Pillay Engineering College,
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7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively and write effective reports and design documentation, make effective presentations in both verbal and written form.
11. **Project management and finance:** Demonstrate knowledge and understanding of the electronics and communication engineering and management principles and apply these as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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PRINCIPAL
E.G.S. Pillay Engineering College
Thethi, Nagore - 614 002.
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E.G.S.PILLAY ENGINEERING COLLEGE – NAGAPATTINAM
DEPARTMENT OF ECE
SEMINAR ON 'PHOTONICS'
ATTENDANCE SHEET

DATE : 08.02.2017

SL. NO	REG.NUMBER	STUDENT NAME	SIGNATURE
1	820813106001	Aarthi.A	Aarthi.A
2	820813106002	Abirami.S	S. Abirami
3	820813106003	Ajitha.A	A. Ajitha
4	820813106004	Amudha.K	K. Amudha
5	820813106005	Anusuya.V	V. Anusuya
6	820813106006	Arunkumar.P	P. Arunkumar
7	820813106007	D.Bairavan	D. Bairavan
8	820813106008	Bhuvanesh.B	B. Bhuvanesh
9	820813106009	Bhuvaneshwari.R	R. Bhuvaneshwari
10	820813106010	Deepa.C	C. Deepa
11	820813106011	Deepika Raj.R	R. Deepika Raj
12	820813106012	K.G.Devi Priyanka	Priyanka K.G.
13	820813106013	Dhanalakshmi.J	J. Dhanalakshmi
14	820813106014	Dhanya.K	K. Dhanya
15	820813106015	Dhavamanickam.A	A. Dhavamanickam
16	820813106016	Dhivyabharathi.K	K. Dhivyabharathi
17	820813106017	Durga Devi.L	L. Durga Devi
18	820813106018	Durgalakshmi.P	P. Durgalakshmi
19	820813106019	Elakkiya.R	R. Elakkiya
20	820813106020	Elandevi.E	E. Elandevi
21	820813106021	Elavarasan.K	K. Elavarasan
22	820813106022	Gnanambiga.V	V. Gnanambiga
23	820813106023	Guganesh S	S. Guganesh
24	820813106024	Gunasekaran:S	S. Gunasekaran
25	820813106025	P.Hari Rexantha	P. Hari Rexantha
26	820813106026	P.Hera Shibani	P. Hera Shibani
27	820813106027	Jagathiya.M	M. Jagathiya
28	820813106028	Jannet.R	R. Jannet
29	820813106029	Jayabharathi.J	J. Jayabharathi
30	820813106030	Jayasree.R	R. Jayasree
31	820813106031	Jothibasu.K	K. Jothibasu
32	820813106032	Kalaivanan M	M. Kalaivanan
33	820813106033	Kalaivani.S	S. Kalaivani
34	820813106034	Kalayarasi.K	K. Kalayarasi
35	820813106035	Kalidass.D	D. Kalidass
36	820813106036	Kamali P	P. Kamali
37	820813106037	Kameswari K	K. Kameswari
38	820813106039	Karthika.S	S. Karthika
39	820813106040	Karthika.S	S. Karthika

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PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002,
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40	820813106041	Kasthuri.K	Kasthuri.K
41	820813106042	Kavinilavan.R	Kavinilavan.R
42	820813106043	Kavitha.K	Kavitha.K
43	820813106044	Kavya.S	S. Kavya
44	820813106045	Keerthana.M	M. Keerthana
45	820813106046	Keerthana.R	P. Keerthana
46	820813106047	Lalitha.D	Lalitha.D
47	820813106048	Lalitha.M	Lalitha.M
48	820813106049	Lalitha Devi.D	Lalitha Devi.D
49	820813106050	Lavanya.S	S. Lavanya
50	820813106051	Liyander Beski.T	Liyander Beski.T
51	820813106052	Mahalakshmi.K	Mahalakshmi.K
52	820813106053	Manikandan M	Manikandan M
53	820813106054	Manikanda Prabhu.S	Manikanda Prabhu.S
54	820813106055	Manimaran.V	Manimaran.V
55	820813106056	Manimuthu.P	Manimuthu.P
56	820813106057	Marimuthu.G	Marimuthu.G
57	820813106058	Meenu.M	Meenu.M
58	820813106059	Mekala.G	Mekala.G
59	820813106060	Menaga.R	Menaga.R
60	820813106061	Mounika.K	Mounika.K
61	820813106062	Mursithabanu.S	Mursithabanu.S
62	820812106305	Meena	Meena
63	820813106310	Rajagopal.A	Rajagopal.A
64	820812106316	Vigneshwarani.M	Vigneshwarani.M
65	820812106702	Muthumani	Muthumani

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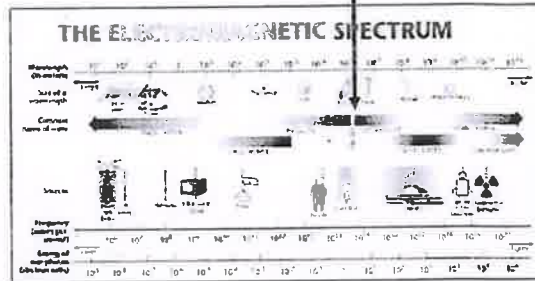
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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt), Tamil Nadu.

Optics and Photonics

M.Irshad Ahamed.,M.Tech.,(P.hD).,
Asst.Professor/ECE
E.G.S.PILLAY ENGINEERING COLLEGE,
NAGAPATTINAM.

Nature of Light (Hecht 3.6)

Optics



Nature of Light

- Particle
 - Isaac Newton (1642-1727)
 - *Optics*
- Wave
 - Huygens (1629-1695)
 - *Treatise on Light (1678)*
- Wave-Particle Duality
 - De Broglie (1924)

Young, Fraunhofer and Fresnel (1800s)

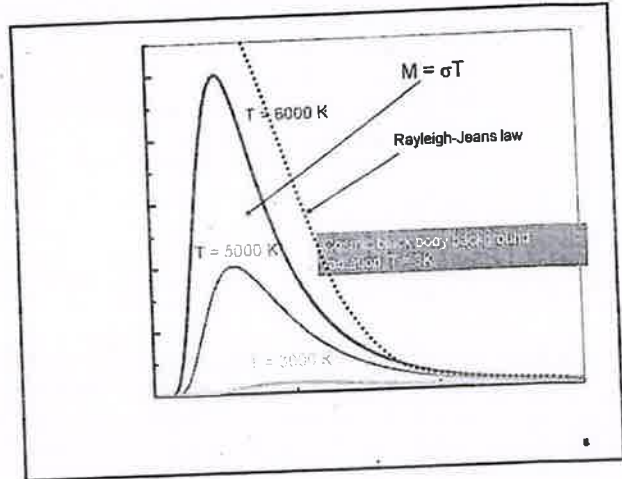
- Light as waves!
- Interference
 - Thomas Young's (1773-1829) double slit experiment
 - see <http://members.tripod.com/~vsg/interf.htm>
- Diffraction
 - Fraunhofer (far-field diffraction)
 - Augustin Fresnel (1788-1827) (near-field diffraction & polarization)
- Electromagnetic waves
 - Maxwell (1831-1879)

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E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
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Max Planck's Blackbody Radiation (1900)

- Light as particles
- Blackbody – absorbs all wavelengths and conversely emits all wavelengths
- The observed spectral distribution of radiation from a perfect blackbody did not fit classical theory (Rayleigh-Jeans law) \Rightarrow ultraviolet catastrophe



Planck's hypothesis (1900)

- To explain this spectra, Planck assumed light emitted/absorbed in discrete units of energy (quanta),

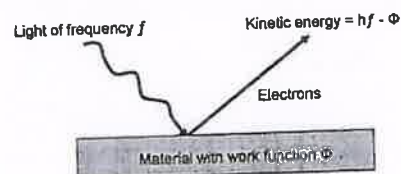
$$E = n hf$$

- Thus the light emitted by the blackbody is,

$$M(\lambda) = \frac{2\pi hc^2}{\lambda^5} \left(\frac{1}{e^{hc/\lambda kT} - 1} \right)$$

Photoelectric Effect (1905)

- Light as particles
- Einstein's (1879-1955) explanation – light as particles = photons



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Luis de Broglie's hypothesis (1924)

- Wave and particle picture
- Postulated that all particles have associated with them a wavelength,

$$\lambda = \frac{h}{p}$$

- For any particle with rest mass m_0 , treated relativistically,

$$E^2 = p^2 c^2 + m_0^2 c^4$$

Photons and de Broglie

- For photons $m_0 = 0$
- $E = pc$
- Since also $E = hf$

$$\lambda = \frac{h}{p} = \frac{h}{E/c} = \frac{h}{hf/c} = \frac{c}{f}$$

- But the relation $c = \lambda f$ is just what we expect for a harmonic wave

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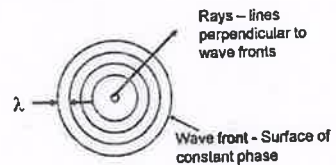
Wave-particle duality

- All phenomena can be explained using either the wave or particle picture
- Usually, one or the other is most convenient
- In OPTICS we will use the wave picture predominantly

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Propagation of light: Huygens' Principle (Hecht 4.4.2)

- E.g. a point source (stone dropped in water)
- Light is emitted in all directions – series of crests and troughs



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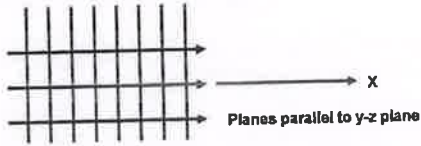
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PRINCIPAL

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Thethi, Nagercoil - 611 002,
Nagapattinam (Dt) Tamil Nadu.

Terminology

- Spherical waves – wave fronts are spherical
- Plane waves – wave fronts are planes
- Rays – lines perpendicular to wave fronts in the direction of propagation



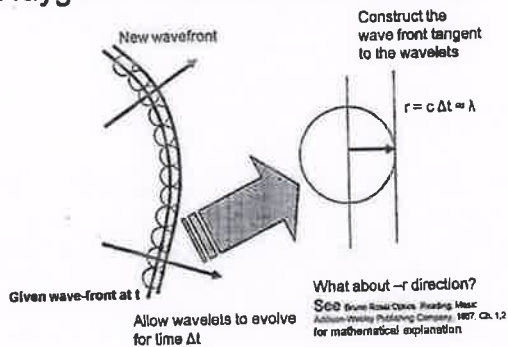
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Huygen's principle

- Every point on a wave front is a source of secondary wavelets.
- i.e. particles in a medium excited by electric field (E) re-radiate in all directions
- i.e. in vacuum, E, B fields associated with wave act as sources of additional fields

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Huygens' wave front construction



15

Plane wave propagation



- New wave front is still a plane as long as dimensions of wave front are $\gg \lambda$
- If not, edge effects become important
- Note: no such thing as a perfect plane wave, or collimated beam

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PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SEMINAR EVALUATION FORM

Title of the seminar: "PHOTONICS"

Date: 08.02.2017

Dept. Name : ECE

Beneficiaries: IV ECE A

Seminar type: INTERNAL

Overall Organisation of the Seminar

Please rate the following aspects of the seminar 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 seminar 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

Overall Experience about the seminar 5 4 **3 2 1**

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

C. Deepa
STUDENT SIGNATURE
C. Deepa

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- 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 seminar 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

Overall Experience about the seminar

⑤ 4 3 2 1

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E. elandevi
STUDENT SIGNATURE
 E. elandevi

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.



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SEMINAR EVALUATION FORM

Title of the seminar: "PHOTONICS"

Date: 08.02.2017

Dept. Name : ECE

Beneficiaries: IV ECE A

Seminar type: INTERNAL

Overall Organisation of the Seminar

Please rate the following aspects of the seminar 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 seminar 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

Overall Experience about the seminar 5 (4) 3 2 1

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

K. Dhanya
STUDENT SIGNATURE

K.DHANYA

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Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thennur, Nagore - 611 002,
 Nagapattinam (TN) Tamil Nadu,



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SEMINAR EVALUATION FORM

Title of the seminar: "PHOTONICS"

Date: 08.02.2017

Dept. Name : ECE

Beneficiaries: IV ECE A

Seminar type: INTERNAL

Overall Organisation of the Seminar

Please rate the following aspects of the seminar 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 seminar 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

Overall Experience about the seminar (5) 4 3 2 1

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

K. Elayarasan
STUDENT SIGNATURE
K. ELAYARASAN

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[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.



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OBSERVATION REPORT

Seminar On Photonics

Date: 08.02.2017

Beneficiaries: IV ECE A

From the feedback analysis report, we concluded the following

1. The topic coverage and relevance of this seminar is very good. (Overall Rating 4).
2. The objective of the seminar is clearly defined. (Overall Rating 3).
3. The quality of delivered content is Good(Overall rating 3).


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Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



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Seminar on photonics
Impact Analysis Question

1. A Gaussian laser beam is
- (a) a beam with Gaussian intensity profile
 - (b) a beam with Gaussian intensity profile and plane wavefronts in the focus
 - (c) a beam with Gaussian intensity profile and plane wavefronts at any position
2. How many absorption/emission cycles does a Nd^{3+} ion on the beam axis of a Nd:YAG laser do per second?
- (a) roughly 20 000
 - (b) roughly 20 millions
 - (c) That is strongly dependent on factors like the output power, pump intensity, etc.
3. Quasi-three-level lasers are less power-efficient
- (a) in any case, as the reabsorption on the laser transition wastes energy
 - (b) for low pump intensities
 - (c) for unidirectional pumping
 - (d) for too high doping concentration and/or a too long laser crystal
4. Why does the use of a laser crystal with a very broad wavelength tuning range typically lead to a high laser threshold?
- (a) because a broad emission bandwidth leads to strong ASE
 - (b) because a broad emission bandwidth leads to a smaller $\sigma\tau$ product
 - (c) because the broad bandwidth results from microscopic disorder, which increases scattering losses
5. Does a saturable absorber as used for passive Q switching of a laser necessarily lead to a substantially reduced power efficiency?
- (a) No, it doesn't. If its saturation energy is very low, not much energy is required to saturate the absorber.
 - (b) No, it doesn't, if one photon can saturate several absorber ions.
 - (c) Yes, the principle of using saturable absorption unavoidably degrades the efficiency, since the absorption must be similarly strong as the initial laser gain.

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PRINCIPAL
E.G.S. Pillay Engineering College,
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6. Which factors lead to short pulses from a passively Q-switched laser?

- (a) a short laser resonator
- (b) a short upper-state lifetime
- (c) a small amount of saturable absorption
- (d) a large amount of saturable absorption
- (e) a high pump intensity
- (f) a laser crystal with high $\sigma\tau$ product

7. When a pulse is generated in a Q-switched solid-state laser, at which level does gain saturation become strong?

- (a) when the intensity reaches the saturation intensity
- (b) when the temporally integrated intracavity power reaches the saturation energy
- (c) when the temporally integrated intracavity power reaches the stored energy

8. Which factors help to minimize the pulse duration from a Q-switched laser?

- (a) a short upper-state lifetime
- (b) a high product of upper-state lifetime and emission cross section
- (c) a high pump intensity and duration
- (d) a short laser resonator

9. Why are semiconductor lasers not suitable for pulse generation via Q switching?

- (a) because semiconductors have very short carrier lifetimes
- (b) because semiconductor gain media have very small gain saturation energies
- (c) because one cannot integrate a Q-switch into a semiconductor chip

10. Is self-starting passive mode locking easier to achieve for short laser resonators?

- (a) yes, because this increases absorber saturation in the early phase of pulse generation
- (b) no, because this reduces the ratio of peak power to average power and thus leads to weaker absorber saturation

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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Seminar on photonics
Answers for Impact Analysis Question.

Question Number	Answers
1	b
2	a
3	b & d
4	b
5	a
6	a & d
7	b
8	b,c,d
9	a
10	a

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S Pillay Engineering College,
Inethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

J. Dhanalakshmi
820813106013

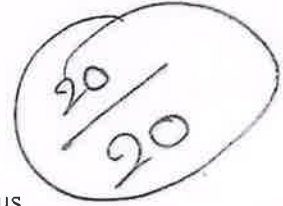


E.G.S. PILLAY ENGINEERING COLLEGE
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NAGAPATTINAM - 611002 TAMIL NADU INDIA
Ph : 04365-251112 / 251114 | E-mail:enquires@egspegc.org | Website : www.egspegc.org



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Seminar on photonics
Impact Analysis Question



1. A Gaussian laser beam is
- (a) a beam with Gaussian intensity profile
 - (b) a beam with Gaussian intensity profile and plane wavefronts in the focus
 - (c) a beam with Gaussian intensity profile and plane wavefronts at any position
2. How many absorption/emission cycles does a Nd^{3+} ion on the beam axis of a Nd:YAG laser do per second?
- (a) roughly 20 000
 - (b) roughly 20 millions
 - (c) That is strongly dependent on factors like the output power, pump intensity, etc.
3. Quasi-three-level lasers are less power-efficient
- (a) in any case, as the reabsorption on the laser transition wastes energy
 - (b) for low pump intensities
 - (c) for unidirectional pumping
 - (d) for too high doping concentration and/or a too long laser crystal
4. Why does the use of a laser crystal with a very broad wavelength tuning range typically lead to a high laser threshold?
- (a) because a broad emission bandwidth leads to strong ASE
 - (b) because a broad emission bandwidth leads to a smaller $\sigma \cdot \tau$ product
 - (c) because the broad bandwidth results from microscopic disorder, which increases scattering losses
5. Does a saturable absorber as used for passive Q switching of a laser necessarily lead to a substantially reduced power efficiency?
- (a) No, it doesn't. If its saturation energy is very low, not much energy is required to saturate the absorber.
 - (b) No, it doesn't, if one photon can saturate several absorber ions.
 - (c) Yes, the principle of using saturable absorption unavoidably degrades the efficiency, since the absorption must be similarly strong as the initial laser gain.


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

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820813106041



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:enquiries@egspeg.org | Website: www.egspeg.org



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Seminar on photonics
Impact Analysis Question

18 / 20

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ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Theethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

S. Lavanya
820813106050



E.G.S. PILLAY ENGINEERING COLLEGE
Approved by AICTE, New Delhi; Affiliated to Anna University, Chennai
An ISO 9001:2008 Certified Institution
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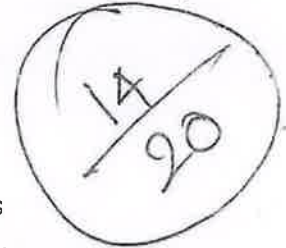


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Seminar on photonics
Impact Analysis Question

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (TN) Tamil Nadu.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Seminar on photonics
Impact Analysis Question

16/20

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PRINCIPAL

E.G.S. Pillay Engineering College,
Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

Seminar on Photonics

(08.02.2017)

ORGANIZED BY

Department of Electronics and Communication Engineering

Mapping with POs

PO Event	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Seminar on photonics	M	M	-	-	-	-	-	-	-	-	-	M	-	-

Attainment Calculations:

S.n	REGISTER NUMBER	STUDENT NAME	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total marks
1	820813106001	Aarthi.A	2	2	2	2	2	2	2	0	2	2	18
2	820813106002	Abirami.S	2	2	2	2	0	2	2	2	2	2	18
3	820813106003	Ajitha.A	2	2	2	2	2	2	2	2	2	2	20
4	820813106004	Amudha.K	2	2	0	2	2	2	2	2	2	2	18
5	820813106005	Anusuya.V	2	2	2	0	2	2	2	2	2	2	18
6	820813106006	Arunkumar.P	2	2	2	2	2	2	2	2	2	2	20
7	820813106007	D.Bairavan	2	2	2	2	2	2	2	2	0	2	18
8	820813106008	Bhuvanesh.B	2	2	0	2	2	0	2	2	2	2	16
9	820813106009	Bhuvaneshwari.R	2	2	2	2	2	2	2	2	2	2	20
10	820813106010	Deepa.C	2	2	2	2	2	2	0	2	2	2	18
11	820813106011	Deepika Raj.R	2	2	2	2	0	2	2	2	2	2	18
12	820813106012	K.G.Devi Priyanka	2	2	2	2	2	2	2	2	2	2	20
13	820813106013	Dhanalakshmi.J	2	2	2	2	2	2	2	2	2	2	20
14	820813106014	Dhanya.K	0	2	2	2	2	2	2	2	2	0	16
15	820813106015	Dhavamanickam.A	2	2	2	2	2	2	2	0	2	2	18
16	820813106016	Dhivyabharathi.K	2	2	2	2	2	2	2	2	2	2	20
17	820813106017	Durga Devi.L	2	2	0	2	2	2	2	2	2	2	18
18	820813106018	Durgalakshmi.P	2	2	2	0	2	2	2	2	2	2	18
19	820813106019	Elakkiya.R	2	2	2	2	2	2	0	2	2	2	18
20	820813106020	Elandevi.E	2	2	2	2	2	2	2	2	2	2	20
21	820813106021	Elavarasan.K	2	2	2	2	2	2	2	2	2	2	20
22	820813106022	Gnanambiga.V	2	2	2	2	2	2	2	2	2	2	20
23	820813106023	Guganesh S	2	2	2	2	2	2	2	2	2	2	20
24	820813106024	Gunasekaran.S	2	2	2	2	2	2	2	2	2	2	20
25	820813106025	P.Hari Rexantha	2	2	2	2	2	2	2	2	2	2	20

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.

