

NEWS LETTER (JULY TO DECEMBER 2022)

**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.

VOLUME:6,ISSUE:1

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DIVYA N (SECOND YEAR)

Department of
Electronics and Communication Engineering
SSM Institute of Engineering & Technology,
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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.

Technology Teaching:

1. Technical Talk under the title “Post COVID Management and Technical Careers for ECE Engineers” on 27.10.2022 (Thursday) in seminar hall 3 at 11.00 am for III, IV-year UG and I year PG Students of ECE department

Coordinators: Mr. M. Manikandan, AP/ECE and Mrs. S.Keerthana, AP/ECE



2. Technical Talk under the title “Digital Technology” followed by special interaction with final year students on 16.11.2022 (Wednesday) in seminar hall 1 at 10.00 am to 12.40 pm for IV-year UG Students of ECE department.

Coordinators: Dr. K. Rajesh, ASP/ECE and Mrs. S.Keerthana, AP/ECE



3. Technical Talk under the title “Robotics Application and Start-up” on 03.12.2022 (Saturday) in seminar hall 1 at 10.00 am to 12.40 pm for II-year UG Students of ECE department

Coordinators: Mr. M. Manikandan, AP/ECE and Mrs. S.Keerthana, AP/ECE



FDP/STTP Details:

s.no	Faculty name	Name of the program	Funding agency	College name	No.of days	Start date	End date
1.	Jeyalakshmi.M	National One Week Faculty Development Program(online) on Recent Trends in VLSI and Nano Electronics	Nil	SreeVidyanikethan Engineering College (Autonomous), Tirupati, Andhra Pradesh, India.	6	4/7/2022	9/7/2022
2.	Jay Fantin V P	EC8791 - Embedded and Real Time Systems	Anna University	PSNA College of Engineering and Technology	6	4/7/2022	9/7/2022
3.	Sangeetha R	Fundamentals of Electronic Device Fabrication	AICTE	Online	20	3/7/2022	31/8/2022
4.	Sangeetha R	Accreditation and Outcome Based Learning	AICTE	NPTEL	8	14/8/2022	22/8/2022
5.	Jay Fantin V P	VLSI Design & Nano Electronics: Emerging Challenges and Opportunities	MeitY	IIIT, Design and Manufacturing; Jabalpur	8	1/9/2022	8/9/2022
6.	Divya.K	Big data and machine learning	MeitY	Centre for Development of Advanced Computing	1	31/10/2022	31/10/2022
7.	Karthika P	Inculcating universal human value in technical education	AICTE	AICTE	5	31/10/2022	4/11/2022
8.	Rajesh. K	5 day FDP on Inculcating Universal Human values in technical education	AICTE	AICTE	5	31/10/2022	4/11/2022
9.	Divya K	HelathcareInfomatics	Nil	Study well engineering college	1	1/11/2022	1/11/2022
10.	Rajarajeshwari .G	One Week National Level Online Faculty Development Program on Recent Trends in Artificial Intelligence and Cyber Security	Nil	Shri Vishnu Engineering College for Women (A), Bhimavaram	5	1/11/2022	5/11/2022
11.	Premkumar M	Recent Trends in Artificial Intelligence and Cyber Security	Nil	Shri Vishnu Engineering College for Women (A), Bhimavaram	5	1/11/2022	5/11/2022

12.	Divya.K	One Week National Level Online Faculty Development Program on Recent Trends in Artificial Intelligence and Cyber Security	Nil	Shri Vishnu Engineering college for Women	5	1/11/2022	5/11/2022
13.	Keerthana S	Online Short-Term Course on Artificial Intelligence Machine Learning and Deep Learning	CCE	National Institute of Technology Warangal	5	28/11/2022	2/12/2022
14.	Carol Praveen R	Digital Image Processing	Nil	Sreenivasa Institute of Technology And Management Studies	5	5/12/2022	9/12/2022
15.	Geetha A	Recent trends on Digital image processing techniques	Nil	Sreenivasa Institute of Technology And Management Studies	5	5/12/2022	9/12/2022
16.	Senthil Kumar R	Digital Image Processing Techniques	Nil	Sreenivasa Institute of Technology And Management Studies	5	5/12/2022	9/12/2022
17.	Vetrimanikumar.J	Recent trends on "Digital Image Processing Techniques"	Nil	Sreenivasa Institute of Technology And Management Studies	5	5/12/2022	9/12/2022
18.	Karthika P	AICTE Recognized FDP	NITTTR	NITTTR, Chandigarh	5	5/12/2022	9/12/2022
19.	Divya K	Recent Advances in Robotics and Automations	CSIR	Sri Krishna College of Engineering and Technology	2	8/12/2022	9/12/2022
20.	Vetrimanikumar.J	Recent Advances in Robotics and Automation	Nil	Sri Krishna College of Engineering and Technology	2	8/12/2022	9/12/2022
21.	Geetha A	Recent Advances in robotics and Automation	Nil	Sri Krishna College of Engineering and Technology	2	8/12/2022	9/12/2022
22.	Ganapriya.K	Societal Applications of Machine Learning	AICTE	Shri Vishnu Engineering College for Women, Bhimavaram	5	26/12/2022	30/12/2022

Conference Publication Details:

S.No	Authors Name	Title of the Paper	Conference Name	College Name	Date
1	Carol Praveen R	Automated Classification of MRI brain Images	ICPECTS 22	SRI SAIRAM ENGINEERING COLLEGE	8/12/22 to 9/12/22

Journal Publication Details:

S.no	Authors Name	Title of the Paper	Journal	Date	ISSN Number	Indexing Details
1.	Karthigai Lakshmi S	Brain cancer analysis using deep learning architecture on MRI brain image	International Journal of Medical Engineering and Informatics	01-07-22	1303-5150	Google Scholar
2.	Jayakumar S	A Wearable low Profile asymmetrical slotted ultrawide band antenna for WBAN applications	EURASIP Journal on Wireless Communications and Networking	18-10-22	1687-1499	SCI/SCIE/ESCI, Scopus, UGC, Google Scholar
3.	Premkumar M	Security behavior analysis in web of things smart environments using deep belief networks	International Journal of Intelligent Networks	26-10-22	2666-6030	SCI/SCIE/ESCI, Scopus, Google Scholar
4.	Vinoth Kumar K	Novel Selective Mapping with Oppositional Hosted Cuckoo Optimization Algorithm for PAPR Reduction in 5G UFMC Systems	Tehnički vjesnik	01-11-22	1330-3651	SCI/SCIE/ESCI, Scopus, Google Scholar
5.	Ganapriya K	Enhanced Deep Learning Algorithm for Tumour Prediction	Advanced Engineering Science	22-11-22	2096-3246	Scopus

Events Organized:

S. no	Activity	Date	Name of the faculty (co-ordinator)	Chef guest/resource person/chair person	Number of participants
1	WORKSHOP ON "INTERNET OF THINGS"	03.09.2022	Dr.M.JEYALAKSHMI.,AsP/ECE Dr.K.GANAPRIYA.,AP/ECE	Vignesh Kumran ,R&D Engineer, Pantech, Coimbatore	114 students of ECE /SSMIET
2	SEMINAR ON "AWARENESS IN AZURE CLOUD COMPUTING"	15.11.2022	Dr.M.Premkumar.,Asp/ECE Mrs.A.Geetha.,AP/ECE	Mr.Arif Mohamed khan, Founder of Tarcin Robotics, Madurai.	108 students of ECE /SSMIET