



P.S.R. ENGINEERING COLLEGE



An Autonomous Institution & Affiliated to Anna University, Chennai,
Accredited NAAC, NBA & Recognized Under 12(B) of the UGC Act, 1956
Sivakasi-626140, Virudhu Nagar District, Tamil Nadu.

NEWS LETTER

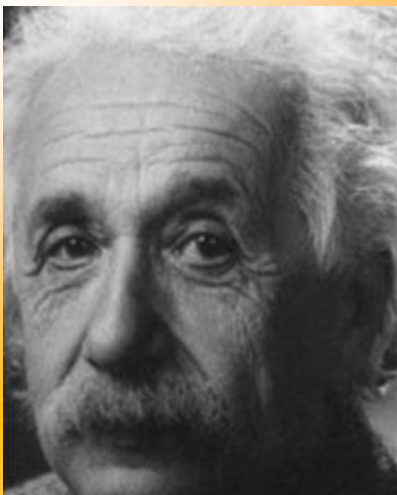
January-May 2016



Department of Electronics and Communication Engineering

Contents

- **Department Activities**
- **Faculty Corner**
- **Student Corner**
- **Placement Details**



Scientists investigate that which
already is; Engineers create that
which has never been.

— *Albert Einstein* —

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

INSTITUTION VISION

To contribute to the society through excellence in technical education with societal values and thus a valuable resource for industry and the humanity.

INSTITUTION MISSION

- To create an ambience for quality learning experience by providing sustained care and facilities.
- To offer higher level training encompassing both theory and practices with human and social values.
- To provide knowledge based services and professional skills to adapt tomorrow's technology and embedded global changes.

DEPARTMENT VISION

The vision of the Electronics and Communication Engineering Department is to produce graduates with sound knowledge for the betterment of society and to meet the dynamic demands of industry and research.

DEPARTMENT MISSION

- Offering under graduate and post graduate programs by providing effective and balanced curriculum and equip themselves to gear up to the ethical challenges awaiting them.
- Providing the technical, research and intellectual resources that will enable the students to have a successful career in the field of electronics and communication engineering.
- Providing need based training and professional skills to satisfy the needs of society and industry.

PROGRAMME OUTCOME(POs)

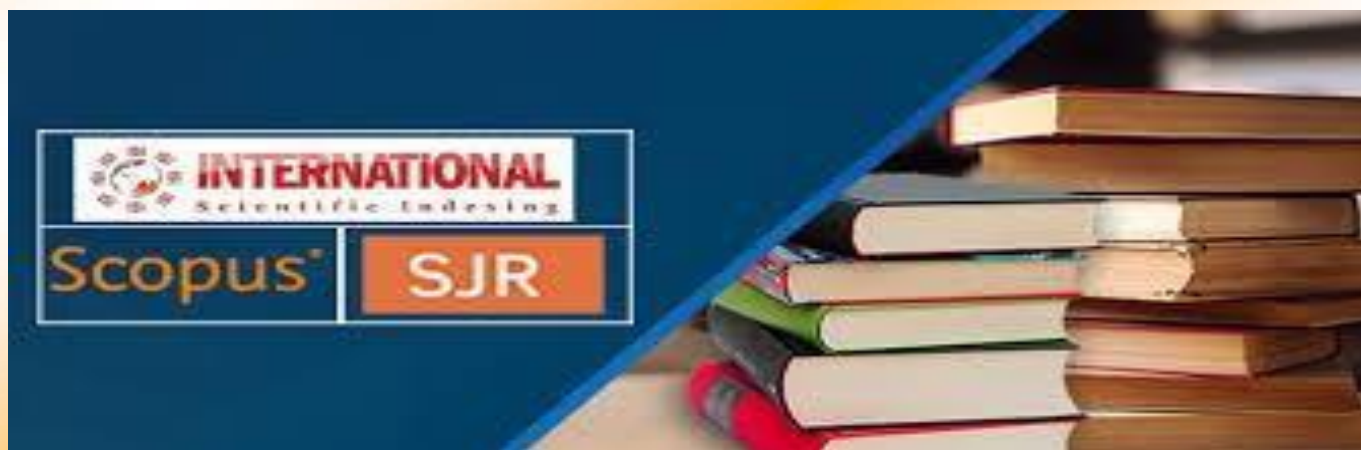
- Apply knowledge of mathematics, physical sciences and Electronics and Communication Engineering fundamentals.
- Able to identify, formulate, analyze and solve Electronics and Communication Engineering Problems.
- Able to design and realize Electronics and Communication systems to meet desired needs within practical constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
- Able to investigate and conduct experiments, as well as to analyze and interpret data.
- Use of techniques, skills, and modern engineering tools necessary for engineering practice.
- Contextual knowledge to assess societal, health, safety, legal and cultural issues related to Engineering.
- Realize the impact of Electronics and Communication engineering solutions in a global, economic and environmental context.
- Apply ethical principles and commitment to professional ethics and responsibility.
- Function as an individual and as a member or leader in multidisciplinary teams.
- Communicate effectively with the engineering community and society at large.
- Knowledge and understanding of management and business practices and their limitations.
- Recognize the need for, and have the ability to engage in life-long learning.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Design, simulate and analyze diverse problems in the field of telecommunication.
- Able to design and analyze varied electronic circuits for applications.
- Apply signal and image processing techniques to analyse a system for applications.
- Construct, test and evaluate an embedded system and control systems with real time constraints.