26	820813106026	P.Hera Shibani	2	2	2	2	2	2	2	2	2	2	20
27	820813106027	Jagathiya.M	2	2	2	2	2	2	2	2	2	2	20
28	820813106028	Jannet.R	2	2	2	2	2	2	2	2	2	2	20
29	820813106029	Jayabharathi.J	2	2	0	2	2	2	2	2	2	2	18
30	820813106030	Jayasree.R	2	2	2	2	2	2	2	2	0	2	18
31	820813106031	Jothibasu K	2	2	2	2	2	2	2	2	2	2	20
32	820813106032	Kalaivanan M	0	2	2	2	2	0	2	2	2	0	14
33	820813106033	Kalaivani.S	2	2	2	2	2	2	2	2	2	2	20
34	820813106034	Kalayarasi.K	2	2	2	2	2	2	2	2	2	2	20
35	820813106035	Kalidass.D	2	2	2	2	2	2	2	2	2	2	20
36	820813106036	Kamali P	2	2	2	0	2	2	2	2	2	2	18
37	820813106037	Kameswari K	2	2	2	2	2	2	2	2	2	2	20
38	820813106039	Karthika.S	2	2	2	2	2	2	2	2	2	2	20
39	820813106040	Karthika.S	2	2	2	2	2	2	0	2	2	2	18
40	820813106041	Kasthuri.K	2	2	2	2	2	0	2	2	2	2	18
41	820813106042	Kavinilavan.R	2	0	2	2	2	2	2	2	2	2	18
42	820813106043	Kavitha.K	2	2	2	2	2	2	2	2	2	2	20
43	820813106044	Kavya.S	2	2	2	2	2	2	2	2	2	2	20
44	820813106045	Keerthana.M	2	2	2	2	2	2	2	2	2	2	20
45	820813106046	Keerthana.R	2	2	2	2	2	2	2	2	2	2	20
46	820813106047	Lalitha.D	2	2	0	2	2	2	2	2	2	2	18
47	820813106048	Lalitha.M	2	2	2	0	2	0	2	2	2	2	16
48	820813106049	Lalitha Devi.D	0	2	2	2	2	2	2	2	2	0	16
49	820813106050	Lavanya.S	2	2	2	2	2	2	2	2	2	2	20
50	820813106051	Liyander Beski.T	0	0	2	2	2	2	0	2	2	2	14
51	820813106052	Mahalakshmi.K	2	2	2	2	2	2	2	2	0	2	18
52	820813106053	Manikandan M	2	2	2	2	2	2	2	2	2	2	20
53	820813106054	Manikanda Prabhu.S	0	2	2	2	2	0	2	2	2	0	14
54	820813106055	Manimaran.V	2	2	2	2	2	2	2	2	2	2	20
55	820813106056	Manimuthu.P	2	2	2	2	2	2	2	2	2	2	20
56	820813106057	Marimuthu.G	2	2	2	2	2	2	2	2	2	2	20
57	820813106058	Meenu.M	0	0	2	0	2	2	2	2	2	2	14
58	820813106059	Mekala.G	2	2	2	2	2	2	2	2	2	2	20
59	820813106060	Menaga.R	2	2	2	2	2	2	2	2	2	2	20
60	820813106061	Mounika.K	2	2	2	2	2	2	0	2	2	2	18
61	820813106062	Mursithabanu.S	2	2	2	2	2	0	2	2	2	2	18
62	820812106305	Meenu	2	0	2	2	2	2	2	2	0	2	16
63	820813106310	Rajagopal.A	2	2	2	2	2	2	2	2	2	2	20
64	820812106316	Vigneshwaran. M	2	2	2	2	2	2	2	2	2	2	20
65	820812106702	Muthumani	2	2	2	2	2	2	2	2	2	2	20
TOTAL MARKS			118	122	120	120	126	118	120	126	122	122	1214
Attainment percentage			91%	94%	92%	92%	97%	91%	92%	97%	94%	94%	93%

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


Attainment Level 1: 60% – 69%
Attainment Level 2: 70% – 79%
Attainment Level 3: \geq 80%


Target : 80% (16 Marks)
Total number of participants : 65
Number of participants who got above target : 61
Attainment Percentage : 93.84%

Achieved attainment level is 3. (93%)

PO→ Event ↓	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	PO11	PO12	PSO1	PSO2
Seminar on photonics	2	2	-	-	-	-	-	-	-	-	-	2	-	-


Coordinator
(T.Senthil Kumar)


HoD
(Dr.S.M.Ramesh)

ATTESTED

Dr. S. RAMABALAN, M.E. Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College
Therhi Nagore - 625 011
Nagapattinam (Dt) Tamil Nadu

E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

Seminar on Photonics


(08.02.2017)


ORGANIZED BY

Department of Electronics and Communication Engineering

Activity End Report:

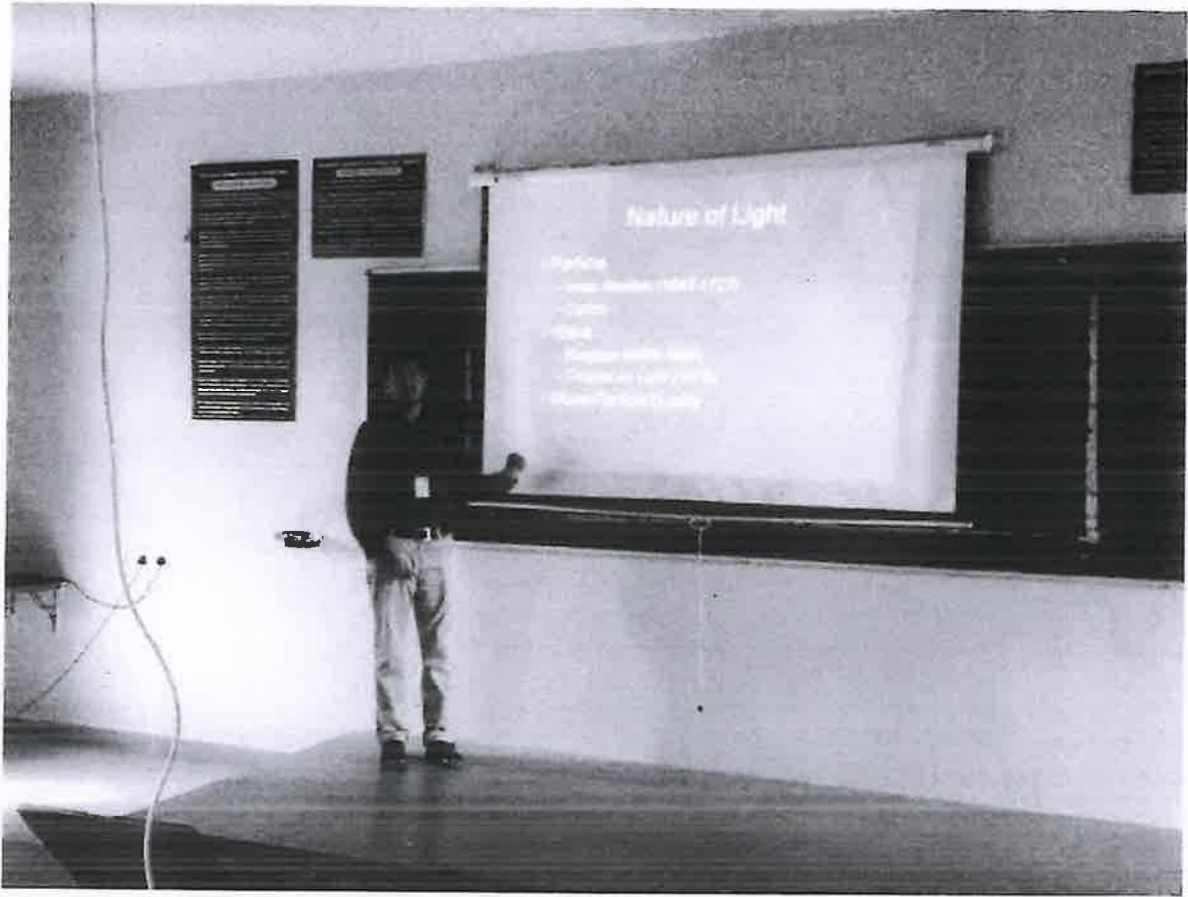
1. Expected attainment level (3) of this activity is achieved.
2. Support of this activity to the relevant POs and PSOs is in the expected level.
3. From the student's feedback, this programme can be conducted for upcoming batch students.


Coordinator's
(T.Senthil Kumar)


HoD
(Dr.S.M.RAMESH)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thefti, Nagore - 611-002.
Nagapattinam (Dt) Tamil Nadu.

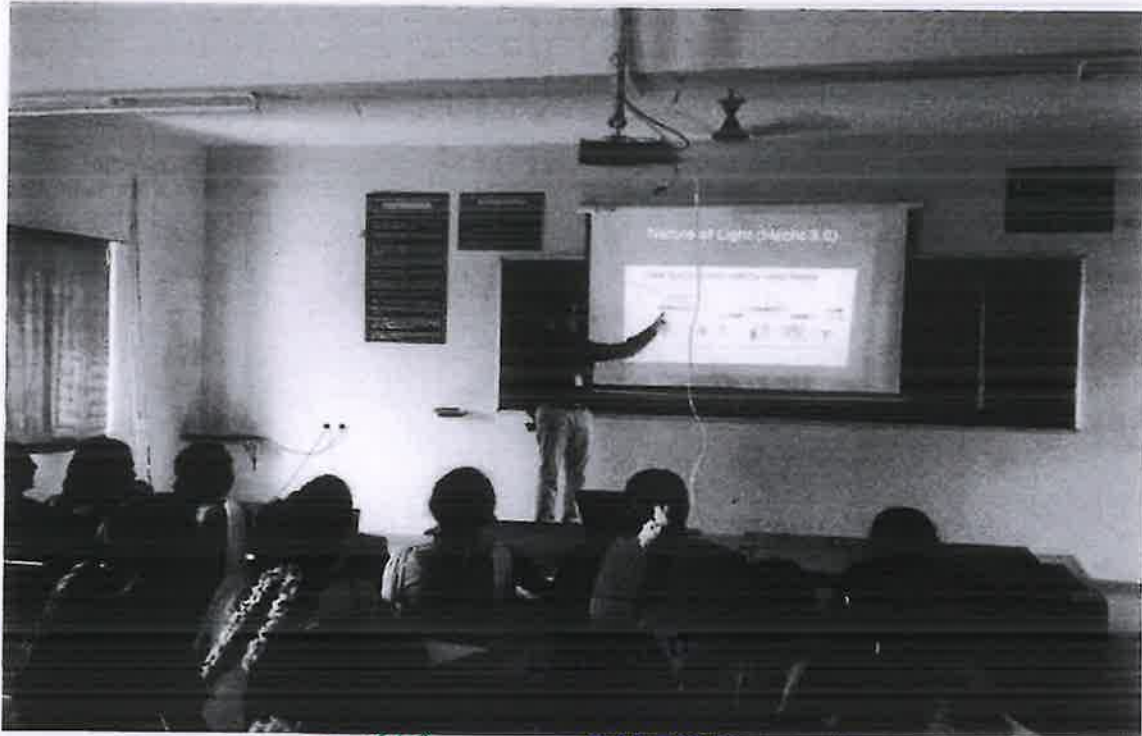


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[Signature]
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E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
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E.G.S.PILLAY ENGINEERING COLLEGE – NAGAPATTINAM
DEPARTMENT OF ECE
SEMINAR ON PHOTONICS

Year & Semester: IV & VIII Semester ECE

Date : 08.02.2017



[Handwritten Signature]
Dr. S. RAMABALAN,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.

ATTESTED

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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

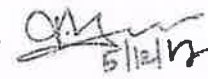

Respected sir,

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

Date: 05.12.2017

Place: Nagapattinam.

Forwarded to PBL
12/12/17

J. Ramani

Kindly forward to the Secretary

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Nagore - 611 002,
Nagapattinam (Dt).Tamil Nadu.

12/12/17

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 (1500*5=7500)	:Rs 7,500.00
Memento and shawl	:Rs <u>500.00</u>
Total	:Rs <u>50,300.00</u>

ATTESTED


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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611
Nagapattinam (Dt) Tamil Nadu

HEAD OF THE DEPARTMENT
Department of Electronics and Communication Engineering
E.G.S. Pillay Engineering College
Nagapattinam - 611

SCHEDULE:

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	

ATTESTED

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

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

PRINCIPAL

**E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.**

Nagapattinam (Dt) Tamil Nadu.



Make It Better

VEDHA TECHNOLOGIES

Software Development and Training Company

ONE WEEK SHORT TERM COURSE
ON
PCB DESIGN AND CIRCUITS




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


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

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

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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


5/12/19
HEAD OF THE DEPARTMENT
Dept. of Electronics & Communication Engg.
E.G.S Pillay Engineering College,
Nagapattinam - 611 002.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



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

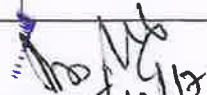
1	820816106001	ABDUL HAMEED· MARAICAR.B	41	820816106305	GOUSALYA.G
2	820816106002	ABINESH.M	42	820816106307	KARTHIKEYAN.M
3	820816106003	ABIRAMI.G	43	820816106308	LAVANYA.J
4	820816106004	ABIRAMI.S	44	820816106309	PADMA SRINIVASAN.S
5	820816106005	ABITHA.N	45	820816106311	PRAVIN.M
6	820816106006	AISHWARYA.J	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	ARTHIA			
15	820816106015	ARTHIE			
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	MAHALAKSHMIS			
40	820816106302	ANBARASAN.V			


CLASS COORDINATOR

ATTESTED

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

E.G.S. Pillay Engineering College
Thethi, Nānore - 611
Nagapattinam (Dt) Tan


HOD 5/12/17

**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



ATTESTED


**Dr. S. RAMABALAN M.E., Ph.D.,
PRINCIPAL**
E.G.S. Pillay Engineering College,
Thethi, Nagapattinam - 611 002.
Nagapattinam (Tamil Nadu).

E.G.S.PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE ON "PCB DESIGN AND CIRCUITS"

CLASS: IIECE - A

DATE: 11.12.17 to 15.12.17

ATTENDANCE SHEET

SNO	REGISTER NUMBER	NAME	11.12.17		12.12.17		13.12.17		14.12.17		15.12.17	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	820816106001	ABDUL HAMEED MARAICAR.B	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
2	820816106002	ABINESH.M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
3	820816106003	ABIRAMI.G	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
4	820816106004	ABIRAMI.S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
5	820816106005	ABITHA.N	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
6	820816106006	AISHWARYA.J	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
7	820816106007	AJEETHA.B	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
8	820816106008	AKASH.M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
9	820816106009	AKILAN.A	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
10	820816106010	AMARNATH.A	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
11	820816106011	ANU.S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
12	820816106012	ANUSHA.S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
13	820816106013	ANUSUYA.M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
14	820816106014	ARTHA	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
15	820816106015	ARTHIE	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
16	820816106016	ARUL.H	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
17	820816106017	ARUL FRANKLIN.A	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
18	820816106018	BALAGANESH.A	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
19	820816106019	BALASRI.R	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
20	820816106020	BAVATHARAN.I.G	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
21	820816106021	CHANDRU.K	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
22	820816106022	CHOLARAJAN.P	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

ATTESTED
 Dr. S. RAMABALASUBRAMANIAM
 PRINCIPAL
 E.G.S. Pillay Engineering College
 Thethi, Nagore - 621 017
 Nagapattinam (Dist) Thanjavur

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.

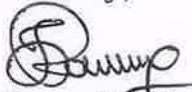
I Kindly request you to provide generator arrangements and electrician support for value added course on “PCB circuit design with mini Projects” from 11-12-2017 to 16-12-2017 for second year ECE ‘A’ students in devices Lab .

Thanking you,

Date: 09.12.17

Place: Nagapattinam

Yours truly,


[L.Ramachandran]


09/12/17

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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. DW/16-12-17.	Phone No	7402189285

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.

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	amay27027@gmail.com
SIGNATURE with Date	A. Amay 19/12/17	Phone No	9790509178

ATTESTED

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

PRINCIPAL

E.G.S. Pillay Engineering College,

Thethi, Nagore - 611 002.

Nagapattinam (Dt) Tamil Nadu.

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
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 faculty


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

more classes for this program to be encourage our knowledge

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	<u>N. Abitha</u> / 16/12/2017	Phone No	8760485716

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.

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

ATTESTED

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

E.G.S Pillay Engineering College,
Nagore - 611 002

(Dt) Tamil Nadu

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

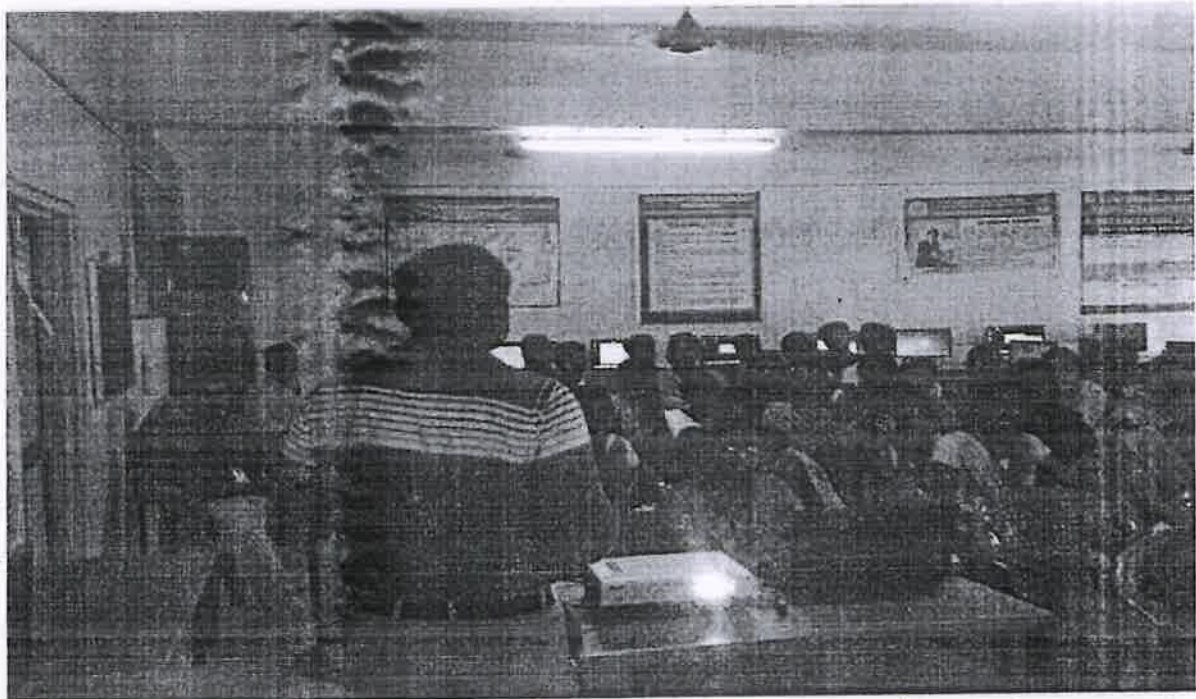
NAME	K.S. Koethana	E-mail ID	Koethana12@gmail.com
SIGNATURE with Date	16.12.2017	Phone No	8973990210

ATTESTED

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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002
Nagapattinam (Dt) Tamil Nadu.

VALUE ADDED COURSE - THEORY SESSION

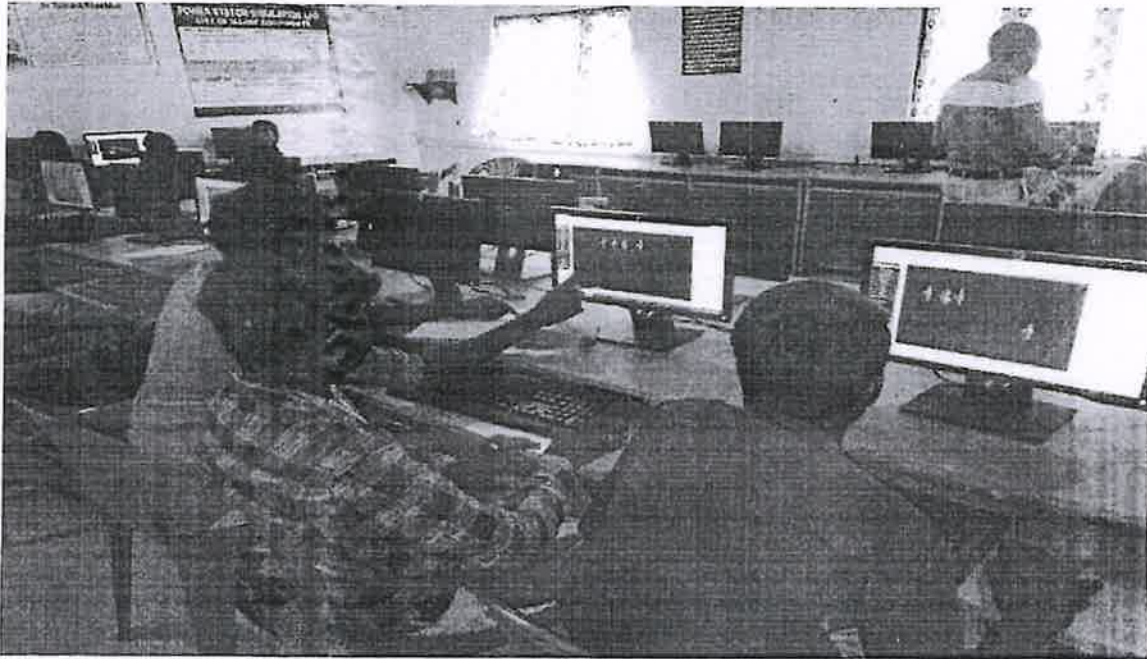


ATTESTED

[Handwritten Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINC.

