



SSMIET

Department of Electronics and Communication Engineering

News Letter **(January To June 2025)**

EXECUTIVE COMMITTEE

CONVENORS

Dr.D.Senthilkumaran, Principal

Dr.S.Karthigai Lakshmi, Professor & Head.

EDITORIAL BOARD

Mrs.K.Moniga, Assistant Professor.

STUDENT MEMBERS

Divya N (Final Year)

Priya M (Final Year)

Lakshitha Sri B (Third Year)

Nesa Sheeba J (Third Year)

Viji M (Second Year)

Narmada T (Second Year)

**Department of Electronics and
Communication Engineering
SSM Institute of Engineering & Technology,
Sindalagundu Post,
Dindigul- 624002.
Tamilnadu
hodecessmiet@gmail.com**

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.

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.

Inaugural Ceremony- Association

RESNOVAE 2k25 - Chief Guest: Mr.P.Balaji, M.E., Senior Development Manager, Virtual Tech Service, Ambattur, Chennai – 24.04.2025.





Training Programmes for Students - Technology Teaching

S.No	Name of the Activity	Year	Venue	Expert's Detail (Name, Company Name & Place)	Date/Duration
1	Full Stack Development	IV	Networks Lab	Mr.Jeejoe Vedharaj, Silicon software services, Madurai	27.01.2025 to 08.02.2025
2	Java Programming	IV,III	DSP Lab	Mr.Balamurugan & Mr.Sunil, Technical Trainers, Codetantra, Telungana.	24.03.2025 to 29.03.2025

Industrial Visits

S.No.	Name of the Industry	Place	Year (Students)	Department	Date/Duration
1.	Kerala Electrical & Allied Engineering Co. Ltd.,Kerala.	Kochi	II	ECE	12.04.2025 & 13.04.2025



II year ECE students and faculties visited **Kerala Electrical & Allied Eng.Co,Ltd, Kerala** on 12-04-2025.



Faculty Trip to **Kodaikanal** 29.03.2025

Students Activities

Paper Presentation

S.No	Name of the Student	Year	Dept.	Program Details	Place	Date/Duration
1.	Shiyam B	III	ECE	ACUMEN'25	Kongu Engineering College	04.03.2025
2.	Tameem Ansar H	II	ECE	ACUMEN'25	Kongu Engineering College	04.03.2025
3.	Sudharsan R	II	ECE	ACUMEN'25	Kongu Engineering College	04.03.2025
4.	Narmatha T	II	ECE	ACUMEN'25	Kongu Engineering College	04.03.2025
5.	Shree Varshini K.D	II	ECE	Star Tech Expo , Zero Gravity Games	Kamaraj College Of Engineering And Technology	06.03.2025
6.	Soniya Flora S	III	ECE	Papertrix	Kongu Engineering College	10.03.2025
7.	Santhana Renganayagi K	III	ECE	Papertrix	Kongu Engineering College	10.03.2025
8.	S. Sowmiya Varthini	III	ECE	Papertrix	Kongu Engineering College	10.03.2025

Students Achievements (Co and Extra Curricular)

S. No	Name of the Student	Year	Dept.	Description	Venue	Date	Prize
1.	Dharini Sri K	III	ECE	Think Link	NPR College of Engineering and Technology	20.02.2025	First Prize
2.	Shree Varshini K.D	II	ECE	Robot Fire	NPR College Of Engineering And Technology	20.02.2025	Second Prize
3.	Jinetta Shree G J	III	ECE	Think Link	NPR College Of Engineering And Technology	20.02.2025	First Prize
4.	Jinetta Shree G J	III	ECE	Robot Fire	NPR College Of Engineering And Technology	20.02.2025	Third Prize
5.	Dharini Sri K	III	ECE	Robot Fire	NPR College Of Engineering And Technology	20.02.2025	Third Prize
6.	Jinetta Shree G J	III	ECE	Signal Sync	Kamaraj College Of Engineering And Technology	06.03.2025	Third Prize
7.	Dharini Sri K	III	ECE	Signal Sync	Kamaraj College Of Engineering And Technology	06.03.2025	Third Prize

8.	Shree Varshini K.D	II	ECE	Cosmic Canvas	Kamaraj College Of Engineering And Technology	06.03.2025	Second Prize
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Workshops

S. No	Name Of The Student	Event Name	Date	Name Of The Organizing Institute	Awards
1.	Yohes Kumar G	Workshop	01.02.2025	Bannari Amman Institute of Technology	Participated
2.	Sruthy N	Workshop	06.02.2025- 09.02.2025	NIT Trichy	Participated
3.	Upasnasree S	Workshop (Procompanion)	06.02.2025- 09.02.2025	NIT Trichy	Participated
4.	Upasnasree S	Workshop (Memory Making)	06.02.2025- 09.02.2025	NIT Trichy	Participated
5.	Subhageetha K	Workshop	22.02.2025- 23.02.2025	IIT- Madras	Participated
6.	Somiya Varthini S	Workshop	22.02.2025- 23.02.2025	IIT- Madras	Participated
7.	Tameem Ansar H	Workshop	22.02.2025	TCE	Participated
8.	Sudharsan R	Workshop	22.02.2025	TCE	Participated