FACULTY CORNER

JOURNAL PUBLICATION



Title of paper	Name of the author/s	Name of the journal	Year of publication	ISSN number	Published in Scopus / UGC Listed Journals
Fuzzy C means integrated with spatial information and contrast enhancement for segmentation of MR brain images	Meena Prakash R R Shantha Selva Kumari	International Journal of Imaging systems and Technology	2016	0899-9457	Scopus
An intelligent approach for optimizing Energy consumption and Schedule length of Embedded multiprocessors	P.Ranjith Kumar Santhakumar K Palani S.	Journal of Intelligent and Fuzzy Systems	2016	1064-1246	Scopus
Design and Implementation of Adders using Novel Reversible Gates in Quantum Cellular Automata	A.Kamaraj, P.Marichamy, S.Karthiga Devi	Indian Journal of Science and Technology	2016	0974-6846	Scopus
Lagrangian-based state transition algorithm for tuning multivariable decentralised controller	Saravanakumar, G., Valarmathi, K., Iruthayarajan, M.W., Srinivasan, S.	International Journal of Advanced Intelligence Paradigms	2016	1755-0386	Scopus
Fast anisotropic filter based EM with spatial information for segmentation of noisy images	Meena Prakash R Shantha Selva Kumari R.	IIOAB Journal	2016	0976-3104	Scopus

HMM and Fuzzy Based Scheduling and Resource Allocation for Downlink	K Valarmathi	Asian Journal of Information Technology	2016	1682-3915	Scopus
---	--------------	---	------	-----------	--------

INTERNATIONAL CONFERENCE PUBLICATIONS



S.No.	Name of the teacher	Title of the paper	Name of the conference	Year of publication
1	Ranjithkumar.P	Bee colony based sequential & parallel task scheduling in cloud environment	IEEE International conference on computing technologies and Intelligent data engineering	2016
2	P. Marichamy	FPGA based filters for EEG pre-processing	Second International Conference on Science Technology Engineering and Management (ICONSTEM)	2016
3	P. Marichamy	P300 event detection using feature extraction technique in FPGA	Online International Conference on Green Engineering and Technologies (IC-GET)	2016
4	Mathina.P.A	Brain Tumor Detection using Various Methods	International conference on Engineering Innovations and solutions	2016

5	K.Valarmathi	Support vector regression for Hammerstein-Wiener model identification	International Conference on Computing Technologies and Intelligent Data Engineering, ICCTIDE 2016(Scopus)	2016
---	--------------	---	---	------

