



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

## NEWS LETTER (JULY To DECEMBER 2021)

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### About the Department ...

The Department of Electronics and Communication Engineering was established in the year 2011 with an intake of 60 undergraduate students. Since then, the department has come a long way and is now regarded as one of the premiere departments of the institution with an intake of 120 undergraduate students and 18 post graduate students per year.

It is equipped with outstanding infrastructure and boasts of a unit of 26 young and dynamic faculty members and sincere staff who work with zeal and enthusiasm to provide a vibrant and optimum learning environment to the students and help them acquire the skills which are required to excel in today's competitive environment.

The Department has four recognized research guides under Anna University, Chennai. At present ten internal research candidates and two external research candidates are pursuing their Ph.D. program under the Department of Electronics and Communication Engineering. The department believes in serious academic pursuit and encourages radical and original thinking which paves the way for creativity and innovative ideas. The qualities inculcated into the students make them not only good engineers but good human beings also. The excellent placement record which has been consistently above 80 % for the past several years, alone of our students is ample testimony to the emphasis that has been placed on the industrial needs of our country.

[www.ssmiet.ac.in](http://www.ssmiet.ac.in)

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#### EXECUTIVE COMMITTEE

##### Convenors

**Dr. D. SENTHIL KUMARAN**  
Principal

**Dr. S. KARTHIGAI LAKSHMI**  
Professor & Head.

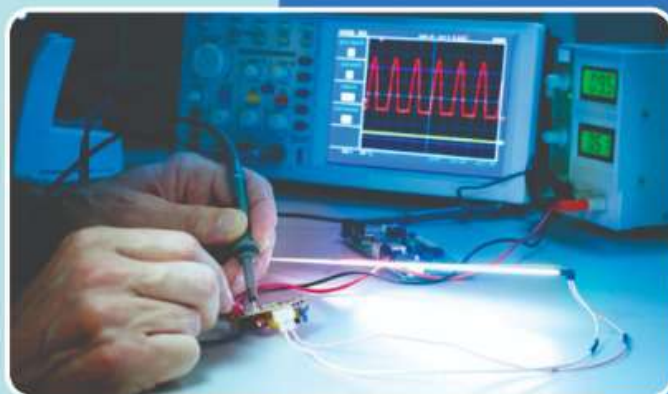
##### Editorial Board

**Mr. R. CAROL PRAVEEN**, AP/ECE  
**Ms. R. SANGEETHA**, AP/ECE

##### Student Members

**FATHIMA J** (Final Year)  
**HARITHA N** (Final Year)  
**AKILESH S** (Third Year)  
**SUJAN P** (Third Year)  
**VEDHA R** (Third Year)  
**AARTHY K P** (Second Year)

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## Vision :

To empower students with essential skills in engineering by imparting in-depth conceptual knowledge in Electronics and Communication Engineering domain to meet technological excellence, professional commitment, and social responsibility.

## Mission

- To equip students with current trends and latest technologies in the field of Electronics and Communication Engineering through innovation in learning, research, and state of the art laboratories.
- To establish a conducive environment for the students to develop professionalism, leadership qualities, and entrepreneurial skills with high ethical standards for self and social development.
- To equip students to provide appropriate solutions with their conceptual knowledge to address societal needs.

## EVENTS ORGANISED

S.No	Date of the Event	Name of the Event	Name of the Faculty (Co-Ordinator)	Resource Person / Chair Person
1	15.12.2021	Java Programming	Mr.R.Senthilkumar Mrs.A.Geetha	Mr.A.M.Sasikumar, PSI Education
2	17.12.2021	Problem solving and ideation workshop	Dr.K.Vinoth Kumar	Mr.S.Karthikeyan Enthu Technology, Coimbatore
3	18.12.2021	OrCAD – PCB Editor	Mr.K.S.Arun Kumar Mr.R.Carol Praveen	Mr.V.A.Hariharasudhan

### BEST RESEARCHER AWARD

Mr. R.Carol Praveen received Best Researcher Award from International Research Awards organized by Science Father

## RESOURCE PERSONS FOR TECHNICAL EVENTS

S.No	Faculty Name	Name of the Program	College Name with address	Event Type	Number of Days
1	Dr. K. Vinoth Kumar	Adhoc and Sensor Networks	University College of Engineering Tiruchirappalli	Guest Lecture	1
2	M. Premkumar	International Conference on Innovation and Application in Science & Technology	Galgotias College of Engineering and Technology, Greater Noida	Session Chair	1

## FDP DETAILS

S.No	Name of the Student	Name of the Program	College Name with address	Number of Days
1	Jay Fantin. V. P	Embedded System Design Methodologies using Intel FPGA"	Velammal College of Engineering and Technology, Madurai	3
2	Geetha. A	Five days Faculty Development Program on "RF Applications using RFSoc Devices	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai.	5
3	Geetha .A	One Week Online Faculty Development Programme on "Recent Innovative Trends in Biomedical Engineering and Technology"	Mepco Schlenk Engineering College (Autonomous) Sivakasi	5
4	Karthik .S	Embedded System Design Methodologies using Intel FPGA"	Velammal College of Engineering and Technology	3
5	Sangeetha .R	Recent Innovative Trends in Biomedical Engineering and Technology	MEPCO Schlenk Engineering College (Autonomous) ,Sivakasi	5
6	Rajesh .K	ORIENTATION / REFRESHER PROGRAM ON 'Machine Learning in Bio Medical Engineering	R.M.K engineering college, Kavaraipeitai, TN	7
7	Premkumar .M	Societal Applications of AI, Blockchain, and IoT	Shri Vishnu Engineering College for Women, Bhimavaram, Andhra Pradesh	5
8	Sangeetha .R	Adoptive Approaches for Modern Teaching and Research	SNMV College of Arts and Science Institute of Management	8



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## JOURNAL PUBLISHED DETAILS

S.No	Authors Name	Title of the Paper	Journal	ISSN Number	Indexing Details
1	Carol Praveen R	An effective brain tumor detection system using extended linear boosting classification algorithm IETE journal of Research	IETE journal of Research	0377-2063	SCI/SCIE/ ESCI, Scopus, Google Scholar
2	Premkumar M Jeevanantham V	Design of cost-effective real time tremor alerting system for patients of neurodegenerative diseases	Elsevier	2214-7853	SCI/SCIE/ ESCI, Scopus, Google Scholar
3	Premkumar M Jeevanantham V	Emotion identification by dynamic entropy and ensemble learning from electroencephalogram signals	Wiley Publishers	1098-1098	SCI/SCIE/ ESCI, Scopus, UGC, Google Scholar
4	Premkumar M	Dynamic uneven clustering protocol for efficient energy management in EH-WSNs	Elsevier	2214-7853	SCI/SCIE/ ESCI, Scopus, Google Scholar
5	Premkumar M Jeevanantham V	Design of an EEG-based transceiver with data decomposition for loHT applications	IEEE	2768-0673	Scopus, UGC, Google Scholar

## STTP DETAIL

Faculty Name	Name of the Program	College Name with address	Number of Days
Premkumar M	TECHNOLOGY ENABLERS FOR SMART MANUFACTURING USING INDUSTRY 4.0	Nitte Meenakshi Institute of Technology, Bangalore	5