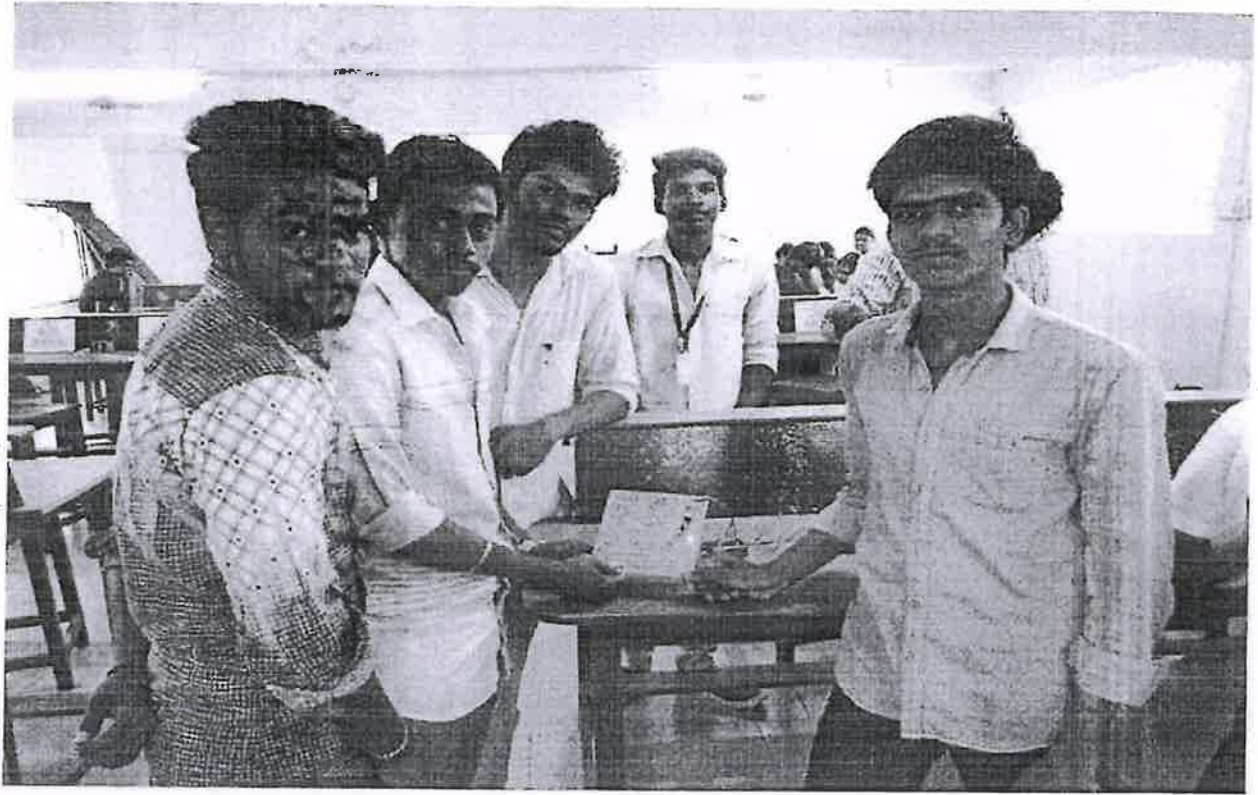
E.G.S. Pillay Eng
Thethi, Nag
Nagapattinam.

VALUE ADDED COURSE HANDS ON TRAINING



ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



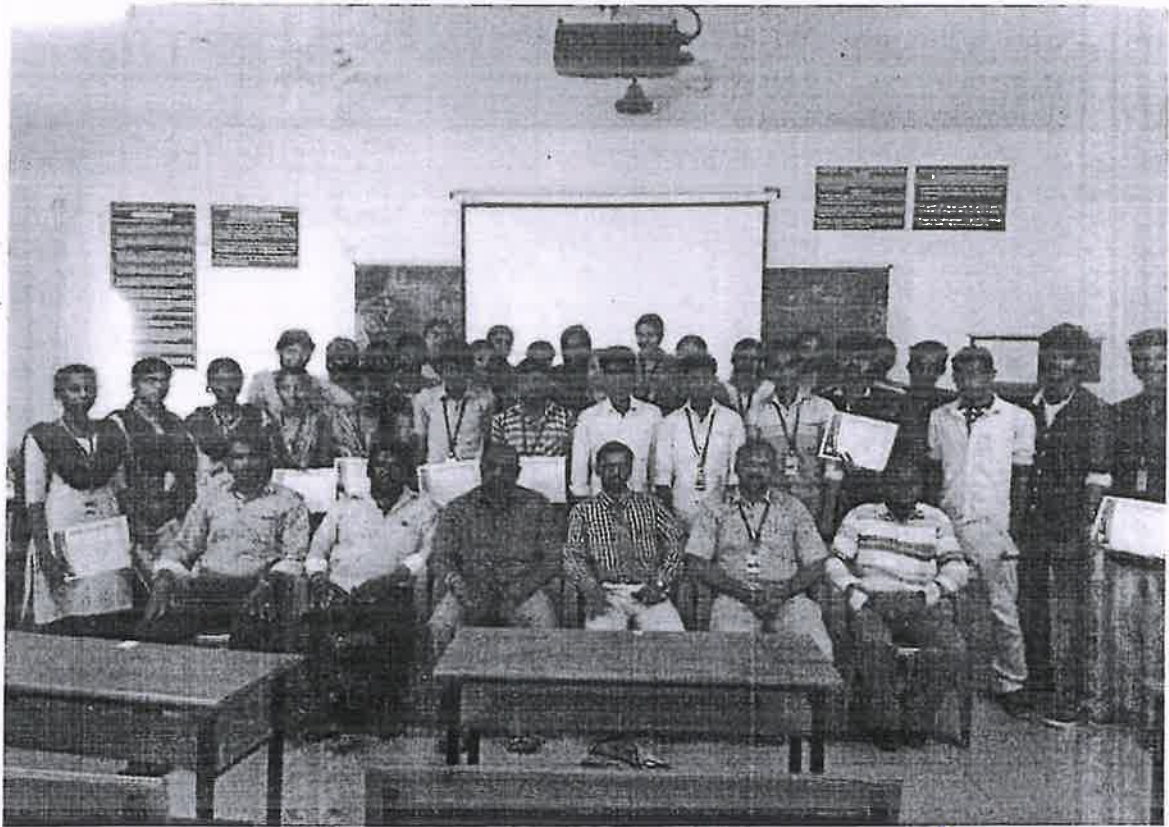
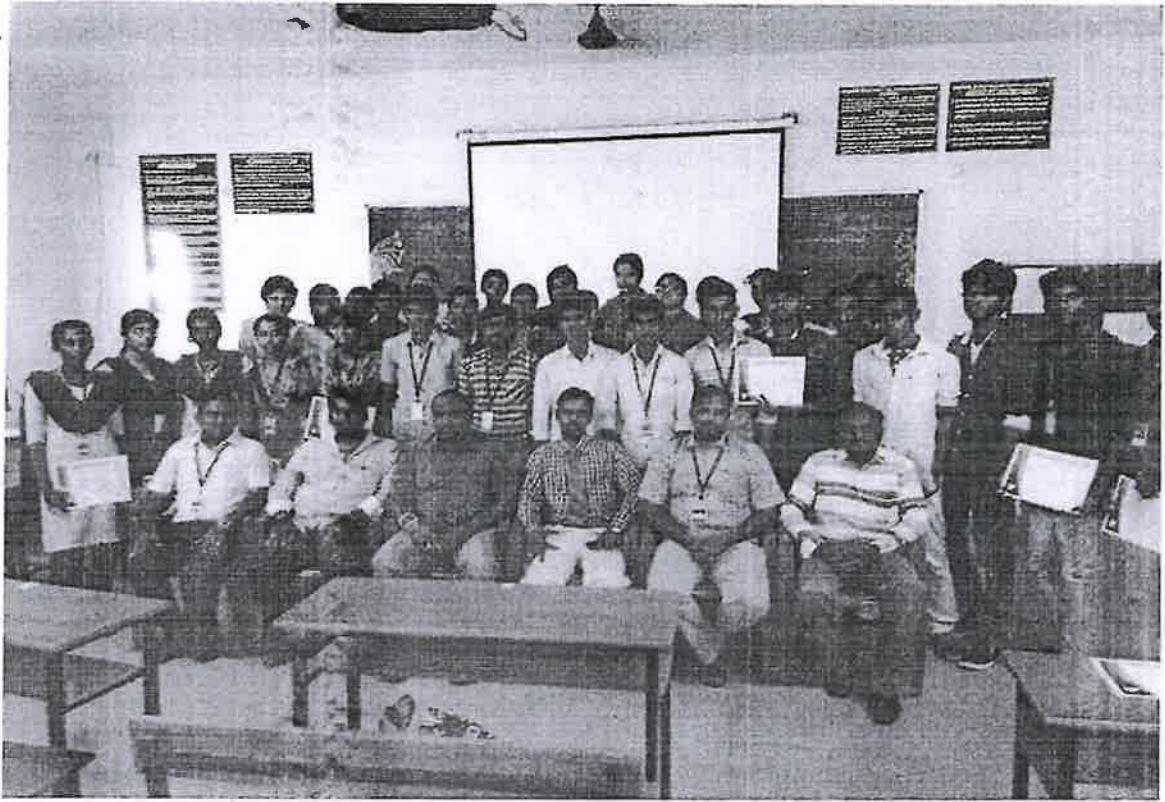
VALUE ADDED COURSE - CERTIFICATE DISTRIBUTION



ATTESTED

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

**E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.**



ATTESTED
[Signature]
Dr. S. RAMABALAK, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College
Thethi, Nagure - 611 002
Nagapattinam (D) Tamil Nadu.

[Vertical text, possibly a date or reference number]

**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.)**



E.G.S. PILLAY ENGINEERING COLLEGE
(Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Electronics and Communication Engineering

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)

ATTESTED

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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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,

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagapattinam - 614 002,
Nagapattinam (Dt) Tamil Nadu.


(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

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thettai, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu

11.12.2017

From

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

To

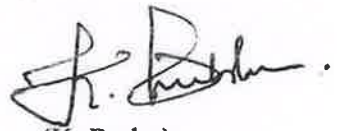
Dr. S.M.Ramesh,
Head of the department,
Department of ECE,
E.G.S. Pillay Engineering College,
Nagapattinam.

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.

ATTESTED



Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Themi, Nagore - 611 002.
Nagapattinam (TN) Tamil Nadu.

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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nadore - 611 002.
Nagapattinam (T) Tamil Nadu.


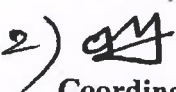



E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
Department of Electronics and Communication Engineering

Date: 05.12.2017

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)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

**E.G.S. PILLAY ENGINEERING COLLEGE,
NAGAPATTINAM – 611 002**



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)**

ATTESTED

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

E.G.S. Pillay Engineering College,

Themi Nandre - 611 002.

Nagapattinam (Dt) Tamil Nadu.

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
- National Anthem

ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
: Mr. T. Senthil Kumar, AP - ECE

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

you are
Cordially invited





E.G.S. PILLAY ENGINEERING COLLEGE
(Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Electronics and Communication Engineering

**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.

1)

Program Co-ordinators

1. L. Ramachandran
2. T. Senthil Kumar

HOD/ECE

(Dr.S.M.Ramesh)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



E.G.S. PILLAY ENGINEERING COLLEGE
(Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Electronics and Communication Engineering

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

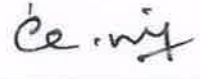
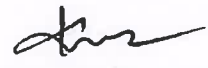



HOD/ECE


(Dr.S.M.Ramesh)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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	

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam, Tamil Nadu.

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

1)

2)

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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
T. Nagar, Madurai - 625 002.
Nagapattinam (Dt) Tamil Nadu.

HoD
(Dr. S.M.Ramesh)

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



ORGANIZED


Value Added Course
on
“Digital Signal and Digital Image Processing”

PARTICIPATION NAME LIST


S.NO	NAME OF THE PARTICIPANT	INSTITUTION NAME
820814106001	AARTHLA	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.
820814106004	AGALYA R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106005	AHALYA G	E.G.S. Pillay Engg. College, Nagapattinam.
820814106006	AKILA.R	E.G.S. Pillay Engg. College, Nagapattinam.
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820814106016	ASLAM ARSATH J	E.G.S. Pillay Engg. College, Nagapattinam.
820814106017	BAVITHA N	E.G.S. Pillay Engg. College, Nagapattinam.
820814106018	DHARANYA J	E.G.S. Pillay Engg. College, Nagapattinam.
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.

ATTESTED
DR. S. RAMARAJAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, 611 002,
Nagapattinam (Tamil Nadu)


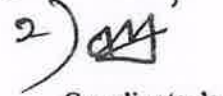
820814106022	DURGADEVI J	E.G.S. Pillay Engg. College, Nagapattinam.
820814106023	DURGADEVLS	E.G.S. Pillay Engg. College, Nagapattinam.
820814106024	ELAVARASAN E	E.G.S. Pillay Engg. College, Nagapattinam.
820814106025	ELAVARASI .M	E.G.S. Pillay Engg. College, Nagapattinam.
820814106026	FATHIMA FARVIN.A	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.
820814106029	KALAIVANI P	E.G.S. Pillay Engg. College, Nagapattinam.
820814106030	KALKIYA.R	E.G.S. Pillay Engg. College, Nagapattinam.
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.
820814106036	KIRUTHIKA.N	E.G.S. Pillay Engg. College, Nagapattinam.
820814106037	KIRUTHIKA S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106038	KOWSALYA K	E.G.S. Pillay Engg. College, Nagapattinam.
820814106039	MADHAVAN M	E.G.S. Pillay Engg. College, Nagapattinam.
820814106040	MADHAVI B	E.G.S. Pillay Engg. College, Nagapattinam.
820814106041	MANIBHARATHI.K	E.G.S. Pillay Engg. College, Nagapattinam.
820814106042	MANIKANDAN S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106043	MANIMEHALAI G	E.G.S. Pillay Engg. College, Nagapattinam.
820814106044	MANIMOZHI R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106045	MANISHAMALINI S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106046	MEENA S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106047	MEENAKSHI R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106049	MOHAMED SYED ALI.S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106050	NAFILA SHAFREEN N	E.G.S. Pillay Engg. College, Nagapattinam.
820814106051	NIVETHA R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106052	PANDEESHWARI K	E.G.S. Pillay Engg. College, Nagapattinam.

ATTESTED

DR. S. RAMASUBRAMANIAN, M.E., Ph.D.
 PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thiruv. No. 10-611 002.
 Nagapattinam (Dt) Tamil Nadu.

820814106053	PAVITHRA M	E.G.S. Pillay Engg. College, Nagapattinam.
820814106054	PAVITHRA S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106055	PRABHAVATHY B	E.G.S. Pillay Engg. College, Nagapattinam.
820814106056	PRAKASH S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106057	PRIYA R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106058	PRIYA DHARSHINI K	E.G.S. Pillay Engg. College, Nagapattinam.
820814106059	PRIYANGA GANDI M	E.G.S. Pillay Engg. College, Nagapattinam.
820814106060	PRIYANKA A	E.G.S. Pillay Engg. College, Nagapattinam.
820814106061	PUNITHA P	E.G.S. Pillay Engg. College, Nagapattinam.
820814106063	RAGU R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106064	RAJALAKSHMI M	E.G.S. Pillay Engg. College, Nagapattinam.
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.
820814106073	SARAVANAN R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106074	SATHIYAN P	E.G.S. Pillay Engg. College, Nagapattinam.
820814106075	SEETHALADEVI R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106076	SELVAPRIYA G	E.G.S. Pillay Engg. College, Nagapattinam.
820814106077	SHAMILI K	E.G.S. Pillay Engg. College, Nagapattinam.
820814106078	SHANTHOSH SHREE K K	E.G.S. Pillay Engg. College, Nagapattinam.
820814106079	SINDHU LAKSHMI K	E.G.S. Pillay Engg. College, Nagapattinam.
820814106080	SINTHANA S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106081	SIVABHARATHI M	E.G.S. Pillay Engg. College, Nagapattinam.
820814106082	SIVARAJA S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106083	SIVASANKARI S	E.G.S. Pillay Engg. College, Nagapattinam.

ATTESTED

DR. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thefti, Nagore - 615002
Nagapattinam (Dt) Tamil Nadu.

820814106084	SIVASRI S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106085	SOWMIYA P	E.G.S. Pillay Engg. College, Nagapattinam.
820814106086	SOWMYA R	E.G.S. Pillay Engg. College, Nagapattinam.
820814106087	STALIN A	E.G.S. Pillay Engg. College, Nagapattinam.
820814106088	SUKUMAR S	E.G.S. Pillay Engg. College, Nagapattinam.
820814106090	SUSHMASANKARI M	E.G.S. Pillay Engg. College, Nagapattinam.
820814106091	SWATHI K	E.G.S. Pillay Engg. College, Nagapattinam.
820814106092	TAMILZHARASI M	E.G.S. Pillay Engg. College, Nagapattinam.
820814106094	VEERA ARUN P	E.G.S. Pillay Engg. College, Nagapattinam.
820814106095	VIJAYASRI B	E.G.S. Pillay Engg. College, Nagapattinam.
820814106096	VINITH R	E.G.S. Pillay Engg. College, Nagapattinam.
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)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thetir, Nagore - 611 002.
Nagapattinam (Dist) Tamil Nadu.

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”
19/12/2017-23/12/2017

Reg. NO	NAME OF THE PARTICIPANT	INSTITUTION NAME	SIGNATURE
820814106001	AARTHI.A	E.G.S. Pillay Engg. College, Nagapattinam.	Aarthi.A
820814106002	ABINAYA M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Abinaya
820814106003	AGALYA M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Agalya
820814106004	AGALYA R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Agalya
820814106005	AHALYA.G	E.G.S. Pillay Engg. College, Nagapattinam.	G. Ahalya
820814106006	AKILA.R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Akila
820814106007	AKILANDESWARI.R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Akilandeswari
820814106008	ALEXANDAR U	E.G.S. Pillay Engg. College, Nagapattinam.	U. Alexander
820814106009	ALEXANDER C	E.G.S. Pillay Engg. College, Nagapattinam.	C. Alexander
820814106010	ANITHA C	E.G.S. Pillay Engg. College, Nagapattinam.	C. Anitha
820814106012	ARAVINTHAN G	E.G.S. Pillay Engg. College, Nagapattinam.	G. Aravithan
820814106013	ARCHANA A	E.G.S. Pillay Engg. College, Nagapattinam.	A. Archana
820814106014	ARIVANANTHAM R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Arivanantham
820814106015	ARUNRAJ V	E.G.S. Pillay Engg. College, Nagapattinam.	V. Arunraj
820814106016	ASLAM ARSATH J	E.G.S. Pillay Engg. College, Nagapattinam.	J. Aslam
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ATTESTED

Dr. S. RAMARAJ
 Head of the Department
 E.G.S. Pillay Engineering College,
 Thiruv. Nagar. - 611 002,
 Nagapattinam (Uyirandi Nagar).

820814106021	DURAIMURUGAN J	E.G.S. Pillay Engg. College, Nagapattinam.	J. Duraimurugan
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820814106023	DURGADEVI S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Durgadevi
820814106024	ELAVARASAN E	E.G.S. Pillay Engg. College, Nagapattinam.	E. Elavarasan
820814106025	ELAVARASI M	E.G.S. Pillay Engg. College, Nagapattinam.	M. Elavarasi
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820814106051	NIVETHA R	E.G.S. Pillay Engg. College, Nagapattinam.	R. Nivetha

ATTESTED

DR. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College
 Truchi, Nagore - 611 002.
 Nagapattinam (DT) Tamil Nadu.

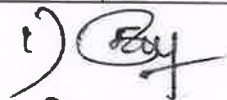

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Dr. S. RAMARAJU

E.G.S. Pillay Engg. College,
Nagapattinam (Tamil Nadu).

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820814106084	SIVASRI S	E.G.S. Pillay Engg. College, Nagapattinam.	S. Sivasri
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1) 
2) 

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


HoD
(Dr. S.M.Ramesh)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dist) Tamil Nadu.

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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/-

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.



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DIGITAL SIGNAL AND DIGITAL IMAGE PROCESSING
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CERTIFICATE

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of _____ has attended Five days Value Added Course on
"Digital Signal and Digital Image Processing" from 19th December, 2017 to
23rd December, 2017 organized by Department of Electronics and Communication Engineering,
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Dr. S. RAMABALAN, M.E., Ph.D.,

PRINCIPAL

E.G.S. Pillay Engineering College,

Thethi, Nagore - 611 002.

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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

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Dr. S. RAMARAJAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 617 002.
Nagapattinam (Dt) Tamil Nadu.