NATIONAL CONFERENCE PUBLICATIONS

S.No.	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Year of publication
1	BalaSubramanian S	Splat Based Hemorrhage And Blood Vessel Segmentation In Retinal Fundus Images	National Conference on Emerging Communication Trends(NCECT'16)	2016
2	Ramar C K	An Automatic Motor On/Off and Monitoring the Irrigation Process	National Conference on Emerging Communication Trends(NCECT'16)	2016
3	Lingeswari P	Regional Environmental Monitoring and Detection System using GSM	National Conference on Emerging Communication Trends(NCECT'16)	2016
4	Abarna S	Automatic E-vehicle recharge system	National Conference on Emerging Communication Trends(NCECT'16)	2016
5	Valarmathi K	IOT based vibration sensing with rasperry PI	National Conference on Emerging Communication Trends(NCECT'16)	2016
6	Balakumar R	Security system for base transmission station using Raspberry Pi	National Conference on Emerging Communication Trends(NCECT'16)	2016
7	Ramalakshmi K	Content Based Image Retrivel Using Curvelet and Wavelet Transform	National Conference on Emerging Communication Trends(NCECT'16)	2016
8	Vimala M	Monitoring and Controlling the Patients Using Zigbee	National Conference on Emerging Communication Trends(NCECT'16)	2016
9	Sudha R	Ivrs Based Automatic Announcement System For Vehicle	National Conference on Emerging Communication Trends(NCECT'16)	2016
10	Valarmathi K	Automatic System To Totally Avoid Accident In Fire Works Using Raspberry Pi	National Conference on Emerging Communication Trends(NCECT'16)	2016
11	Ranjithkumar P	Air Packed Balloon Robot for Crowd Disaster Management	National Conference on Emerging Communication Trends(NCECT'16)	2016

12	Ramar C K	Amplify and Forward Relay Network Improves the Security-Reliability Trade-off in Cognitive Radio Systems	National Conference on Emerging Communication Trends(NCECT'16)	2016
13	Mathina P A	Multiregion Image Segmentation Using Various Method	National Conference on Emerging Communication Trends(NCECT'16)	2016
14	P. Marichamy	Energy-Efficient Resource Allocation in LTE-Based MIMO-OFDMA System	National Conference on Emerging Communication Trends(NCECT'16)	2016
15	K.Valarmathi	Intelligent Techniques for Fault Detection And Classification In Gearbox	National Conference on Emerging Communication Trends(NCECT'16)	2016
16	Ranjithkumar.P	Bee colony based sequential & parallel task scheduling in cloud environment	National Conference on Emerging Communication Trends(NCECT'16)	2016



INTRA\INTER-INSTITUTE EVENTS (WINNING PRIZE) – 2016

Date of the Event	Name of the Event	Conducted by	Name of the Students Participated	Prizes Won
12/02/2016	Project Contest	Mechanical Engineering Association PSR Engineering College Sivakasi "RESILIENCE'15"	S.Jeyashree	I
19/02/2016	Dance Competition	GVN Arts And Science Kovilpatti	K.Muthumanilakshmi	III
			K.Gurulakshmi	III

PLACEMENT DETAILS

Our IV Year ECE students were placed in various companies.

Serial No	Name of the student	Name of the Company
1	Ms.S.Thivya	TECH MAHENDRA
2	B.Priyanka	VEE TECHNOLOGIES
3	S.Suganthi	VEE TECHNOLOGIES
4	G.Durga.	VEE TECHNOLOGIES
5	S. Jeya Siva Sakthi	VINAYAK INFOTECH
6	R.Arul Babu	IDBI
7	M.Anitha	IDBI
8	R.Abinaya.	IDBI
9	R.Gayathri	IDBI
10	P.Dhivya	IDBI
11	G.Durga	IDBI
12	S.Muthumari	IDBI
13	P. Vijaykumar	IDBI
14	S.Leela Soundharyaa	IDBI
15	S.Dhebika	IDBI
16	R.S.Prem Kumar	TNQ
17	S.Dhebika	TNQ
18	K.Deepa	TNQ
19	R.Abinaya	TNQ
20	R.Gayathri	TNQ
21	A.Karthika	TNQ
22	S.Jasmine Jeba Selvi	TNQ
23	S.Saba	TNQ
24	C.Shalom Grace	TNQ
25	V. Preeth Vaishnavi.	TNQ
26	S.Sivaramathilagar	JSK
27	S.Stanley Siddharth	JSK
28	P.Vinothkumar	JSK
29	R.Arulbabu	JSK
30	P.Balaji Prabhu	JSK
31	S.Nivedha Sree	Lexis Solutions
32	A.Sonica Shree	Lexis Solutions
33	C.Shalom Grace	Lexis Solutions
34	Santhanamari.K	Lexis Solutions
35	T. Brindha	Zealous
36	S.Nivedha Sree	Zealous
37	M.Muthu Lakshmi	Zealous
38	S.Abinaya	Zealous

39	P. Suganya	Zealous
40	B.Karthika	Zealous
41	B.Gayathri	Zealous
42	K. Deepa	Zealous
43	S.Saba	Zealous
44	B. Priyanka	Zealous
45	S. D. Anusha@ Nachiyar	Zealous