Implant Training /Internship

S.No	Name Of The Student	Event Name	Date	Name Of The Organizing Institute	Awards
1.	Shri Sadha J	Internship	03.02.2025- 14.02.2025	Karaka e DRIVES	Participated
2.	Santhiya S	Embedded Systems	06.02.2025 – 11.02.2025	Spot Light	Completed
3.	Clement S	Internship	07.02.2025- 13.02.2025	KELTRON	Participated
4.	Suriya Kumaran H	Internship	07.02.2025- 13.02.2025	KELTRON	Participated
5.	Vishnu Prasanth A	Internship	07.02.2025- 13.02.2025	KELTRON	Participated

6.	Gershon S	Internship	07.02.2025- 13.02.2025	KELTRON	Participated
7.	Francis Maria Ruban P	Internship	07.02.2025- 13.02.2025	KELTRON	Participated

Courses

S.No	Name Of The Student	Event Name	Date	Name Of The Organizing Institute	Awards
1.	Yuvasri Selvaraj	PYTHON PROGRAMMING	06.02.2025	TUTORIAL POINT	COMPLETED
2.	Thirisha T	PYTHON PROGRAMMING	07.02.2025	TUTORIAL POINT	COMPLETED
3.	Shree Varshini K.D	YOI ROBOTICS	23.02.2025	NIT TRICHY	COMPLETED

INTRA-INSTITUTE EVENTS		
S.No	EVENTS	NAME OF THE STUDENTS
1	Vocal Singing(2 nd prize)	Suriya kumaran H
2	Poster Presentation	Vishnu Prasath A
3	4*100 Relay(2 nd position)	Upasana shree.S
4	4*200 Relay(3 rd position)	Upasana shree.S
5	Elocution(English)(1 st prize)	Upasana shree.S
6	Paper Presentation(2 nd prize)	Upasana shree.S
7	Project Expo	Subha Geetha K
8	Workshop on “design thinking to product development”	Subha Geetha K
9	Science Project Competition(3 rd prize)	Subha Geetha K
10	Project Expo	Santhana Renganayagi K
11	Project Expo	Soniya Flora S
12	Project Expo	Sowmiya Varthini
13	Ideations	Shrishadha J

14	Workshop on data science using python	Shiyam B
15	IPL Auction	Yogesh K
16	Automotive embedded system using CANoE	Narmatha T

AY 2024-2025

INTERNSHIP DETAILS

S. no	Name of the student placed	Enrollment no.	Name of the Employer	Date of Joining
1	Kishore.M	922121106033	Maxmoc Motor Works India PvtLtd	20.01.2025
2	Balasubhanu.B	922121106701	Zidio Development	25.01.2025
3	Suga priya P	922121106098	SLUSBY TECHNOLOGIES PRIVATE LIMITED	03.02.2025
4	Swetha S	922121106100	SLUSBY TECHNOLOGIES PRIVATE LIMITED	03.02.2025
5	Keerthana.U	922121106029	TAP ACADEMY	03.02.2025
6	Lakshmi Priya P	922121106035	TAP ACADEMY	03.02.2025
7	Naveena N	922121106058	TAP ACADEMY	03.02.2025
8	VishnuPriya R	922121106111	TAP ACADEMY	03.02.2025
9	Sivasankari K	922121106090	TAP ACADEMY	03.02.2025
10	Nagapriya S	922121106056	TAP ACADEMY	03.02.2025
11	Manasvini S A	922121106043	TAP ACADEMY	03.02.2025

Placement:

S.No	Student Name	Company Details
1	Sugapriya P	SLUSBY TECHNOLOGIES PRIVATE LIMITED
2	Swetha S	SLUSBY TECHNOLOGIES PRIVATE LIMITED,VINTORIX
3	Prasanna.P	SARVA VIDHYA SOLUTIONS
4	Kamatchi Velan.M	
5	Keerthana.U	TAP ACADEMY
6	Lakshmi Priya P	
7	NaveenaN	
8	Vishnu Priya R	SLUSBY TECHNOLOGIES PRIVATE LIMITED,TAP ACADEMY,MENTOR BRIDGE
9	Sivasankari K	TAP ACADEMY,VIRTUOSPARK,MENTORBRIDGE