Different types of signals and images (1)

- Continuous or Discrete index.
- Continuous or Quantized values.
- Finite energy, finite power, etc.

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

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



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.

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Dr. S. RAMARATHAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Theridh Nagar - 611 002,
Nagapattinam (Dist. Tamil Nadu)

... and in Fourier space :

- Fourier transform :
$$\begin{cases} X(f) = \int_{-\infty}^{+\infty} x(t)e^{-2j\pi ft} dt \\ x(t) = \int_{-\infty}^{+\infty} X(f)e^{2j\pi ft} df \end{cases}$$
- Parseval :
$$\int_{-\infty}^{+\infty} |x(t)|^2 dt = \int_{-\infty}^{+\infty} |X(f)|^2 df$$
- Localization :
$$m_f = \frac{1}{E} \int_{-\infty}^{+\infty} f |X(f)|^2 df$$
- Spread :
$$\sigma_f^2 = \frac{1}{E} \int_{-\infty}^{+\infty} (f - m_f)^2 |X(f)|^2 df$$
- Heisenberg Uncertainty Principle :
$$\sigma_t \sigma_f \geq \frac{1}{4\pi}$$

A few properties of the Fourier transform

$x(t)$	$X(f)$
$x(at)$	$\frac{1}{ a } X(f/ a)$
$ax(t) + by(t)$	$aX(f) + bY(f)$
$x(t - t_0)$	$X(f) \exp(-2j\pi f t_0)$
$x(t) \exp(2j\pi f t_0)$	$X(f - f_0)$
$x(t) * y(t)$	$X(f)Y(f)$
$x(t)y(t)$	$X(f) * Y(f)$
$d^n x(t)/dt^n$	$(2j\pi f)^n X(f)$
$(-2j\pi t)^n x(t)$	$d^n X(f)/df^n$
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 :

$$x(t) = \text{rect}_T(t) = \mathbb{1}_{(-T/2, T/2)}(t)$$

$$\Rightarrow X(f) = \frac{\sin(\pi f T)}{\pi f} = T \text{sinc}(fT)$$

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

$$\Rightarrow \sum_{k \in \mathbb{Z}} \frac{1}{T} \delta(f - k/T)$$

(Poisson Sommmation Formula)

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

E.G.S. Pillay Engineering College,
Thiruvannamalai - 611 002.
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Linear operators - Filtering

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

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

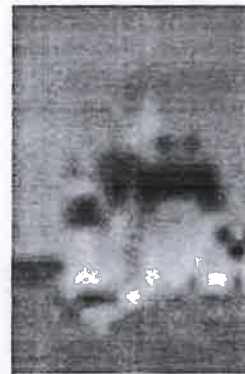
- Harmonic signals are eigenvectors of linear filters :

with $x(t) = \exp(2j\pi f_0 t)$,

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

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

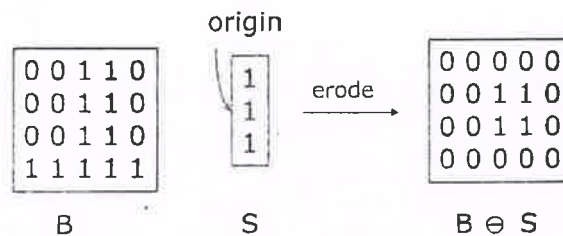


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nadore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

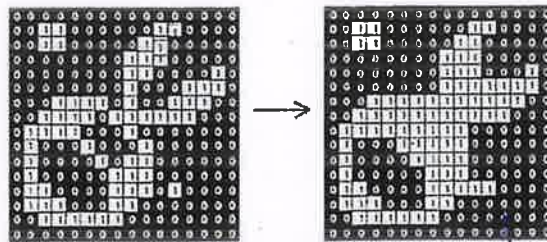
Erosion

- 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.

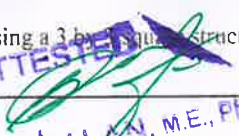


Closing and opening

- 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 smooths the contours of objects, breaks narrow isthmuses and eliminates thin protrusions.



Effect of closing using a 3 by 3 structuring element


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 Dr. S. P. RAMANATHAN, M.E., Ph.D.,
 PRINCIPAL
 ECS Pillai Engineering College,
 Thethy,
 Nagapattinam (U) Tamil Nadu.

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 different classes of images.

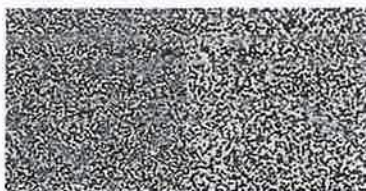


- Gibbs-Markov fields
- New representations of structured image data.

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.

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Dr. S. RAMARAJAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (dist) Tamil Nadu.

Image restoration, noise models, detection, deconvolution

Outline :

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

Thank You

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

E.G.S. Pillay Engineering College,
Thiruv. Nagar - 611 062,
Mudalur Taluk, (Dt) Tamil Nadu.

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 : K. 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
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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

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5 4 3 2 1

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Name: R. Akila.....

Signature: R. Akila.....

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PRINCIPAL
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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
 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	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

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. Meera

Signature: S. Meera

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 PRINCIPAL

E.G.S. Pillay Engineering College,

Nagapattinam (Tamil Nadu).

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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

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Name: R. Priya
 Signature: R. Priya

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Dr. S. RAMABALAN, M.E., Ph.D.,
 PRINCIPAL
 E.G.S. Pillay Engineering College,
 Vengalpet, Nagapattinam - 625 002,
 Nagapattinam, Tamil Nadu

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FIVE DAYS WORKSHOP
on
Digital Signal and Digital Image Processing
(19.12.2017 TO 23.12.2017)



ORGANIZED BY
Department of Electronics and Communication Engineering
E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
(AUTONOMOUS)

(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)

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 content is very good. (Overall Rating 4)
4. Session material is useful. (Overall Rating 3)
5. Refreshment is excellent. (Overall Rating 5)

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College.
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

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PRINCIPAL
E.G.S. Pillay Engineering College,
Nagapattinam (Dt) Tamil Nadu.

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

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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. Rashini

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

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Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

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

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Cherhi, Nagore - 611 002,
Kanyakumari (Dt) Tamil Nadu.

FIVE DAY WORKSHOP

on

Digital Signal and Digital Image Processing

(19.12.2017 to 23.12.2017)



ORGANIZED BY

Department of Electronics and Communication Engineering

E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

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TEST QUESTIONS

Each Question carry one mark

- 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
- 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
- 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
- Enhancement of differences between images is based on the principle of _____
a) Additivity
 b) Homogeneity
c) Subtraction
d) None of the Mentioned
- A commercial use of Image Subtraction is _____
a) Mask mode radiography
b) MRI scan
c) CT scan
 d) None of the Mentioned

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Theethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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



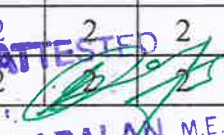
Value Added Course
on
“Digital Signal and Digital Image Processing”

Mapping with POs

PO → Event ↓	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	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

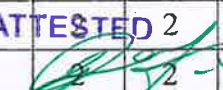

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Nagapattinam - 611 002,
 Tamil Nadu

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	DURGADEVIS	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 ALIS	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	2	2	2	2	2	0	0	2	12
820814106052	PANDEESHWARI K	2	2	2	2	2	2	2	2	2	2	18

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thiruv. Naderu - 611 002.
 Navamuttam (T.N.) Tamil Nadu.

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	2	2	2	2	2	2	16



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

E.G.S. Sairaj Engineering College,
 Trichy - 611 002.
 Tamil Nadu.

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%

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Swathi, Nagore - 611 002,
Tirupatturam (Dt) Tamil Nadu.

Achieved attainment level is 3. (93%)

PO→ Event ↓	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	PO11	PO12	PSO1	PSO2
LABVIEW and its applications in signal processing	3	3	3	2	2	-	-	-	-	-	-	2	3	-

1) 
2) 

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



HoD
(Dr. S.M.Ramesh)

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

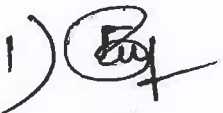




ORGANIZED

Value Added Course on
on
“Digital Signal and Digital Image Processing”

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.

1) 
2) 
Coordinator's
(L. Ramachandran)
(T. Senthil Kumar)


HoD
(Dr. S.M.Ramesh)

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Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

EGSPILLAY ENGINEERING COLLEGE – NAGAPATTINAM

DEPARTMENT OF ECE

Seminar On “*Latest trend in satellite communication*”

DATE:27.01.2018

TABLE OF CONTENT

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2	Circular
3	Seminar Summary
4	Department Vision and Mission
5	Attendance
6	Study material
7	Schedule
8	Feedback form
9	Feedback Analysis Report
10	Attainment Analysis Question
11	Attainment Analysis Report
12	Activity end report
13	Photos

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PRINCIPAL

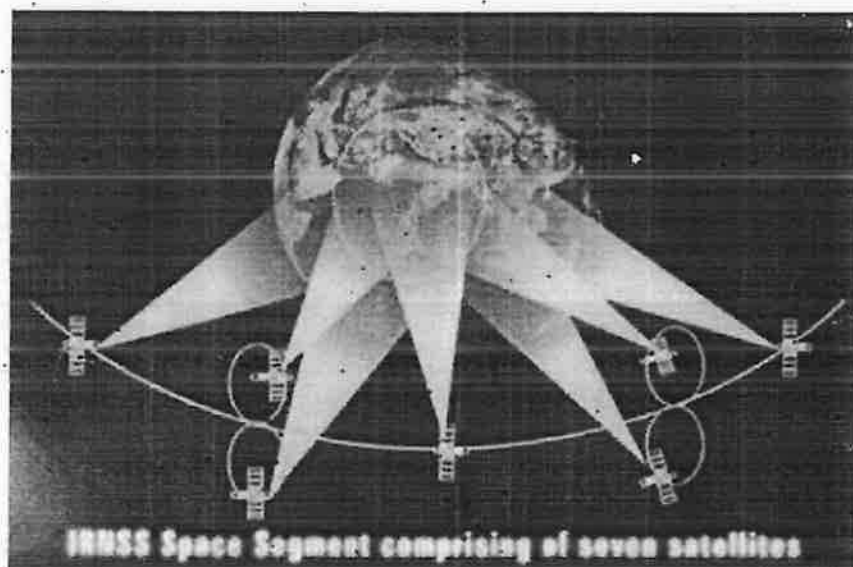
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NAGAPATTINAM, TAMILNADU, INDIA – 611002
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Seminar
On
Latest Trend In Satellite Communication



Date: 27.01.2018
Beneficiaries: Final year ECE

Organized By
Department of Electronics And Communication
Engineering

EGSPILLAY ENGINEERING COLLEGE – NAGAPATTINAM

DEPARTMENT OF ECE

Seminar On

“Latest trend in satellite communication”

DATE:27.01.2018

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1	Invitation
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6	Study material
7	Schedule
8	Feedback form
9	Feedback Analysis Report
10	Impact Analysis Question
11	Impact Analysis Report
12	Photos

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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.


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THE SECRETARY, PRINCIPAL, DEAN, HEADS, FACULTY MEMBERS
& STUDENTS ARE CORDIALLY INVITE YOU TO



ONE DAY TECHNICAL SEMINAR

On

LATEST TREND IN SATELLITE COMMUNICATION

(27.01.2018)

Date: 27/01/2018 @ 10.00AM

Venue: SJB 102

RESOURCE PERSON

S.CHITRA, Asst.Prof,

ECE Department

E.G.S.Pillay engineering college

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.B.Padmanaban, Asst.Prof

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

Organized by

Department of Electronics and
Communication Engineering

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NAGAPATTINAM – 611 002

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CSE and Mech) | Accredited by NAAC with 'A' Grade | Recognized by DSIR | An ISO 9001:2015 Certified
Institution)

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Nagapattinam (Dt) Tamil Nadu.

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

Dt.22.01.2018

CIRCULAR

It is here by informed that Department of ECE is going to organize a Seminar on "Introduction to geo information system" on 27.01.2018 (10.00 am to 12.30 am) by, Mrs.S.Chitra, Assistant Professor, Department of ECE, EGSPEC-Nagapattinam, for Final year ECE Students. All the final year students are instructed to attend the seminar without fail.


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Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

SEMINAR SUMMARY

1. Name of Speaker: Mrs.S.Chitra
2. Degree: M.E.,
3. Speaker Details: Assistant Professor, Department of ECE, EGS pillay engineering college, nagapattinam
4. Date of speaker's presentation: 27/01/18
5. Beneficiary Details: Final year ECE
6. Coordinator: Dr.B.Padmanaban (Prof.HOD.ECE dept, EGSPEC)
7. Title: Latest Trend In Satellite Communication

Mapping of Course Outcomes Vs Program Outcomes

1. Describe the basics of orbit and launching methods in satellite communication
2. Summarize the elements in space segment and earth segment
3. Explain about Recent trend in communication satellite
4. Explain about various communication satellite technology
5. Compare and differentiate various broadcast services utilizing satellite communication

Course outcomes	Programme Outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
5. Compare and differentiate various broadcast services utilizing satellite	X											X


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(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.

Department of Electronics and Communication Engineering

DEPARTMENT VISION

To achieve excellence in electronics and communication engineering by imparting contemporary knowledge and skills to the students and serve as a valuable resource Centre to the industry and the society.

DEPARTMENT MISSION

1. To produce competent Electronics Engineers who can be successful in industry, higher education and entrepreneurship through quality education and training.
2. To maintain state-of-the-art learning facilities, enhance the competence of faculty to a standard and evolve as a centre of excellence through R&D.
3. To develop skilled professionals with academic reliability, good communication, attitude towards lifelong learning, ability to be team player and willing to acquire higher education.
4. To bridge the gap between the industry and academia with expanding collaboration and partnerships with industry through MOUs, projects and consultancy fulfilling the societal needs.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

After successful completion of the programme, Graduates will be able to

PEO 1: have successful professional career in electronics and communication engineering and its relating disciplines or become an entrepreneur or pursue higher education.

PEO 2: Apply the knowledge of electronics and communication engineering to find practical solution to the problems and for doing research.

PEO 3: Complement the class room teaching with seminars, industrial visits, inplant training and industrial projects to develop the communication skill, life long learning attitude, team work capability, ethical, moral values and out of box thinking.

PROGRAMME SPECIFIC OUTCOMES (PSO)

After the successful completion, the graduates will be able to

PSO1: Have additional skills and knowledge to design, develop and implement Micro Electronics applications and Embedded systems.

PSO2: Design systems to solve contemporary issues of modern communication systems, Advanced Networking and High Frequency RF applications.

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E.G.S.Pillay Engineering College, Nagapattinam
Department of Electronics and Communication Engineering

Programme Outcomes

1. **Engineering knowledge:(K3)** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex Electronics and Communication Engineering problems.
2. **Problem analysis:(K4)** Identify, formulate, research literature, and analyze complex engineering problems using basics of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:(K5)** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety and societal considerations.
4. **Conduct investigations of complex problems: (K3,K4,K5)** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage: (K3,K4,K5)** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to solve engineering problems.
6. **The engineer and society:** Apply reasoning to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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10. **Communication:** Communicate effectively and write effective reports and design documentation, make effective presentations in both verbal and written form.
11. **Project management and finance:** Demonstrate knowledge and understanding of the electronics and communication engineering and management principles and apply these as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
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EGS PILLAY ENGINEERING COLLEGE-NAGAPATTINAM
DEPARTMENT OF ECE
SEMINAR ON "Latest Trend in satellite communication"
ATTENDANCE SHEET

Date:27/01/18

SL.NO	REG.NUMBER	STUDENT NAME	SIGNATURE
1	820814106001	AARTHA	A. Arathi
2	820814106002	ABINAYAM	M. Abinaya
3	820814106003	AGALYA M	Agalya M.
4	820814106004	AGALYA R	R. Agalya
5	820814106005	AHALYA.G.	Ahalya G.
6	820814106006	AKILA.R	K. Akila
7	820814106007	AKILANDESWARI.R	Akilandeswari R.
8	820814106008	ALEXANDAR U	U. Alexandar
9	820814106009	ALEXANDER C	C. Alexander
10	820814106010	ANITHA C	Anitha C.
11	820814106012	ARAVINTHAN G	G. Aravintan
12	820814106013	ARCHANA A	Archana A.
13	820814106014	ARIVANANTHAM R	R. Arivanantham
14	820814106015	ARUNRAJ V	V. Arunraj
15	820814106016	ASLAM ARSATH J	J. Aslam Arsath
16	820814106017	BAVITHA N	N. Bavitha
17	820814106018	DHARANYA J	J. Dhanya
18	820814106019	DHINESH A	A. Dhinesh
19	820814106020	DHIVYA.R	R. Dhivya
20	820814106021	DURAIMURUGAN J	J. Duraimurugan
21	820814106022	DURGADEVI J	J. Durgadevi
22	820814106023	DURGADEVIS	S. Durgadevis
23	820814106024	ELAVARASAN E	E. Elavarasan
24	820814106025	ELAVARASI .M	M. Elavarasi
25	820814106026	FATHIMA FARVIN.A	A. Fathima Farvin
26	820814106027	GAYATHIRI R	R. Gayathiri
27	820814106028	GOPPERUNDEVI T	T. Gopperundevi
28	820814106029	KALAIVANI P	P. Kalavani
29	820814106030	KALKIYA.R	R. Kalkiya
30	820814106031	KANAGASUNDARAM M	M. Kanagasundaram
31	820814106032	KARPAHAMBAL S	S. Karpahambal
32	820814106033	KARTHIKA R	R. Karthika
33	820814106034	KEERTHANA R	R. Keerthana
34	820814106035	KIRUTHIKA M	M. Kiruthika
35	820814106036	KIRUTHIKA.N	N. Kiruthika
36	820814106037	KIRUTHIKA.S	S. Kiruthika
37	820814106038	KOWSALYA K	K. Kowsalya
38	820814106039	MADHAVAN M	M. Madhavan
39	820814106040	MADHAVAN B	B. Madhavan

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College;
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

EGS PILLAY ENGINEERING COLLEGE-NAGAPATTINAM
DEPARTMENT OF ECE
SEMINAR ON "Latest Trend in satellite communication"
ATTENDANCE SHEET

Date:27/01/18

40	820814106041	MANIBHARATHI.K	MANIBHARATHI.K
41	820814106042	MANIKANDAN S	Manikandan S
42	820814106043	MANIMEHALAI G	Co1. Manimehalai
43	820814106044	MANIMOZHI R	manimozhi
44	820814106045	MANISHAMALINI S	M. Manisham
45	820814106046	MEENA S	Meena S
46	820814106047	MEENAKSHI R	M. Meenakshi
47	820814106049	MOHAMED SYED ALI.S	S. mohamed ali
48	820814106050	NAFILA SHAFREEN N	N. Nafila
49	820814106051	NIVETHA R	R. Nivetha
50	820814106052	Pandeeshwari K	P. Pandeshwari
51	820814106053	Pavithra M	Pavithra M
52	820814106054	Pavithra S	Pavithra S
53	820814106055	Prabhavathy B	B. Prabhavathy
54	820814106056	Prakash S	Prakash S
55	820814106057	Priya R	P. Priya
56	820814106058	Priya Dharshini K	K. Priyadharshini
57	820814106059	Priyangagandi M	M. Priyanga Gandhi
58	820814106060	Priyanka A	Priyanka A
59	820814106061	Punitha P	P. Punitha
60	820814106063	Ragu R	R. Ragu
61	820814106064	Rajalakshmi M	Rajalakshmi M
62	820814106065	Rakshiha P	P. Rakshiha
63	820814106066	Ranjani R.	Ranjani R.
64	820814106067	Ranjitha R (23.07.97)	Ranjitha R
65	820814106068	Ranjitha R (25.12.96)	Ranjitha R
66	820814106069	Roshini K	Roshini K
67	820814106070	Sandhiya M	M. Sandhiya
68	820814106071	Santhiraleka S	S. Santhiraleka
69	820814106072	Santhiya K	S. Santhiya
70	820814106073	Saravanan R	Saravanan R.
71	820814106074	Sathiyam P	P. Sathiyam
72	820814106075	Seethaladevi R	R. Seethaladevi
73	820814106076	SelvaPriya G	G. Selvapriya
74	820814106077	Shamili K	Shamili K
75	820814106078	ShanthoshShree KK	Shanthoshshree KK
76	820814106079	Sindhu Lakshmi K	K. Sindhu Lakshmi
77	820814106080	Sinthana S	S. Sinthana
78	820814106081	SivaBharathi M	M. Sivabharathi
79	820814106082	Sivara M	M. Sivara

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

E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002,
 Nagapattinam (DT) Tamil Nadu.

EGS PILLAY ENGINEERING COLLEGE-NAGAPATTINAM
DEPARTMENT OF ECE
SEMINAR ON "Latest Trend in satellite communication"
ATTENDANCE SHEET

Date:27/01/18

80	820814106083	SivaSankari S	Sivasankari S
81	820814106084	SivaSri S	S. SivaSri
82	820814106085	Sowmiya P	Sowmiya P
83	820814106086	Sowmya R	R. Sowmya
84	820814106087	Stalin A	stalin. A
85	820814106088	Sukumar S	Sukumar S
86	820814106090	SushmaSankari M	M. SushmaSankari
87	820814106091	Swathi K	K. Swathi
88	820814106092	Tamilzharasi M	Tamilzharasi M
89	820814106094	Veera Arun P	Veera Arun P
90	820814106095	Vijayasri B	Vijayasri B
91	820814106096	Vinith R	Vinith R
92	820814106097	Vinothini M	Vinothini M
93	820814106098	Yuvarani S	S. Yuvarani
94	820814106301	Kanimozhi. M	M. Kanimozhi
95	820814106302	Malathi. N	Malathi. N
96	820814106303	Mohamed Farhan	Mohamed Farhan
97	820814106304	Pongangadharan. M	Pongangadharan. M
98	820814106305	Praveen. A	A. Praveen
99	820814106306	Sarathchandran. V	V. Sarathchandran
100	820814106307	Srinivasan. K	K. Srinivasan
101	820814106308	Vignesh. D	D. Vignesh


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E.G.S.PILLAY ENGINEERING COLLEGE-NAGAPATTINAM
ECE DEPARTMENT,
STUDY MATERIAL

SATELLITE COMMUNICATION

- Satellite communication , in telecommunications, is use of artificial satellites to provide communication links between various points on earth.
- Approximately 2000 artificial satellites orbiting earth relay analog and digital signals carrying voice, video and data to and from various locations worldwide.

SATELLITE COMMUNICATION

- There are large applications of satellite communications like for earth observation , weather forecast , military applications , TV broadcasting etc.
- Different service providers provide these services.
- ITU (International Telecommunication Union) , a specialized agency of UN, based in Geneva , Switzerland receives and approves applications for use of orbital slots for satellites.

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PRINCIPAL

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Nagapattinam (Dt) Tamil Nadu.

INTRODUCTION

- Satellites operate in three orbits-
 - Low Earth Orbit (160-1600 km)
 - Medium earth Orbit(10000-20000 km)
 - Geostationary Earth Orbit (35786 km)
- Satellite launch providers use rockets to launch rockets from sites such as Kennedy Space center at cape Canaveral , Florida , the Baikonur Cosmodrome in Kazakhstan , Kourou in French Guiana, Vandenberg Air Force Base in California, Xichang in China and Tanegashima Island in Japan and US Space shuttle.

SATELLITE COMMUNICATION IN INDIA

- India has launched 76 Indian satellites since 1975.
- Satellites have been launched from various vehicles including ISRO , and previously from American , Russian , European satellite launch rockets and US space shuttle.
- ISRO is responsible for Indian Satellites.
- The other organization which launches satellites is **Dhruva Space , TRANSPACE Technologies And Xovian.**

ATTESIED


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

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Thethi, Nagere - 611,002.
Tamil Nadu.

SATELLITE COMMUNICATION IN INDIA



TRANSPACE TECHNOLOGIES

- o Transpace technologies is a well established company based in Bangalore with indispensable experience in the field of Space, Defence and Aerospace.
- o It usually manufacture on-board satellite systems and perform fabrication , testing and reliability analysis.

ATTESTED

[Handwritten Signature]
**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

**E.G.S. Pillay Engineering College,
Thiethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.**

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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



**A REPORT ON NATIONAL LEVEL TECHNICAL SYMPOSIUM
(YANTRAA-2k18)
(17. 02. 2018)**



ATTESTED

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

**E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.**

VENUE: SJB and EGSPAUDITORIUM



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Department of
Electronics and Communication Engineering
SPectacular Association of Real KnowledgeS (SPARKS)

Proudly presents

YANTRAA-2k18

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Nagapattinam (Dt) Tamil Nadu.


Coordinator


HoD

**A REPORT ON NATIONAL LEVEL TECHNICAL SYMPOSIUM
(YANTRAA2k18)
(17. 02. 2018)**

Students of final year requested our head of the department Mrs. RS. Koteeshwari mam for conducting National Level technical Symposium "YANTRAA-2k18" which was organized by SPARKS(Spectacular Association of Real KnowledgeS), in our E.G.S.Pillay Engineering College (Autonomous), Nagapattinam. I consulted with our Secretary, Principal and Academic Director and finally got permission for conducting our National Level technical Symposium.

That she decided to conduct meeting among the faculty members of our department for taking some decision about the symposium and selected a suitable date to conduct symposium. That is on 17th February, after consulting all the faculty members, they have chosen Mr. S. Senthilkumar/AP ECE and Mr. A. Raj/ASP ECE as symposium coordinators. The members for the association were,

Association President:

Mr.J. Duraimurugan, Final Year/ECE-A
Mr.R. Saravanan, Final Year/ECE-B

Vice President:

Mr.V. Devanandham, Third Year/ECE-A
Mr.R. Rajkumar, Third year/ECE-B

Secretary:

Mr.E. Elavarasan, Final Year/ECE-A
Mr.R. Vinith, Final year/ECE-B
Mr.U. Nandakumar, Third year/ECE-A
Mr.V. Tamilarasan, Third year/ECE-B

Joint Secretary:

Mr.V. Neelaveni , Third Year/ECE-A
Ms.A. Rajasri, Third year/ECE-B
Mr.B. AbdulKadar ,Second year/ECE – A
Mr.P. Prakashmoorthy, Second Year/ECE-B

Treasurers:

Ms.N. Kiruthiga , Final Year/ECE-A
Ms.K.K. SanthoshSree, Final Year/ECE-B
Ms.M. Ajithra, Third year/ECE-A
Ms.S.A. Sandhiya, Third year/ECE-B
Mr.A. Amarnath, Second year/ECE-A
Mr.P. Viswa, Second year/ECE-B

Executive Members:

Mr.S. Manikandan, Final Year/ECE-A
Mr.D. Vignesh, Final year/ECE-B
Mr.C. Kalivanan, Third year/ECE-A
Mr.A.Vijay, Third year/ECE-B
Mr.S. Kabillesh, Second year/ECE-A
Mr.J. MohammedThoufiq , Second Year/ECE-B

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

were around 307 students from second, third and final year in our department, enthusiastically participated in the symposium. The amount of Rs.500/- per head was collected.

Association members along with head of association informed every class in our department about the symposium and final year students got the great opportunity to select the name for our one day national level symposium and president informed that they will provide award for the person who is selecting suitable name for our symposium. Finally, Ms. Sindhu Lakshmi and Ms. Pandeeshwari of final year-B students named the symposium as "YANTRAA-2k18".

That, our association members prepared pamphlet and invitation for inviting other institution's students to participate in our fantabulous symposium under the guidance of our association head. We have sent invitations to various Engineering Colleges in and around Tamil Nadu.

6 events were conducted on the day of symposium. Every event has a committee of students around 5 members under the guidance of two faculty member. They were eagerly delivered their efforts for their committee.

S. No	Event Name	Student's Members	Faculty In-charge
1.	Paper revealing	M. Sivaraja (IV) T. Fargan (IV) A. Kamaleswari (III) Devarapuvvasavi (III) S. karpahambal (IV)	Dr.A.Rajaram S.Jim Hawkinson
			Dr.b.Jayachandran RS.Koteeshwari A.Sundar Raj
2.	Circuit Hacking	D. Aboorva (III) M. Ajithra (III) S. Lakshmi (III) A. Mennal (III) M. Amirtheshwary (III)	S. Chitra S.Durgadevi
			R. Deepa R.Mahalakshmi
3.	Technical Brain Teaser	S. Meena (VI) B. Madhavi (VI) J. Dhanalakshimi (III) M. Poongothai (II) A. Pushpa (II) D. Sushek (II) D. Thiruvoli (II)	M. IrshadAhamed S.Parthasarathi
			D. Muthulakshmi A.Prathiba
4.	Project Carnival	M. Kesavan (III) D. Balakrishnan(III) R. Kalkiya (IV)	D. Devarajan A.Dhanasekar
			M. NuthalSrinivasan S.Suganya
5.	Treasure Hunt	V. SarathChandhran (IV) K. Srinivasan (IV) A. Praveen (IV) A. Stephen Raj (II) R. Vishwa (II) A. Stalin (IV)	V. Elavarasi L.Anitha
			S. Dhanalakshmi T.Yazhini
6.	Tech Mime	S. Pavithra (IV) K. Shamili (IV) S. Prakash (IV) S. Akshaya (IV) S. Sivashankari (IV)	C. Mathuvanesan
			L. Ramachandran ATTESTED Dr. S. RAMABALAN, M.E., Ph.D. PRINCIPAL

Every year of our department took set dresses for symposium. We people planned to release a Magazine, or's data base, newsletter about our department. These works were completed by the respected com

E.G.S. Pillay Engineering College,
Tiruthi, Nagore - 611 002.
Nagapattinam (D) District

HoD along with association head and student's president went to invite our institutional heads Secretary, Principal, Academic director, Controller of Examination and all the departments, Library, Transport etc. for joining us in our wonderful occasion. The chief guest for our symposium is Mr. L. Arumugam, M.Tech., who is General Manager (O&M, OIT) and Mr. D. Selvakumar, M.Tech., who is a chief manager (O&M) both of them from every basin GAIL India Ltd, Karaikkal.

Papers were received through mail from various Engineering colleges and confirmed the selected list for presentation is completely done through mail. Totally, 30 papers were selected for presentation. Banners were prepared by students with the guidelines of faculty members. Before two days of symposium, each and every committee were completed their work and rehearsal were also done along with their faculty in-charge.

For food, Non-veg is arranged from Chennai fast food, karaikkal and vegetarian is arranged from Ravana Bhavan, nagapattinam. Snacks like cakes and ice cream were ordered in Uma food corner.

Before the day of symposium, the decoration committee started their work and at the same time registration committee did the file work. Evening time, they started to put rangoli for our symposium with flowers in a colorful manner.

On the day of symposium, all were arranged correctly and we started the program at 09.30 AM. Our HoD, association head and members received our chief guest to the SJB 103, where the inaugural function was held. Registration committee has provided the content and form to the students from various institutions to participate in the events.

The function had started with prayer song "Tamizhthavazhthal" as a tribute to goddess saraswathi, five face "kuthuvizhaku" lighting has been done by our chief guest along with Principal, our HoD, Controller of Examinations and one from participant. Next opening and welcome speech given by Mr. S.Senthilkumar, Assistant professor/ Symposium Coordinator.

After that, a brief introduction about our "YANTRAA-2k18" has been delivered by our HoD. Our Symposium coordinator honored our chief guest with shawl and our HoD presented memento to the chief guest. Finally, student president honored the chief guest by giving shield. This program has been hosted by final year students. Chief guest introduction has been given by Mr. M. Saravanan of final year.

A special key note address was given by our chief guest Mr. L. Arumugam and not only that he had shared his experience as an engineer. After that, a great time we found to release our magazine, newsletter, blood donor's list in a great manner.

After a break of 10min, our "YANTRAA-2k18-TEASER" has been released which was prepared by Mr. Elavarasi and Mr. Manibarathi of final year and Mr.Gopinath of third year.

Next, an event of paper presentation and Project carnival were started at 10.30AM. At 12.30 PM Circuit Hack, Technical Brain Teaser and Treasure Hunt were started parallelly. 1.15PM a meal in a packed manner has been provided in a hall. After the meal, we started the function at 2.30PM. An event of Technical Mime in the auditorium. After the technical mime snacks were distributed with the break of 20 minutes.

After a short break, around 4.00PM in a valedictory function were started. In that function toppers were awarded with medals. Our event winners from various institutions were also awarded with medals. Paper presentation winners got cash and shield as award for their innovative ideas.

Next to the valedictory function, our one day national level symposium has come to an end. Mr. L. Arumugam has delivered by our student president. Our symposium "YANTRAA-2k18" ended with national level.

ATTESTED

Dr. S. RAMABHAVAN, M.B. Ph.D.
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS) Nagapattinam-611 002
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
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Department of **Electronics And Communication Engineering**
SPectacular **A**ssociation of **R**eal **K**nowledger**S** (**SPARKS**)

Proudly Presents
"YANTRAA-2018"

Vision of the Institution:

Envisioned to transform our institution into a "GLOBAL CENTRE OF ACADEMIC EXCELLENCE"

Mission of the Institution:

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

Vision and Mission of the Department

Vision

To achieve excellence in electronics and communication engineering by imparting contemporary knowledge and skills to the students and serve as a valuable resource Centre to the industry and the society.

Mission

1. To produce competent Electronics Engineers who can be successful in industry, higher education and entrepreneurship through quality education and training.
2. To maintain state-of-the-art learning facilities, enhance the competence of faculty to a standard and evolve as a centre of excellence through R&D.
3. To develop skilled professionals with academic reliability, good communication, attitude towards lifelong learning, ability to be team player and willing to acquire higher education.
4. To bridge the gap between the industry and academia with expanding collaboration and partnerships with industry through MOUs, projects and consultancy fulfilling the societal needs.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

Program Educational Objectives (PEOs)

After successful completion of the programme, Graduates will be able to

PEO 1: Have successful professional career in Electronics and Communication Engineering and its related disciplines or become an entrepreneur or pursue higher education.

PEO 2: Have the knowledge of Electronics and Communication Engineering to find practical solution to the problems and for doing research.

PEO 3: Complement the class room teaching with seminars, industrial visits, inplant training and industrial projects to develop the communication skill, lifelong learning attitude, team work capability, ethical and moral values and out of box thinking.

PROGRAM OUTCOMES (POs):

After the successful completion, Graduates will be able to

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex Electronics and Communication Engineering problems.
2. **Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems using basics of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety and societal considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to solve engineering problems.
6. **The engineer and society:** Apply reasoning to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively and write effective reports and design documentation, make effective presentations in both verbal and written form.

ATTESTED


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

E.G.S. Pillay Engineering College.

11. **Project management and finance:** Demonstrate knowledge and understanding of the electronics and communication engineering and management principles and apply these as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOMES (PSO)

After the successful completion, the graduates will be able to

1. **PSO1:** Have skills and knowledge to design, develop and implement Microelectronics applications and Embedded systems.
2. **PSO2:** Design systems to solve contemporary issues of modern communication systems, High Speed Networking and RF applications.

Mapping of SYMPOSIUM Outcomes Vs Program Outcomes :

Symposium Outcomes	Programme Outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
By arranging this symposium, Students can improve their organizing ability.	M				M				S	S	M	M

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

19. 01. 2018

Nagapattinam

From,

S. Senthilkumar,
ECE department,
EGSPEC,
Nagapattinam.

To,

The principal,
EGSPEC,
Nagapattinam.

Sir,

SUB: Requesting for Symposium permission

We planned to conduct the symposium on 17th February 2018. Please permit us to conduct the symposium on that day.

Thanking you

Your's truly,


19/01/18
(S. Senthilkumar)

Date: 19. 01. 2018

Place: Nagapattinam.


HOD

(RS. Koteeshwari)

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thefti, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



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Department of
Electronics and Communication Engineering
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Proudly presents

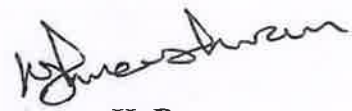
YANTRAA-2k18

Budget Details:

S. No	Description	Approximate Amount (Rs.)
1	Poster to other colleges	5,000/-
2	Reception and Decoration & Stationaries	15,000/-
3	Chief Guest honor	3,000/-
4	Events	25,000/-
5	Food and Snacks	65,000/-
6	Magazine, News Letter, Blood Donor data base, Flux, Newspaper, Certificates & Batches	15,000/-
7	Photo	5,000/-
Total		1,33,000/-


29/10/18
Coordinator


29/10/18
Association In-charge


HoD

ATTESTED


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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.

01. 02. 2018

Nagapattinam

From,

RS. Koteeshwari,
HoD/ECE department,
EGSPEEC,
Nagapattinam.

To,

D. Selvakumar,
Chief Manager (O&M),
Cauvery basin GAIL India Ltd,
Karaikkal.

Sir,

SUB: Chief Guest for Symposium – YANTRAA-2k18 – Reg.

As we are kindly request you as a Chief Guest for our one day national level symposium- YANTRAA-2k18 which is going to be held on 17th February, 2018. We are waiting for your valuable response.

Thanking you

Your's truly,



(RS. Koteeshwari)

Date: 01. 02. 2018

Place: Nagapattinam.

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thefti, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

7

01.02.2018

Nagapattinam

From,

RS. Koteeshwari,
HoD/ECE department,
EGSPEC,
Nagapattinam.

To,

L. Arumugam,
General Manager (O&M, OIT),
Cauvery basin GAIL India Ltd,
Karaikkal.

Sir,

SUB: Chief Guest for Symposium – YANTRAA-2k18 – Reg.

As we are kindly request you as a Chief Guest for our one day national level symposium- YANTRAA-2k18 which is going to be held on 17th February, 2018. We are waiting for your valuable response.

Thanking you

Your's truly,



(RS. Koteeshwari)

Date: 01.02.2018

Place: Nagapattinam.

ATTESTED


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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.,
Nagapattinam (Dt) Tamil Nadu.

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Paper Submission: 14

e: 15. 02. 2k18

Date: 16. 02. 2k18

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E.G.S PILLAY ENGINEERING COLLEGE

(AUTONOMOUS)

NAGAPATTINAM - 611 002

ACCREDITED BY NAAC WITH 'A' GRADE
ACCREDITED BY NBA (CSE, EEE AND MECH)

DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING

National Level Technical Symposium



Date: Feb 17, 2018 Time: 09:30 AM

Venue:

SJ BLOCK - Hall no: 102, EGSPEC Campus.

Chief Guest:

L. ARUMUGAM, M.Tech.,

General Manager (O&M,OIT),

Covery basin GAIL INDIA Ltd.

KARAIKAL

D. SELVAKUMAR, M.Tech.,

Chief Manager (O&M),

Covery basin GAIL INDIA Ltd.

KARAIKAL

Convenor:

Prof. RS. KOTEESHWARI, M.E., (Ph.D)

(Department of ECE)

Co-ordinators:

Dr. A. SUNDAR RAJ, M.E., Ph.D

S. SENTHILKUMAR, M.Tech.,(Ph.D)

Colligates:

Release of a Technical Magazine

Release of a Proceeding Book

Release of News Letter

(SPARKS)-SPECTACULAR ASSOCIATION OF REAL KNOWLEDGE

Invites you

ATTESTED

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

PRINCIPAL

E.G.S. Pillay Engineering College,

Thethi, Nagore

Nagapattinam (Dist. Tiru. Naga.

E.G.S PILLAY ENO

(AUTOC)

(AN ISO 9001:2008)

APPROVED BY AICTE, NEW DELHI

ACCREDITED BY

ACCREDITED BY

Nagapattinam



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DEPARTMENT

ELECTRONICS & COM

ENGINEERING



YANTRA

(A National level T

ATTESTED

Last Date For Paper Submission: 14

Intimation Date: 15. 02. 2k18

Confirmation Date: 16. 02. 2k18

Convener:

R.S. Koteeshwari



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

Nagapattinam-611 002

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

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Department of Electronics and Communication Engineering



SPECTACULAR ASSOCIATION OF REAL KNOWLEDGE'S {SPARKS}

Sponsored

National Level Symposia - YANTRAA-2k18

17.02.2018

List of events with Faculty In-charge (Full responsible for that event including hall arrangements)

S. No	Event Name	Student's Members	Faculty In-charge
1.	Paper revealing	M. Sivaraja (IV) T. Fargan (IV) A. Kamaleswari (III) Devarapuvvasavi (III) S. karpahambal (IV)	Dr.A.Rajaram S.Jim Hawkinson
			Dr.b.Jayachandran RS.Koteeshwari A.Sundar Raj
2.	Circuit Hacking	D. Aboorva (III) M. Ajithra (III) S. Lakshmi (III) A. Mennal (III) M. Amirtheshwary (III)	S. Chitra S.Durgadevi
			R. Deepa R.Mahalakshmi
3.	Technical Brain Teaser	S. Meena (VI) B. Madhavi (VI) J. Dhanalakshimi (III) M. Poongothai (II) A. Pushpa (II) D. Sushek (II) D. Thiruvoli (II)	M. IrshadAhamed S.Parthasarathi
			D. Muthulakshmi A.Prathiba
4.	Project Carnival	M. Kesavan (III) D. Balakrishnan(III) R. Kalkiya (IV)	D. Devarajan A.Dhanasekar
			M. NuthalSrinivasan S.Suganya
5.	Treasure Hunt	V. SarathChandhran (IV) K. Srinivasan (IV) A. Praveen (IV) A. Stephen Raj (II) R. Vishwa (II) A. Stalin (IV)	V. Elavarasi L.Anitha
			S. Dhanalakshmi T.Yazhini
6.	Tech Mime	S. Pavithra (IV) K. Shamili (IV) S. Prakash (IV) S. Akshaya (IV) S. Sivashankari (IV)	C. Mathuvanesan
			ATTESTED L. Ramachandran

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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

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NAAC "A" Grade)

Department of Electronics and Communication Engineering



Spectacular Association of Real knowledge's {SPARKS}

Sponsored

National Level Symposia – YANTRAA-2k18

17.02.2018

List of Committee and Responsibility

No	Name of the Committee	Student's Members	Committee Representative	Responsibilities
1	Communication with other Colleges for Participants	F. Daniel Mg. HajaBadurudeen R. Balakumaran U. Nanda Kumar M. Bharathi Raja A. Mohamed Ibunudeen V. Karthik Raja	RS.Koteeshwari A. Sundar Raj, S. Senthilkumar	Sending Brochure to Other Colleges, collecting certificate, Invitation, Brochure, Report Preparation, Programme schedule and Overall Control
2	Comparing	M.SushanSankari S.kiruthika(IV) B.Aishwarya Suma V.Neelaveni S.Abarna	S. Jim Hawkinson, D. Muthulakshmi, S. Dhanalakshmi, T.Yazhini	Comparing for Inauguration and Valediction, Chief Guest honour.
3	Food Committee		M. NuthalSrinivasan, M. IrshadAhamed, L. Ramachandran, A.Dhanasekar V. Karthikeyan, B. NirmalDev, V.G. SudharsanaBalajee	Hall Arrangement for Food, Snacks and distribution
4	Registration and Reception	P. Parkavi (III) S. Mounika (III) N. Nandhini (III) S. Kayalvizhi (III) R. Karthika (III)	V. Elavarasi, R. Deepa, S.Suganya, L.Anitha Kalaivani	Registration, Kit, Rangoli, Attendance, Feedback & Certificate Writing.
6	PRO		C. Mathuvanesan, S.Parthasarathi	Photo Session, Publish – News Paper (Tamil and English) , flux for backdrop and welcome
7	New Letter	G.Aravindhan(IV) Manibharathi(IV) R.Gopinath(III) A.MohamedIbunudeen V.Devanandham(III)	M. NuthalSrinivasan C. Mathuvanesan	News Letter preparation

ATTESTED

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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (T) Tamil Nadu.

Magazine	R.Saravanan(IV) N.Kiruhika(IV) DuraiMurugan(IV) C.Kalaivanan (III) U.Nanda Kumar (III)	S. Senthilkumar, T. Senthil Kumar	Magazine preparation
Blood Donor's details	S.Sinthana (IV) P.Rakshiha (IV) K.PriyaDharshini (IV) B.prabhavathy (IV) R.Gayathri(IV)	L. Ramachanndran, T. Senthilkumar	Collection of student details with blood group from all departments

Coordinator

HoD

ATTESTED

Dr. S. RAMABALAN M.E., Ph.D.,
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.

13.02.2018

om,
S. Senthil Kumar,
AP/ECE,
E.U.S. Pillay Engg. College,
Nagapattinam.

The principal,
E.U.S. Pillay Engg. College,
Nagapattinam.



Respected Sir,

Sub: Requisition for E.U.S.P Auditorium (17.02.18) AN Session
Symposium - ECE - Reg.

We planned to conduct ECE Symposium (YANTRA-21) at our auditorium for Valabictory. So, we would like to use EUSP Auditorium (2pm to 4.30pm). So, we request you to give the permission for the hall arrangement.

Thanking you.

19.02.18

Nagapattinam

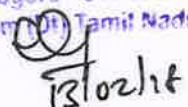
Submitted to
Principal Sir

13/02/18



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.U.S. Pillay Engineering College
Thethi, Nagore - 611 002.
Nagapattinam, Tamil Nadu.



(S. Senthil Kumar)



(AUTONOMOUS)

Nagapattinam-611 002

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Department of Electronics and Communication Engineering
Spectacular Association of Real Knowledge (SPARKS)

Proudly presents

YANTRAA-2K18

Registration form

Student Name	College name	Contact no. & mail	Amount Paid (Rs.)	Registration Kit received	Signature
S.SIVA PRITHA	Perunthalaivar Kammajar Institute of engineering & technology	9840599497 sivapritha97@gmail.com	100/-		
C.SIVA BHARATHY	"	9442279049 sivabharathy@gmail.com	100/-		
S. Mungam Chandan	Perunthalaivar Kammajar Institute of Engineering & Tech.	8973463947 santosh18021998@gmail.com	100/-		
M. Anand Kumar	"	9944747621 anandkumar@gmail.com	100/-	ATTESTED 	

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

PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore-611002.
Nagapattinam (Dt) Tamil Nadu.

(AUTONOMOUS)

Nagapattinam-611 002
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Department of Electronics and Communication Engineering
Spectacular Association of Real Knowledge (SPARKS)

Proudly presents

YANTIRAA-2k18

Registration form

S.no	Student Name	College name	Contact.no & mail	Amount Paid (Rs.)	Registration Kit received	Signature
1	S. Madhumidha	MRK Institute of Technology	7502918062 madhusatish22@gmail.com	100	✓	S. Madhumidha
	K. Susmitha	Anjalai Ammal Mahalingam Engineering college	9600765464 Susmitha.skv@gmail.com	100		K.S.
	K. Swathi Shree	"	9080584381			K.S.
	T. Sathya	"	9751098196 sathiyamani413@gmail.com		ATTESTED E.G.S. RAMABALAN, M.E., Ph.D., PRINCIPAL	T. Sathya

E.G.S. Pillay Engineering College,
Thoothukudi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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Registration form

S.no	Student Name	College name	Contact.no & mail	Amount Paid (Rs.)	Registration Kit received	Signature
1	AL. SOLAI	A.V.C. college of Engineering	8667016188, solaiyalagappam98@gmail.com	₹100		SOLAI
2	N. GRAYATHRI	ANNAI COLLEGE OF ENGINEERING & TECHNOLOGY, THUMBAKONNAM	9487036698 ngayathri899@gmail.com	₹100		D.V.
3	C. SARANYA N. ATSHAYA B. ABIRAH	UNIVERSITY COLLEGE OF ENGINEERING THIRUKE - UVALAI	aichayaresamini@gmail.com 7402683408	₹100		SR
4	K. Jaisri V. Aranya K. Velhaya Wila	A.V.C college of engineering	Jaisriweera@gmail.com 9600245465	₹100	ATTESTED Dr. S. RAMABALAN, M.E., Ph.D., PRINCIPAL E.G.S. Pillay Engineering College, Thethi - Nagore - 611 002. Nagapattinam (Dt) Tamil Nadu.	Jaisri



(AUTONOMOUS)

Nagapattinam-611 002
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Department of Electronics and Communication Engineering
Spectacular Association of Real Knowledge (SPARKS)
Proudly presents

YANTRAA-2K18

Registration form

S.no	Student Name	College name	Contact.no & mail	Amount Paid (Rs.)	Registration Kit received	Signature
5	S.NIRANJANADEVI	MRK INSTITUTE OF TECHNOLOGY	9600658476 niranjanadivi19@gmail.com	100		S.Niranjani
6	R. RAMYA	MRK INSTITUTE OF TECHNOLOGY	9973810167 731670mya@gmail.com	100		R.Ramya
7	S. SATHIYA	MRK INSTITUTE OF TECHNOLOGY	7639671273 sathiyaselvomas18@gmail.com	100		S.Sathiya
8	A. PRIYA	MRK INSTITUTE OF TECHNOLOGY	9080623919 GNPriya385@gmail.com	100	ATTESTED 	Dr. S. RAMABALAN, M.E., Ph.D., E.G.S. Pillay Engineering College, Thethi, Nagore - 611 002.

Nagapattinam (Dt) Tamil Nadu.



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Department of Electronics and Communication Engineering

Spectacular Association of Real Knowledge (SPARKS)
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YANTRAA-2K18

Registration form

S.no	Student Name	College name	Contact no & mail	Amount Paid (Rs.)	Registration Kit received	Signature
17	S.SIVASAKTHI.	MRK Institute of Technology, Kattumannur -koi	9698639696 & sivasaktisri12@gmail.com	100		S. Sivasakti
18	J. MADHUMITHA.	MRK Institute of Technology, Kattumannur -koi	8300269716 & madhumitha1145@gmail.com	100		J. Madhumitha
37.	M. PRIYADHARSHINI	MRK Institute of Technology, Kattumannur-koi	8526647576 & priyasonica21@gmail.com	100		Priyadharshini
41.	S. MEEENATCHI	MRK Institute of Technology, Kattumannur-koi.	9894218426 & mahamam30@gmail.com		ATTESTED B.P.S. RAMABALAN, M.E., Ph.D., PRINCIPAL E.G.S. Pillay Engineering College, Therhi, Nagore - 611 002. Nagapattinam (Dt) Tamil Nadu.	S.M.D



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YANTRA-2K18

Registration form

S.no	Student Name	College name	Contact no & mail	Amount Paid (Rs.)	Registration Kit received	Signature
1.	G. Jayasree	University College of Engg, Thirukkudalai	9443621866 & jayasri061998@gmail.com			
2	B. Nandhini	A.V.C college of Engineering, Mannambal	9442445721 & nandhini_basakrasan23@gmail.com			
3	V. Abinaya	Pooviyar Maniammai Institute of Science & Technology	7408885449 & abinaya.v01@gmail.com			
4.	K. Subasi	ARC college of Engineering	7397026290 & sobahjk@gmail.com		ATTESTED	

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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

E.G.S PILLAY ENGINEERING COLLEGE
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TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	1
STUDENTS NAME	AL SOLAI
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100
Coordinator Sign	Student Signature

E.G.S PILLAY ENGINEERING COLLEGE
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S.NO	2
STUDENTS NAME	SIVASAKTHI . S, MRK INSTITUTE OF TECHNOLOGY.
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100/-
Coordinator Sign	Student Signature

E.G.S PILLAY ENGINEERING COLLEGE
(AUTONOMOUS), NAGAPATTINAM
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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	3
STUDENTS NAME	MADHUMITHA . Y, M.R.K IT
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	4
STUDENTS NAME	PRIYADHARSHINI . M, MRK
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	5
STUDENTS NAME	S.NIRANJANA DEVI, MRK INSTITUTE OF TECHNOLOGY
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100
Coordinator Sign	Student Signature

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DEPARTMENT OF ECE
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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	6
STUDENTS NAME	R.RAMYA, MRK INSTITUTE OF TECHNOLOGY
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100/-
Coordinator Sign	Student Signature

ATTESTED
EVENT NAME

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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002
Nagapattinam (Dt) Tamil Nadu

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Department copy

S.NO	1
STUDENTS NAME	AL. SOLAI
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	2
STUDENTS NAME	SIVASAKTHI . S, MRK INSTITUTE OF TECHNOLOGY.
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	3
STUDENTS NAME	MADHUMITHA . V, M.R.K IT
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	4
STUDENTS NAME	PRIYADHARSHINI . M, MRK
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100/-
Coordinator Sign	Student Signature

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DEPARTMENT OF ECE
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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	5
STUDENTS NAME	S.NIRANJANA DEVI, MRK INSTITUTE OF TECHNOLOGY
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100
Coordinator Sign	Student Signature

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Department copy

S.NO	6
STUDENTS NAME	R. RAMYA, MRK INSTITUTE OF TECHNOLOGY
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100/-
Coordinator Sign	Student Signature

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (DT) Tamil Nadu.

E.G.S PILLAY ENGINEERING COLLEGE
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Department copy

S.NO	7
STUDENTS NAME	S. SATHIYA, MRKIT
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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Department copy

S.NO	9
STUDENTS NAME	MEENATCHI - S MRK INSTITUTE OF TECHNOLOGY
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	11
STUDENTS NAME	L. Durga
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	8
STUDENTS NAME	PRIYA A, MRKIT
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	10
STUDENTS NAME	K. Durga
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	12
STUDENTS NAME	Kashi
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

ATTESTED
DR. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002
 Nagapattinam (Dt.) Tamil Nadu.

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Department copy

S.NO	17
STUDENTS NAME	BAVITHRA.S
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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Department copy

S.NO	19
STUDENTS NAME	P. Asha
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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S.NO	21
STUDENTS NAME	M. GURUCHITRA
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

E.G.S PILLAY ENGINEERING COLLEGE
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TECHNICAL AND NON TECHNICAL SYMPOSIUM
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Department copy

S.NO	18
STUDENTS NAME	S. SOWNDARYA
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature

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TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	20
STUDENTS NAME	R. NITHIYA
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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Department copy

S.NO	22
STUDENTS NAME	M. AISHWARIYA
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	12
STUDENTS NAME	S. Nirodhi mathi K.R. PAVITHEREN
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	200/-
Coordinator Sign	Student Signature

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TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	14
STUDENTS NAME	R. Subasri
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature

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TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	15 (b)
STUDENTS NAME	N. GAYATHRI
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹100
Coordinator Sign	Student Signature

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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DEPARTMENT OF ECE
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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	13
STUDENTS NAME	M. Manj
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature

E.G.S PILLAY ENGINEERING COLLEGE
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DEPARTMENT OF ECE
TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	15
STUDENTS NAME	M. SURYA
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

E.G.S PILLAY ENGINEERING COLLEGE
(AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF ECE
TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	16
STUDENTS NAME	R. NANTHAK
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature

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NAGAPATTINAM
OF ECE
TECHNICAL SYMPOSIUM
ANTRAA 2K18
copy

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(AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF ECE
TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	23
STUDENTS NAME	REKSHANA S
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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NAGAPATTINAM
OF ECE
TECHNICAL SYMPOSIUM
ANTRAA 2K18
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(AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF ECE
TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	25
STUDENTS NAME	R. VENKATESH RATA
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	24
STUDENTS NAME	M. KANYA
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	24
STUDENTS NAME	T. Purnitha
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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S.NO	26
STUDENTS NAME	P. SUDHA
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature

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DEPARTMENT OF ECE
TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	28
STUDENTS NAME	C. Saranya
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.,
Principal
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

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S.NO	35
STUDENTS NAME	B. RUBASRI
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	₹ 100
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
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S.NO	34
STUDENTS NAME	w. Madhumidha
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
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S.NO	39
STUDENTS NAME	K. Vdhayanila
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
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S.NO	36
STUDENTS NAME	P. Menaka
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
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S.NO	38
STUDENTS NAME	K. Jaisri
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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S.NO	40
STUDENTS NAME	B. NANDHINI
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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DR. RAMAKRISHNAN, M.E., Ph.D.
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S.NO	41
STUDENTS NAME	S. PRIYADHARSHINI
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	for 100/- Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	43
STUDENTS NAME	G. MARY THERESA
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	for 100/- Student Signature

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S.NO	45
STUDENTS NAME	K. Susmitha
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME

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S.NO	42
STUDENTS NAME	V. Alanya
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	Rs. 100/-
Coordinator Sign	for 100/- Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	44
STUDENTS NAME	E. AMRI
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	for 100/- Student Signature

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S.NO	47
STUDENTS NAME	S. Horendra
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	Rs. 100/-

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S.NO	48
STUDENTS NAME	A. MADHUMITHA
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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S.NO	50
STUDENTS NAME	R. JANANI
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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S.NO	52
STUDENTS NAME	T. Sathya
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	Rs. 100
Coordinator Sign	

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S.NO	49
STUDENTS NAME	R. PREMADRIYA
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	Rs. 100
Coordinator Sign	Student Signature

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S.NO	51
STUDENTS NAME	R. Vijayalakshmi
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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Remitter copy

S.NO	53
STUDENTS NAME	G. Jayashree
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	
Coordinator Sign	

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Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu

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S.NO	
STUDENTS NAME	A. Shanmugasriya 54
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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S.NO	55
STUDENTS NAME	R. MADHURA
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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S.NO	56
STUDENTS NAME	A. Anu
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
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S.NO	57
STUDENTS NAME	J. PREETHI
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature

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S.NO	58
STUDENTS NAME	K. Swathi Shree
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature

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S.NO	59
STUDENTS NAME	S. SHAMEERA
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	60
STUDENTS NAME	V. ABINAYA
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	62
STUDENTS NAME	B. Abhinaya
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
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S.NO	64
STUDENTS NAME	J. DIVYABHARATHI
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
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S.NO	61
STUDENTS NAME	M. Vinodhini
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
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S.NO	63
STUDENTS NAME	K. Sivasangari
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	
Coordinator Sign	Student Signature

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S.NO	65
STUDENTS NAME	K. SUBASRI
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature

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PRINCIPAL
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Thethi, Nagore - 611 002.
Nagapattinam (TN) Tamil Nadu.

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Department copy

S.NO	bb
STUDENTS NAME	K. SARAVANA KUMAR
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	K. Saravana Student Signature

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S.NO	bf
STUDENTS NAME	V. VISAYAN
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	
Coordinator Sign	V. Visayan Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	b8
STUDENTS NAME	R. PRENKAJ
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	
Coordinator Sign	R. Prekaj Student Signature

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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	b9
STUDENTS NAME	G. Manikandan
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	G. Manikandan Student Signature

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S.NO	72
STUDENTS NAME	S. Musungarandham
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	S. Musungarandham Student Signature

E.G.S PILLAY ENGINEERING COLLEGE
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DEPARTMENT OF ECE
TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
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S.NO	73
STUDENTS NAME	M. Anand
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input checked="" type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	M. Anand Student Signature

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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S.NO	73
STUDENTS NAME	S. SIVA PRITHA
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature <i>Pritha</i>

E.G.S PILLAY ENGINEERING COLLEGE
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S.NO	74
STUDENTS NAME	SIVA BHARATHY C
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-
Coordinator Sign	Student Signature <i>S. Siva Bharathy</i>

E.G.S PILLAY ENGINEERING COLLEGE
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DEPARTMENT OF ECE
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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	75
STUDENTS NAME	A. SUBABRI
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature <i>Suba</i>

E.G.S PILLAY ENGINEERING COLLEGE
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S.NO	77
STUDENTS NAME	V. SUBATHRD
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100
Coordinator Sign	Student Signature <i>V. Suba</i>

E.G.S PILLAY ENGINEERING COLLEGE
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DEPARTMENT OF ECE
TECHNICAL AND NON TECHNICAL SYMPOSIUM
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Department copy

S.NO	76
STUDENTS NAME	SRIVIDYA
EVENT NAME	<input type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input checked="" type="checkbox"/> CIRCUIT HACKING <input checked="" type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100

E.G.S PILLAY ENGINEERING COLLEGE
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SPARKS PRESENTS "YANTRAA 2K18"
Department copy

S.NO	
STUDENTS NAME	M. soorya
EVENT NAME	<input checked="" type="checkbox"/> PAPER PRESENTATION <input type="checkbox"/> PROJECT CARNIVAL <input type="checkbox"/> CIRCUIT HACKING <input type="checkbox"/> TECHNICAL BRAIN TEASER <input checked="" type="checkbox"/> TREASURE HUNT <input type="checkbox"/> TECH MIME
AMOUNT	100/-

ATTACHED
D. S. RAMABALAN, M.E., PH.D.
PRINCIPAL
E.G.S. PILLAY ENGINEERING COLLEGE
Thiruv. Nagar. - 611 005
Nagapattinam (Dist. Thanjavur)

Jury

NAME OF THE PARTICIPANTS	TITLE	PAPER ID	MARK ALLOCATION [50]				TOTAL
			PRESENTATION [10]	ORGANISATION OF PAPER [20]	INNOVATION [10]	TEAM WORK [10]	
B. Nandhini } S. Sanya M }	Image Processing AUC, Cige		6	10	7	6	29
K. Saravanan } Kumar } V. Vijayan }	Face Recognition Robo Head AUC, Cige.		7	12	8	7	34
K. P. Sai } A. Saiya }	Nano Tech AUC		8	13	9	7	37
J. Anitha } K. Premapriya }	Plasmonics Anjaliyumal Cig		9	14	8	8	39
S. Jayachandran } K. Subarni }	Robotics and Intelligent System AUC, Cig		6	10	5	6	27
S. Anitha } K. R. Divya } V. Subatha }	Light per K. Kamalash CCL		5	9	5	4	23
S. Anitha }	Bionic Eye Anjaliyum		9	10	8	6	33
K. Madhava -	Digital Library University In		6	8	6	4	24
K. M. Surya -	Haptic Tech Thiru		7	9	5	5	26

ATTESTED

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

E.G.S. Pillay Engineering College,
T. Metti, Nagore - 611 002,
Nagarathinam (D) Tamil Nadu.

V. Sen
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V. Sen

Signature of
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jury

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820811106037 POORNIMA L
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CHANGES IN THE SCHEME OF EXAMINATION
Final Results of April / May Examination, 2013

Page No

Jury

NAME OF THE PARTICIPANTS	TITLE	PAPER ID	MARK ALLOCATION[50]				TOTAL
			PRESENTATION [10]	ORGANISATION OF PAPER [20]	INNOVATION [10]	TEAM WORK [10]	
S. Sumanya	Wife Tech University Eng, clt		07	13	8	6	34
S. Reeksha	Online Intelligent Controlled, detect. Robot Thiruvallur		05	10	06	04	25
P. Raja Sudha	wireless communication system Thiruvallur		05	9	05	04	23
S. Sharmila Bama Vidya	natural eye sensitive solar perimeter manyam		07	13	06	06	32
A. Madhura S. Janani	Home automation Jury Internet perimeter manyam		07	12	06	06	31
S. Sathya S. S. A	wireless communication multiplex. edge		05	10	04	04	23
R. Ananya	Detecting the harvest time of rice grain. manyam clt.		04	9	03	04	20

Signature of

V. Senthil Murugan

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PRINCIPAL

E. G. S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

V. S. SENTHIL MURUGAN

July

NAME OF THE PARTICIPANTS	TITLE	PAPER ID	MARK ALLOCATION[50]				TOTAL
			PRESENT ATION [10]	ORGANISATI ON OF PAPER [20]	INOVATION [10]	TEAM WORK [10]	
R.Nithya	A.Patch array antenna		06	20	06	07	29
T.Sathya	ABMEC						
Ki. Sushmitha	MEMORISTOR (ABMEC)		08	08	08	08	32
Suathi	ABMEC		09	08	07	08	32
Anu	UCT		04	04	04	05	17
Salai	AVC		06	05	06	08	25
Meerachi	MRK		05	05	05	06	21
Mathumitha	MRK		05	04	06	06	21
Dr. Durka	Annai Enys		04	04	04	04	16
Eloukya	Annai		04	05	05	06	20
mathumitha	MRK		06	06	07	07	26
K.Durga	Annai.		06	04	04	04	16
Nirairathi	AVC		09	10	06	07	34
S. Dayana	Annai college		06	04	05	06	21
Sivapritha	Pelunthalaiaval Ud		09	14	07	09	38
Rubakri	Annai		04	06	04	06	16
Vinothini	SJCET TNJ		05	09	08	07	29
Manjula.	AVC		07	9	07	07	30

- ① Sathya, Preemapiy
1) Anjalaiamal
- ② Sivapritha 2) PCIT
- ③ Saisri, akshay AVC

Signature of
the
July

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
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TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
PAPER PRESENTATION

S NO	BATCH NO	STUDENT NAME	YEAR	COLLEGE NAME	TITLE OF THE PAPER	STUDENT SIGNATURE
10		C. SARANYA N. ATSHAYA B. ABIZAMI	III rd	UNIVERSITY COLLEGE OF ENGINEERING THIRUKKUVAILAI	HIFI TECHNOLOGY	<i>[Signature]</i> N. Atshaya
11		M. SURYA	III	UCE - Thirukkuvailai	HAPTIC TECHNOLOGY	M. Surya 11/12/18
12		P. SUDHA R. Venkatesh Raja	III	UCE - Thirukkuvailai	wireless communication	P. Sudha R. Venkatesh Raja
13		S. REKSHANA T. PUVITHA P. ASHA	III	UCE, Thirukkuvailai.	ONLINE INTELLIGENT CONTROLLED MIND DETECTION ROBOT	S. Rekshana T. Puvitha P. Asha
14		S. SHAMEERA BANU Y. ABINAYA	III	PERIYAR MANJAMMAI UNIVERSITY, VALLAM	NATURAL DYE SENSITIZED SOLAR CELL	S. Shameera Banu Y. Abinaya
15		A. MADHUMITHA R. JANANI	III	Periyar, maniammai University, vallam	Home automation using Internet of things (IIOT)	A. Madhumitha R. Janani
16		S. NIBRANJANADEVI R. RAMYA	III	MRK INSTITUTE OF TECHNOLOGY, Katturambakkal.	Delivering the harvesting time of rice grain in the scientific farming using image processing ALTIMATED	S. Nibranjandevi R. Ramya
17		S. SATHIYA A. PRIYA	III	MRK INSTITUTE OF TECHNOLOGY, Katturambakkal.	WIRELESS COMMUNICATION	S. Sathya A. Priya
18		T. SATHIYA R. PREMA PRAJAY	IV	Anjalaram Engineering	Dr. S. RAMABALAN, M.E., Ph.D., PRINCIPAL E.G.S. Pillay Engineering College, Nagapattinam (Dr. Tamil-Nadu), Dagore - 611 002.	T. Sathya R. Prema Prajaya

TECHNICAL AND NON TECHNICAL SYMPOSIUM
SPARKS PRESENTS "YANTRAA 2K18"
PAPER PRESENTATION

S NO	BATCH NO	STUDENT NAME	YEAR	COLLEGE NAME	TITLE OF THE PAPER	STUDENT SIGNATURE
1.		B. Nandhara M. Sooriya	III	A.V.C college of Engineering	Image Processing	B. Nandhara M. Sooriya
2.		K. Jaisri V. Akalya	III	AVC college of Engineering	Nano Technology	K. Jaisri V. Akalya
3.		S. Priyadarshini K. Subasri J. Divya Bhavathi E. AMRITHA G. MARY THERESA	III	AVC college of Engineering ANTALAI ANIMAL MAHalingam ENGI.	Robotics and Intelligent systems in support of society BIOMIC EYE	S. Priyadarshini K. Subasri J. Divya E. Amritha G. Mary Theresa
4.		K. SARAVANA KUMAR V. VIJAYAN (P) R. PPA	III	AVC college of Engineering	FACE RECOGNITION ROBO HEAD	K. Saravana Kumar V. Vijayan R. PPA
5.		K. SRIVIDYA V. SUBATHRA A. SUBBARI	III	K. RAMAKRISHNAN COLLEGE OF ENGINEERING	ATTESTED LIGHT PEN	K. Srividya V. Subathra A. Subbari
6.		R. MADHURA G. MANIMATHI T. LOKESWARI	III	UNIVERSITY COLLEGE OF ENGINEERING	DR. S. RAMABALAN, M.E., Ph.D., DIGITAL PRINCIPAL E.G.S. Pillay Engineering College, Ry Thethi, Nagore - 611 002.	R. Madhura G. Manimathi T. Lokeswari
7.		L. DURGA K. DURGA	III	Anni college of Engineering and Technology	The solar navigation system in urban scenarios using movement GIS	L. Durga K. Durga
8.		A. KASHIFA K. DURGA	III	Anni college of engs and tech.	All digital fast locking delay locked loop using a cyclic locking loop for DRAM	A. Kashifa K. Durga

SYMPOSIUM EVALUATION FORM

Title of the Symposium: **YANTRAA-2K18**

Date: **17.02.2018**

Dept. Name: **ECE**

Coordinators Name: **A.SUDAR RAJ & S.SENTHILKUMAR**

Symposium type: **National Level**

Please take time to complete this evaluation form. Delegate feedback is very important to us and shapes the Symposium in future years. (Put \checkmark mark)

1. Where did you first find information about this Symposium?

Email, Website, Brochure, Newsletter, Friends, Others

2. What aspects of the Symposium were of most value to you?

Overall Contents, Food and other arrangements, Awards, Speakers, Prizes, Venue, Duration and dates of Symposium, Others

3. What influenced you to attend this Symposium?

Symposium theme, Paper Publication, Duration and dates of the Symposium, Awards, Keynote speakers, Fees, E vent organisation, Venue, Prizes, Others

4. Overall, how satisfied were you with the symposium?

- Very satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very Dissatisfied

Comments:

5. a. How would you rate each session of the Symposium?


Event Title: **Paper Revealing**
• Excellent • Very Good • Good • Fair • Poor
Any comments about a specific section?

5. b. How would you rate each session of the Symposium?

Event Title: **Circuit Hacking**
• Excellent • Very Good • Good • Fair • Poor
Any comments about a specific section?

5. c. How would you rate each session of the Symposium?

Event Title: **Technical Brain Teaser**
• Excellent • Very Good • Good • Fair • Poor
Any comments about a specific section?

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

5.d. How would you rate each session of the Symposium?

Event Title: Project Carnival ✓

• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5.e. How would you rate each session of the Symposium?

Event Title: Treasure Hunt ✓

• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5.f. How would you rate each session of the Symposium?

Event Title: Tech Mime

• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

6. Overall the material presented was informative and understandable.

- Strongly Agree ✓
- Agree
- Neutral
- Disagree
- Strongly Disagree

7. The questions and discussion were handled to my satisfaction.

- Strongly Agree ✓
- Agree
- Neutral
- Disagree
- Strongly Disagree

Any comments on the Q&A sessions?

8. How likely is it that you will recommend future EGSPEC Symposiums to your colleagues?

• Very Likely ✓ • Likely • Neutral • Unlikely • Very Unlikely

Comments:

9. Do you have any suggestions for future symposium topics?

Was the time of year for the Symposium convenient? • Yes ✓ • No

10. How would you describe the organization/logistics of the Symposium (e.g. registration, start and end times, hotel, food)?

• Excellent • Very Good ✓ • Good • Fair • Poor

Any comments regarding the organization or logistics of the Symposium?

To be on the mailing list for the future Symposium. Please give us your contact details.

Name: S. SIVA PRITHA.....

Institution: Perunthalaivan Kamarajar Dm

Email:

Signature: S. Siva Pritha

Please hand over this completed form to the Symposium desk on your departure.

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PRINCIPAL

EGSPEC Symposium – Evaluation form
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

SYMPOSIUM EVALUATION FORM

Title of the Symposium: YANTRAA-2K18

Date: 17.02.2018

Dept. Name: ECE

Coordinators Name: A.SUDAR RAJ & S.SENTHILKUMAR

Symposium type: National Level

Please take time to complete this evaluation form. Delegate feedback is very important to us and shapes the Symposium in future years. (Put ✓ mark)

1. Where did you first find information about this Symposium?

Email, Website ✓ Brochure, Newsletter, Friends, Others

2. What aspects of the Symposium were of most value to you?

Overall Contents, Speakers ✓, Venue, Food and other arrangements, Prizes, Duration and dates of Symposium, Awards, Others

3. What influenced you to attend this Symposium?

Symposium theme, Keynote speakers ✓, Event organisation, Paper Publication, Fees, Venue, Duration and dates of the Symposium, Awards, Prizes, Others

4. Overall, how satisfied were you with the symposium?

- Very satisfied
- Satisfied ✓
- Neutral
- Dissatisfied
- Very Dissatisfied

Comments:

5. a. How would you rate each session of the Symposium?

Event Title: Paper Revealing
 • Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5. b. How would you rate each session of the Symposium?

Event Title: Circuit Hacking ✓
 • Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5. c. How would you rate each session of the Symposium?

Event Title: Technical Brain Teaser
 • Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

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[Signature]
 Dr. S. RAMABALAN, M.E., Ph.D.
 PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.

5.d. How would you rate each session of the Symposium?

Event Title: Project Carnival
• Excellent • Very Good • Good • Fair • Poor
Any comments about a specific section?

5.e. How would you rate each session of the Symposium?

Event Title: Treasure Hunt
• Excellent • Very Good • Good • Fair • Poor
Any comments about a specific section?

5.f. How would you rate each session of the Symposium?

Event Title: Tech Mime
• Excellent • Very Good • Good • Fair • Poor
Any comments about a specific section?

6. Overall the material presented was informative and understandable.

- Strongly Agree ✓
- Agree
- Neutral
- Disagree
- Strongly Disagree

7. The questions and discussion were handled to my satisfaction.

- Strongly Agree ✓
- Agree
- Neutral
- Disagree
- Strongly Disagree

Any comments on the Q&A sessions?

8. How likely is it that you will recommend future EGSPEC Symposia to your colleagues?

- Very Likely
- Likely ✓
- Neutral
- Unlikely
- Very Unlikely

Comments:

9. Do you have any suggestions for future symposium topics?

Was the time of year for the Symposium convenient? • Yes • No ✓

10. How would you describe the organization/logistics of the Symposium (e.g. registration, start and end times, hotel, food)?

- Excellent
- Very Good
- Good ✓
- Fair
- Poor

Any comments regarding the organization or logistics of the Symposium?

To be on the mailing list for the future Symposium. Please give us your contact details.

Name: N. GAYATHRI
Email:

Institution: Anna College of Engineering
Signature: N. Gayathri

Please hand over this completed form to the Symposium desk on your departure.

SYMPOSIUM EVALUATION FORM

Title of the Symposium: YANTRAA-2K18

Date: 17.02.2018

Dept. Name: ECE

Coordinators Name: A.SUDAR RAJ & S.SENTHILKUMAR

Symposium type: National Level

Please take time to complete this evaluation form. Delegate feedback is very important to us and shapes the Symposium in future years. (Put \checkmark mark)

1. Where did you first find information about this Symposium?

Email, Brochure, Friends,
 Website, Newsletter, Others

2. What aspects of the Symposium were of most value to you?

Overall Contents, Speakers, Venue,
 Food and other arrangements, Duration and dates of Symposium,
 Awards, Prizes, Others

3. What influenced you to attend this Symposium?

Symposium theme, Keynote speakers, Event organisation,
 Paper Publication, Fees, Venue,
 Duration and dates of the Symposium, Awards, Prizes, Others

4. Overall, how satisfied were you with the symposium?

- Very satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very Dissatisfied

Comments:

5. a. How would you rate each session of the Symposium?

Event Title: Paper Revealing
• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5. b. How would you rate each session of the Symposium?

Event Title: Circuit Hacking
• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5. c. How would you rate each session of the Symposium?

Event Title: Technical Brain Teaser
• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

5.d. How would you rate each session of the Symposium?

Event Title: **Project Carnival**

• Excellent • Very Good ✓ • Good • Fair • Poor

Any comments about a specific section?

5.e. How would you rate each session of the Symposium?

Event Title: **Treasure Hunt**

• Excellent • Very Good ✓ • Good • Fair • Poor

Any comments about a specific section?

5.f. How would you rate each session of the Symposium?

Event Title: **Tech Mime**

• Excellent • Very Good ✓ • Good • Fair • Poor

Any comments about a specific section?

6. Overall the material presented was informative and understandable.

- Strongly Agree ✓
- Agree
- Neutral
- Disagree
- Strongly Disagree

7. The questions and discussion were handled to my satisfaction.

- Strongly Agree
- Agree ✓
- Neutral
- Disagree
- Strongly Disagree

Any comments on the Q&A sessions?

8. How likely is it that you will recommend future EGSPEC Symposiums to your colleagues?

• Very Likely ✓ • Likely • Neutral • Unlikely • Very Unlikely

Comments:

9. Do you have any suggestions for future symposium topics?

Was the time of year for the Symposium convenient? • Yes ✓ • No

10. How would you describe the organization/logistics of the Symposium (e.g. registration, start and end times, hotel, food)?

• Excellent • Very Good ✓ • Good • Fair • Poor

Any comments regarding the organization or logistics of the Symposium?

To be on the mailing list for the future Symposium. Please give us your contact details.

Name: V. Athinaya.....

Institution: Pattaya Maniyammai Institute of Tech

Email:

Signature: V. Athinaya.....

Please hand over this completed form to the Symposium desk on your departure.

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PRINCIPAL

SYMPOSIUM EVALUATION FORM

Title of the Symposium: YANTRAA-2K18

Date: 17.02.2018

Dept. Name: ECE

Coordinators Name: A.SUDAR RAJ & S.SENTHILKUMAR

Symposium type: National Level

Please take time to complete this evaluation form. Delegate feedback is very important to us and shapes the Symposium in future years. (Put ✓ mark)

1. Where did you first find information about this Symposium?

Email, Website, Brochure, Newsletter, Friends, Others ✓

2. What aspects of the Symposium were of most value to you?

Overall Contents, Food and other arrangements, Awards, Speakers, Prizes, Venue, Duration and dates of Symposium, Others

3. What influenced you to attend this Symposium?

Symposium theme, Paper Publication, Duration and dates of the Symposium, Keynote speakers, Fees, Awards, Event organisation, Venue, Prizes, Others

4. Overall, how satisfied were you with the symposium?

- Very satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very Dissatisfied

Comments:

5. a. How would you rate each session of the Symposium?

Event Title: Paper Revealing
 • Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5. b. How would you rate each session of the Symposium?

Event Title: Circuit Hacking
 • Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5. c. How would you rate each session of the Symposium?

Event Title: Technical Brain Teaser
 • Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

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 PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002,
 Nagapattinam (Dt) Tamil Nadu.

5.d. How would you rate each session of the Symposium?
Event Title: Project Carnival

- Excellent • Very Good • Good • Fair • Poor.
- Any comments about a specific section?

5.e. How would you rate each session of the Symposium?
Event Title: Treasure Hunt

- Excellent • Very Good • Good • Fair • Poor
- Any comments about a specific section?

5.f. How would you rate each session of the Symposium?
Event Title: Tech Mime

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6. Overall the material presented was informative and understandable.

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- Agree
- Neutral
- Disagree
- Strongly Disagree

7. The questions and discussion were handled to my satisfaction.

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

Any comments on the Q&A sessions?

8. How likely is it that you will recommend future EGSPEC Symposiums to your colleagues?

- Very Likely
 - Likely
 - Neutral
 - Unlikely
 - Very Unlikely
- Comments:

9. Do you have any suggestions for future symposium topics?

Was the time of year for the Symposium convenient? • Yes • No

10. How would you describe the organization/logistics of the Symposium (e.g registration, start and end times, hotel, food)?

- Excellent
- Very Good
- Good
- Fair
- Poor

Any comments regarding the organization or logistics of the Symposium?

To be on the mailing list for the future Symposium. Please give us your contact details.

Name: B. RAMYA Institution: MRK Institute of Techno
 Email: Signature: B. Ramya

Please hand over this completed form to the Symposium desk on your departure.

ATTESTED

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

SYMPOSIUM EVALUATION FORM

Title of the Symposium: YANTRAA-2K18

Date: 17.02.2018

Dept. Name: ECE

Coordinators Name: A.SUDAR RAJ & S.SENTHILKUMAR

Symposium type: National Level

Please take time to complete this evaluation form. Delegate feedback is very important to us and shapes the Symposium in future years. (Put ✓ mark)

1. Where did you first find information about this Symposium?

Email, Website, Brochure, Newsletter, Friends, Others

2. What aspects of the Symposium were of most value to you?

Overall Contents, Food and other arrangements, Awards, Speakers, Prizes, Venue, Duration and dates of Symposium, Others

3. What influenced you to attend this Symposium?

Symposium theme, Paper Publication, Duration and dates of the Symposium, Keynote speakers, Fees, Awards, Event organisation, Venue, Prizes, Others

4. Overall, how satisfied were you with the symposium?

- Very satisfied
- Satisfied ✓
- Neutral
- Dissatisfied
- Very Dissatisfied

Comments:

5. a. How would you rate each session of the Symposium?

Event Title: Paper Revealing
• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5. b. How would you rate each session of the Symposium?

Event Title: Circuit Hacking
• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5. c. How would you rate each session of the Symposium?

Event Title: Technical Brain Teaser
• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

5.d. How would you rate each session of the Symposium?

Event Title: Project Carnival

• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5.e. How would you rate each session of the Symposium?

Event Title: Treasure Hunt

• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5.f. How would you rate each session of the Symposium?

Event Title: Tech Mime

• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

6. Overall the material presented was informative and understandable.

- Strongly Agree
- Agree ✓
- Neutral
- Disagree
- Strongly Disagree

7. The questions and discussion were handled to my satisfaction.

- Strongly Agree ✓
- Agree
- Neutral
- Disagree
- Strongly Disagree

Any comments on the Q&A sessions?

8. How likely is it that you will recommend future EGSPEC Symposiums to your colleagues?

• Very Likely ✓ • Likely • Neutral • Unlikely • Very Unlikely

Comments:

9. Do you have any suggestions for future symposium topics?

Was the time of year for the Symposium convenient? • Yes • No ✓

10. How would you describe the organization/logistics of the Symposium (e.g registration, start and end times, hotel, food)?

• Excellent • Very Good ✓ • Good • Fair • Poor

Any comments regarding the organization or logistics of the Symposium?

To be on the mailing list for the future Symposium. Please give us your contact details.

Name: K. Susmitha.....

Institution: Anjali Anama! Maduringam, Engineer

Email:

Signature: K. Susmitha.....

Please hand over this completed form to the Symposium desk on your departure.

ATTESTED



Dr. S. RAMABALAN, M.E.
PRINCIPAL

SYMPOSIUM EVALUATION FORM

Title of the Symposium: YANTRAA-2K18

Date: 17.02.2018

Dept. Name: ECE

Coordinators Name: A.SUDAR RAJ & S.SENTHILKUMAR

Symposium type: National Level

Please take time to complete this evaluation form. Delegate feedback is very important to us and shapes the Symposium in future years. (Put \surd mark)

1. Where did you first find information about this Symposium?

- Email, Website,
- Brochure, Newsletter,
- Friends, Others

2. What aspects of the Symposium were of most value to you?

- Overall Contents, Food and other arrangements, Awards,
- Speakers, Prizes,
- Venue, Duration and dates of Symposium, Others

3. What influenced you to attend this Symposium?

- Symposium theme, Paper Publication, Duration and dates of the Symposium,
- Keynote speakers, Fees, Awards,
- Event organisation, Venue, Prizes, Others

4. Overall, how satisfied were you with the symposium?

- Very satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very Dissatisfied

Comments:

5. a. How would you rate each session of the Symposium?

Event Title: Paper Revealing
 • Excellent • Very Good \surd Good • Fair • Poor
 Any comments about a specific section?

5. b. How would you rate each session of the Symposium?

Event Title: Circuit Hacking
 • Excellent • Very Good • Good • Fair • Poor
 Any comments about a specific section?


5. c. How would you rate each session of the Symposium?

Event Title: Technical Brain Teaser
 • Excellent • Very Good \surd Good • Fair • Poor
 Any comments about a specific section?

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engineering

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 Dr. S. RAMABALAN, M.E., Ph.D.
 PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.

5.d. How would you rate each session of the Symposium?

Event Title: Project Carnival

• ~~Excellent~~ • Very Good • Good • Fair • Poor

Any comments about a specific section?

5.e. How would you rate each session of the Symposium?

Event Title: Treasure Hunt

• Excellent • Very Good • ~~Good~~ • Fair • Poor

Any comments about a specific section?

5.f. How would you rate each session of the Symposium?

Event Title: Tech Mime

• Excellent • Very Good • Good • ~~Fair~~ • Poor

Any comments about a specific section?

6. Overall the material presented was informative and understandable.

- Strongly Agree
- ~~Agree~~
- Neutral
- Disagree
- Strongly Disagree

7. The questions and discussion were handled to my satisfaction.

- Strongly Agree
- Agree
- ~~Neutral~~
- Disagree
- Strongly Disagree

Any comments on the Q&A sessions?

8. How likely is it that you will recommend future EGSPEC Symposiums to your colleagues?

• Very Likely • ~~Likely~~ • Neutral • Unlikely • Very Unlikely

Comments:

9. Do you have any suggestions for future symposium topics?

Was the time of year for the Symposium convenient? • ~~Yes~~ • No

10. How would you describe the organization/logistics of the Symposium (e.g registration, start and end times, hotel, food)?

• Excellent • Very Good • ~~Good~~ • Fair • Poor

Any comments regarding the organization or logistics of the Symposium?

To be on the mailing list for the future Symposium. Please give us your contact details.

Name: SARANYA..C.....

Institution: UNIVERSITY..COLLEGE OF ENGINEERING

Email:

Signature: *Saranya*

Please hand over this completed form to the Symposium desk on your departure.

ATTESTED

[Signature]

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

SYMPOSIUM EVALUATION FORM

Title of the Symposium: YANTRAA-2K18

Date: 17.02.2018

Dept. Name: ECE

Coordinators Name: A.SUDAR RAJ & S.SENTHILKUMAR

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Please take time to complete this evaluation form. Delegate feedback is very important to us and shapes the Symposium in future years. (Put ✓ mark)

1. Where did you first find information about this Symposium?

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Symposium theme, Paper Publication, Duration and dates of the Symposium, Awards, Keynote speakers, Fees, Event organisation, Venue, Prizes, Others

4. Overall, how satisfied were you with the symposium?

- Very satisfied ✓
- Satisfied
- Neutral
- Dissatisfied
- Very Dissatisfied

Comments:

5. a. How would you rate each session of the Symposium?


Event/Title: Paper Revealing
 Excellent • Very Good • Good • Fair • Poor
 Any comments about a specific section?

5. b. How would you rate each session of the Symposium?

Event Title: Circuit Hacking
 Excellent • Very Good • Good • Fair • Poor
 Any comments about a specific section?

5. c. How would you rate each session of the Symposium?

Event Title: Technical Brain Teaser
 Excellent • Very Good • Good • Fair • Poor
 Any comments about a specific section?

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 Dr. S. RAMABALAN, M.E., Ph.D.
 PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 012,
 Nagapattinam (Dt) Tamil Nadu.

5.d. How would you rate each session of the Symposium?

Event Title: **Project Carnival**

• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5.e. How would you rate each session of the Symposium?

Event Title: **Treasure Hunt**

• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

5.f. How would you rate each session of the Symposium?

Event Title: **Tech Mime**

• Excellent • Very Good • Good • Fair • Poor

Any comments about a specific section?

6. Overall the material presented was informative and understandable.

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

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- Agree
- Neutral
- Disagree
- Strongly Disagree

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• Very Likely • Likely • Neutral • Unlikely • Very Unlikely

Comments:

9. Do you have any suggestions for future symposium topics?

Was the time of year for the Symposium convenient? Yes • No

10. How would you describe the organization/logistics of the Symposium (e.g. registration, start and end times, hotel, food)?

• Excellent • Very Good • Good • Fair • Poor

Any comments regarding the organization or logistics of the Symposium?

To be on the mailing list for the future Symposium. Please give us your contact details.

Name: A.L. SOLAI Institution: A.J.C College of engineering
Email: Signature: [Signature]

Please hand over this completed form to the Symposium desk on your departure.

ATTESTED

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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.

EGSPEC Symposium - Evaluation form
Nagapattinam (Dt) Tamil Nadu.



E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS) Nagapattinam-611 002
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
Accredited by NAAC with 'A' Grade | An ISO 9001 : 2008 Certified Institution.



Department of Electronics And Communication Engineering
Spectacular Association of Real KnowledgeS (SPARKS)

Proudly Presents
"YANTRAA-2K18"

OBSERVATION REPORT

Symposium "YANTRAA-2K18"

Date: 17.02.2018

Beneficiaries: ECE Students

From the feedback analysis report, we concluded the following

1. The Most of the Participants know about the symposium through Brochure, Friends, Website.
2. Most value of the symposium: Speakers (Most of Participants)
3. Influenced to attend this symposium: Paper Publication (Most of the Participants)
4. Overall: Satisfied
5. Paper Revealing: Good
6. Circuit Hacking: Very Good
7. Technical Brain Teaser: Good
8. Project Carnival: Very Good
9. Treasure Hunt: Good
10. Tech Mime: Excellent
11. Materials : Agree
12. Recommendation to Friends : Very Likely
13. Overall Organization: Very Good

From the above Feedback Analysis Report By organizing this kind of symposium all the students can improve their teamwork ability, communication, management and finance. So the next academic year also we will conduct this kind of events.

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Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

THE HINDU

MONDAY, MARCH 5, 2018



INDIA'S NATIONAL NEWSPAPER SINCE 1878

Symposium at EGS Pillay Engineering College

Nagapattinam: The departments of electrical and electronics engineering, electronics and communication engineering, civil engineering, mechanical engineering, computer science engineering and information technology of EGS Pillay Engineering College here conducted symposiums named Calomics-18, Sriшти-18, Yantraa-2018, Mechi 'O' Fest 2018, Tekwizards-2018 and Technofest-2018 respectively here on Friday. National Institute of Technology-Karalkat assistant professor Madappa V R Sivasubramanian, GAIL India General Manager L Arumugam and Oil and Natural Gas Corporation Limited ONGC Deputy General Manager P Sivashanmugam were the chief guests. The college was established by the G. S. Pillay & Sons Educational & Charitable Trust in the year 1995. ENS

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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

- இந்திய நாளிதழ்களில் முதல் இடம் வகிக்கும் தமிழ் நாளிதழ் -தினத்தந்தி-

தீவாத்தந்தி

DAILY

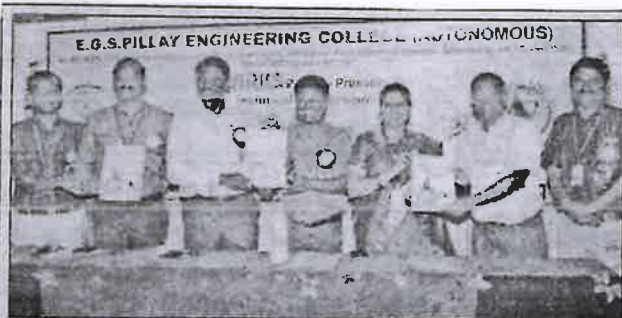


THANTHI

மார்ச் (26-2-2018) மலர் 76
இதழ் கிழமை இதழ் 117

வெல்க தமிழ்

ஹேவிளம்பி ஸ்ரீ மாகிம் 14 உ.
ஹிஜிரி 1439 ஜமாதுல் ஆகிர் 9



கருத்தரங்கம்

நாகப்பட்டினம், பிப்.26-
நாகை இ.ஜி.எஸ்.பிள்ளை
பொறியியல் கல்லூரியில்
தேசிய தொழில்நுட்ப
கருத்தரங்கம் நடைபெற்றது.
கருத்தரங்கிற்கு துறைத்
தலைவர் கோடீஸ்வரி தலை
மை தாங்கினார். கல்லூரி
செயலாளர் பரமேஸ் வரன்
முன்னிலை வகித்தார். ஒருங்கி
ணைப்பாளர் செந்தில்குமார்
வரவேற்றார். காரைக்கால்
காவேரி படுகை கெயில்

இந்தியா நிறுவனத்தின்
பொதுமேலாளர் ஆறுமுகம்,
முதன்மை மேலாளர்
செல்வகுமார் ஆகியோர்
கலந்து கொண்டு தொழில்
நுட்பம் பற்றி விளக்கி பேசினர்.
இதனையடுத்து எந்திரா 2018
சிறப்பு மலர் வெளியிடப்
பட்டது. இதில் பல்வேறு
பொறியியல் கல்லூரி
மாணவர்கள் கலந்துகொண்ட
னர்.
முடிவில் துணை பேராசிரியர்
செந்தில்குமார் நன்றி
கூறினார்.

ATTESTED

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

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

- இந்திய நாளிதழ்களில் முதல் இடம் வகிக்கும் தமிழ் நாளிதழ் -தினத்தந்தி-

தீனத்தந்தி

DAILY THANTHI



சனவரி (26-2-2018) மலர் 76
திங்கட்கிழமை இதழ் 117

வெஸ்க தமிழ்

தேவலிளம்பி ஓ. மரசிம் 1.
வலிஜரி 1439 ஜமாதுல் ஆபி



கருத்தரங்கம்

மாசுப்பட்டினம், பிப்ரவரி 26-
நாளை இலிளம்பிள்ளை
பொறியியல் கல்லூரியில்
தேசிய தொழில்நுட்ப
கருத்தரங்கம் நடைபெற்றது.
கருத்தரங்கிற்கு துறைத்
தலைவர் கோடீஸ்வரி தலை
மை தரங்களினார். கல்லூரி
செயலாளர், பரமேஸ் வரன்
முனவிலைவகித்தார். ஒருங்கி
ணைப்பாளர் செந்தில்குமார்
வரவேற்றார். காரைக்கால்
காவேரி படுகை கெயில்

இந்தியா நிறுவனத்தின்
பொருதுமேலாளர் ஆறுமுகம்,
முதன்மை மேலாளர்
செல்வகுமார் ஆகியோர்
கலந்து கொண்டு தொழில்
நுட்பம் பற்றி விளக்கி பேசினர்.
இதனையடுத்து ஏந்திரா 2018
சிறப்பு மலர் வெளியிடப்
பட்டது. இதில் பல்வேறு
பொறியியல் கல்லூரி
மாணவர்கள் கலந்துகொண்ட
னர்.
முடிவில் துணைப்பிராசிரியர்
செந்தில்குமார் நன்றி
கூறினார்.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College
Thethi, Nagore - 611 002.
Nadapaatinem (Dt) Tamil Nadu



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

Nagapattinam-611 002
(An ISO 9001-2008 Certified Institution)
Affiliated to Anna University, Chennai.



Department of
Electronics And Communication Engineering
SPECTACULAR ASSOCIATION OF REAL KNOWLEDGER S (SPARKS)

Proudly presents

YANTRAA-2k18

Expenditure Details

S. No	Description	Amount
1	Poster to other colleges	3,771/-
2	Reception and Decoration & Stationaries	9,493/-
3	Chief Guest honor	1,314/-
4	Events	15,930/-
5	Food and Snacks	54,300/-
6	Magazine, News Letter, Blood Donor data base, Flux, Newspaper, Certificates & Batches	9,075/-
7	Photo	3,000/-
Total		96,883/- 200

97 083

[Signature]
23/02/18
Coordinator

[Signature]
23/02/18
Association In-charge

ATTESTED
[Signature]
HoD
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002
Nagapattinam (Dt) Tamil Nadu.

[Signature]
14/3/18



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM
DEPARTMENT OF ECE
STUDENTS ASSOCIATION -SPARKS



ACADEMIC YEAR : 2017-2018


SEMESTER: EVEN

SNO	DETAILS	Amount per Student	Amount in Rupees
1.	Total Number of Students - 307	307*500	1,53,500
2.	Amount Collected as on 13.03.2018	-	1,30,800 ✓
3.	Amount will be collected from students		22,700 ✗
4.	Amount Collected From External Participants as Registration Fees	79*100	7,900

SNO	DETAILS		Amount in Rupees
1.	Total Amount	1,30,800+7900	1,38,700 ✓
2.	Total Expenditure For Yantraa - 2K18	96,883+200	97,083 ✓
3.	Balance Amount		41,617 ✓


13/03/18.
ASSOCIATION INCHARGE


13/3/18
HOD

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Tran Date	Value Date	Balance	Particulars	Cheque	Withdrawals	Deposits	Balance
18/02/2017	18/02/2017		By A/c BANK ACCOUNT 0486360			10,000.00	10,000.00
22/03/2017	22/03/2017		To To Clg VINAYAGA PAPE	00000001	71.88		9,928.12
24/03/2017	24/03/2017		To To Clg NELLAI PAPER	00000001	2,562.00		7,366.12
29/03/2017	29/03/2017		To To Clg RAJAXEROX	00000002	4,450.00		2,916.12
01/04/2017	01/04/2017		To MIN BALANCE PENALTY	00000004	340.00		2,576.12
01/04/2017	01/04/2017		To FOLIO CHARGES - 31-	379461901	1,725.00		851.12
04/2017	05/04/2017		By EGSPEC ECE DEPT EDU	380461901	34.50		816.62
04/2017	05/04/2017		To C MATHUVANESAN	00000001		1,350.00	2,166.62
04/2017	06/04/2017		To To Clg GNANASEKARAN	00000005	1,350.00		816.62
04/2017	06/04/2017		By EGSPEC ECE DEPT EDU	00000003	1,200.00		-383.38
07/2017	05/07/2017		To CC/OD FOLIO CHARGES	00000002		1,200.00	816.62
10/2017	06/10/2017		To CC/OD FOLIO CHARGES	00000000	35.40		781.22
11/2018	03/01/2018		To CC/OD FOLIO CHARGES	00000000	35.40		745.82
14/03/2018	14/03/2018		By Cash Deposit	00000000	35.40	41,617.00 /	42,362.82
							716.42

ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL

E.G.S. Pillay Engineering College
Thettni, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu



EGS PILLAY ENGINEERING COLLEGE

(AUTONOMOUS)

NAGAPATTINAM - 611 002

ACCREDITED BY NAAC WITH 'A' GRADE, ACCREDITED BY NBA (CSE, EEE AND MECH)

DEPARTMENT OF ELECTROICS AND COMMUNICATION ENGINEERING

(SPARKS)-Spectacular Association of Real KnowledgeS

proudly presents

YANTRAA - 2k18

Certificate

This is to certify that Mr/Ms From
..... has won (First/Second/Third Prize)
presented / participated in the event at
YANTRAA -2k18 National Level Technical Symposium held on 17th feb 2018.

ATTESTED

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

E.G.S. Pillay Engineering College
Thiruthi, Nagapattinam - 611 002.

Magistrate (Dr) Tamil Nadu.

Co - Ordinator

Convener

Principal



Praising and Crowning of Founder Chairman:

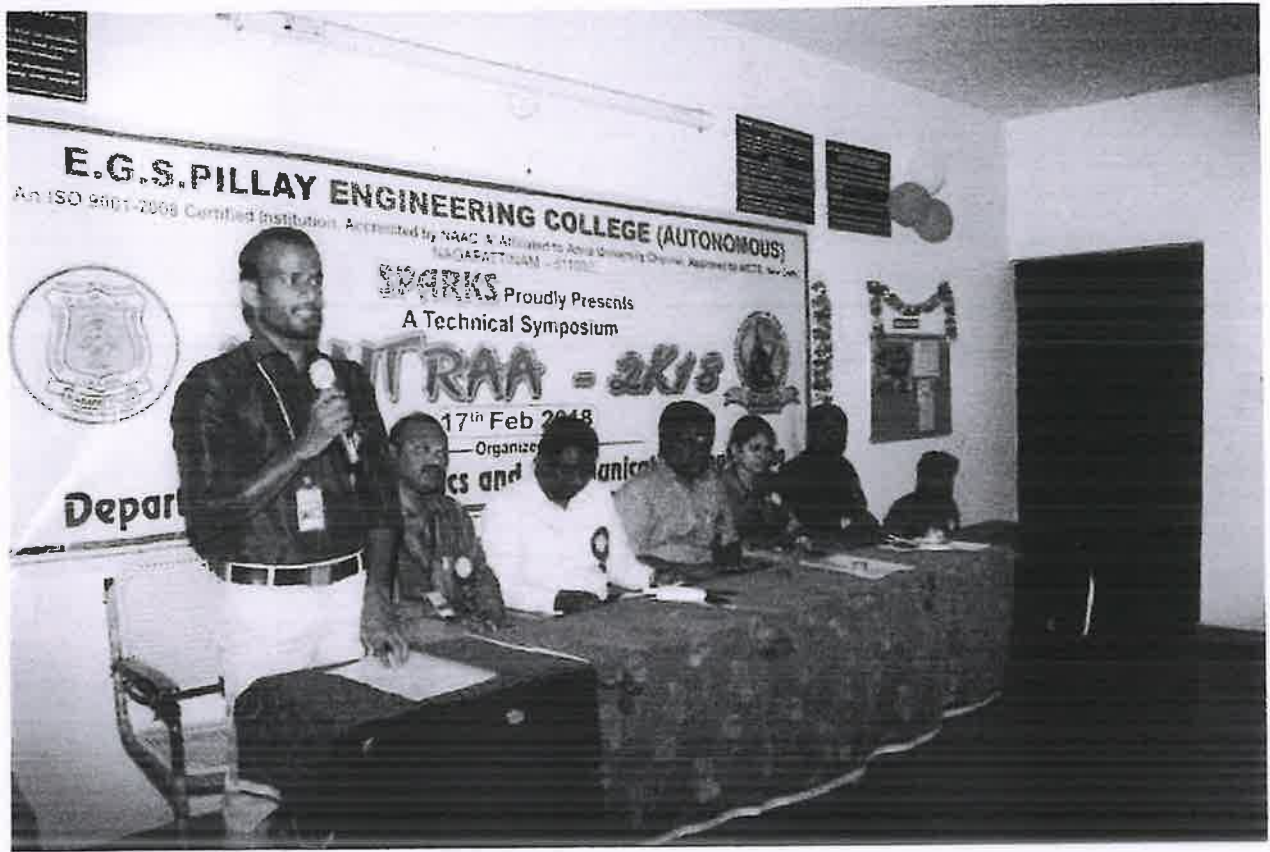


Registration:



Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

Welcome address:



Honoring the Chief Guest:



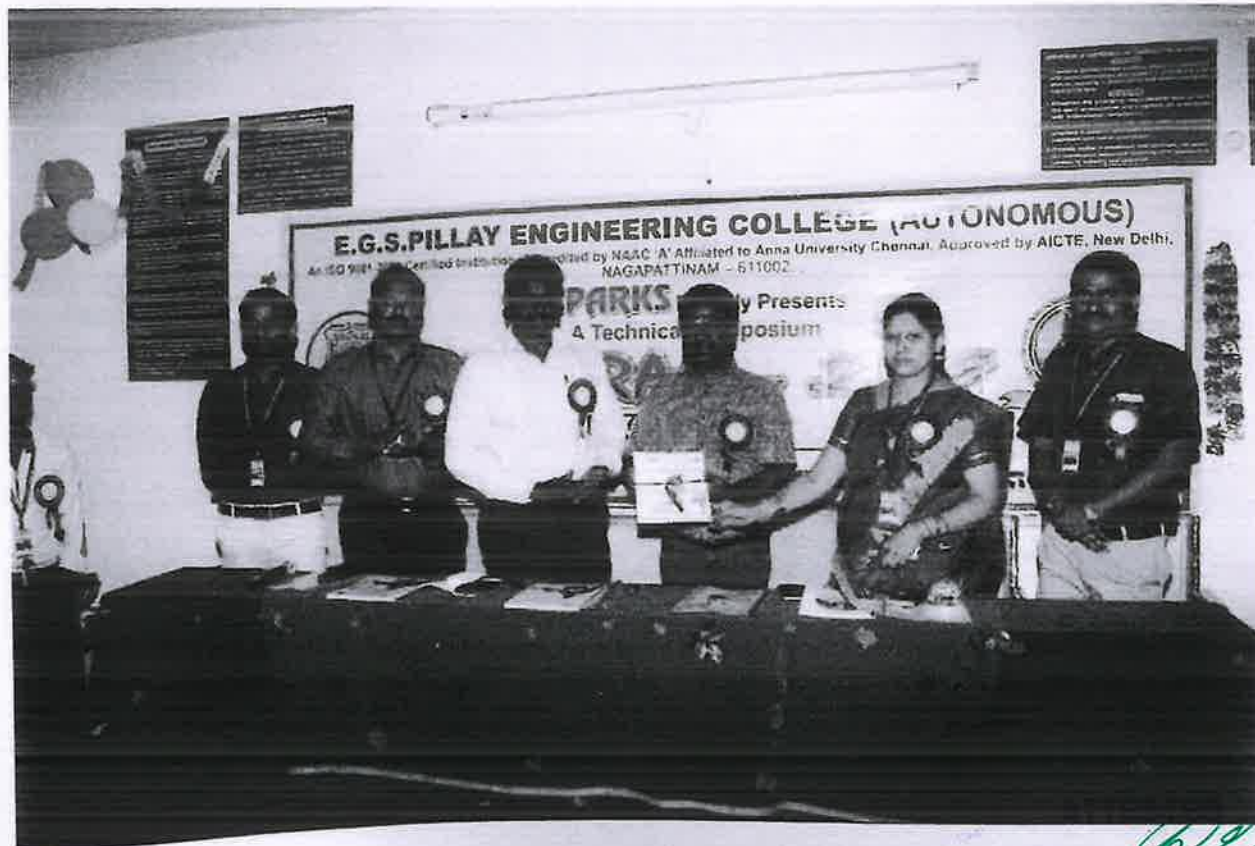
ATTESTED

Dr. S. R. ... LAN, M.T., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Nagapattinam - 611 002
Nagapattinam (Dt) Tamil Nadu.

Releasing of Magazine:



Releasing of Blood Donor's Data Base:



[Handwritten Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Threthi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Releasing of Newsletter:



Certificate distribution:



A. S. RAM
S. RAM
P
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