10	Nagapriya S	TAP ACADEMY,MENTORBRIDGE
11	Manasvini S A	FOXCONN,TAP ACADEMY
12	Priya Lakshimi M	FOXCONN,TIMKEN
13	Priya M	FOXCONN
14	Kalpana S	
15	Swetha M	
16	Divya sree S	
17	Yuvasri M	
18	Nagapriya S	FOXCONN,MENTORBRIDGE,FRIGATE
19	Srisruthi S	FOXCONN
20	Subha N	FOXCONN,TIMKEN
21	Sathyadevi B	FOXCONN
22	Varnigadevi K	FOXCONN
23	Sai Aishwarya G T	FOXCONN,TIMKEN
24	Dhivya Dharshini B	FOXCONN
25	Farhath Naseem J	
26	Latha K	
27	Kiruthiga M	
28	Kajal Krishna C	
29	Aarthi A.M	
30	Angel Paulina .B	
31	Valarmathi P	
32	Maria Christy J	
33	Subhashini N	
34	Santhi A	FOXCONN,TIMKEN
35	Varsha M	
36	Sabitha Jones M	
37	Sanjitha Fathima S	
38	Sasmitha Shree M	
39	Preethi H	FOXCONN
40	Priyadharshini C M	FOXCONN
41	Divyadharshini.K	NICE EDUCATION,MENTORBRIDGE
42	Kiran Chellaperumal.G	NICE EDUCATION
43	Amalarani S	TIMKEN
44	Subash Natarayan R	MENTORBRIDGE,FRIGATE
45	Prasanna.P	MENTORBRIDGE,FRIGATE
46	Shreenithi. K	MENTORBRIDGE
47	Vikashini.K	
48	Robin J J	
49	Balakrishnan S	MENTORBRIDGE,FRIGATE
50	Almas Marjiya S	VIRTUOSPARK
51	Mohana Priya S	VIRTUOSPARK

Sports:

ECE Department recorded the **maximum student participation** in sports events, showcasing their enthusiasm and team spirit.



College Day:



ECE Department emerges as the **Overall Trophy winner** of the college day events, 2025.

Faculty Activities

FDP Attended

S.No	Faculty name	Program/Course	Organization	Duration
1.	Dr.S.Karthigai Lakshmi	Applied AI & ML :From concepts to real world applications in teaching	Dr.MGR Educational and Research institute, maduraivoyal,chennai	26.5.2025 - 30.5.2025
2.	Dr. K.Ganapriya	OBE Essentials:Pathway to Accreditation Excellence	SRM Madurai college for engineering and technology	03.02.25 to 07.02.25
3.	Mrs.K.Divya	Emerging trends in optimal design of Electric Vehicles and Hydrogen fuel cell Vehicles for sustainable futures at SRM Madurai College For Engineering & Technology	AICTE Training and Learning (ATAL) Academy	27.01.2025-01.02.2025
		“Security and Machine Learning in the Aspects of Next Generation Networks (Information Technology)”	UNIVERSITY GRANTS COMMISSION, Malaviya Mission Teacher Training Centre (MMTTC), Jadavpur University, Kolkata	10.02.2025 - 22.02.2025
4.	Mrs.A.Geetha	Resilient Infrastructure For Cyclone Prone Areas(ATAL)	SSM Institute Of Engineering And Technology	03/02/2025 - 08/02/2025.
		Applied AI & ML :From concepts to real world applications in teaching	Dr.MGR Educational and Research institute, maduraivoyal,chennai	26.5.2025 - 30.5.2025
5.	Mrs.K.Moniga	OBE Essentials:Pathway to Accreditation Excellence	SRM Madurai college for engineering and technology	03.02.25 to 07.02.25
		AI in precision Agriculture and smart Healthcare for society 5.0	Online 6-day ATAL FDP	03.02.25 to 08.02.25
6.	Mrs.R.Sudha	OBE Essentials:Pathway to Accreditation Excellence	SRM Madurai college for Engineering and Technology	03.02.2025-07.02,2025
		Smart Communication in IOT:Security and future Applications	St.Josephs' College of Engineering	24.02.2025-01.03.2025
7.	Mrs.A.Arockia Helen Sushma	Resilient Infrastructure For Cyclone Prone Areas	ATAL	03.02.2025-08.02.2025
8.	Mrs.Karthika P	Empowering Healthcare with AI and ML: Advances and Applications	ATAL	17.02.2025 - 22.02.2025
9.	Mrs.E.Thangadeepiga	Sustainable Carbon-Free Technologies for Hydrogen Generation and Storage	National Institute of Technology Tiruchirappalli	24/02/2025 - 01/03/2025.
		Trends in VLSI & Embedded Systems Design Technologies	Sri Chandrasekharendra Saraswathi Viswa Mahavidyala, Enathur, Kanchipuram	13.06.2025

➤ **Workshop attended**

S.No.	Faculty name	Title	Organization	Duration
1.	Mrs.P.Karthika	The Evolution Of Optical Fiber Communication: Unlocking Innovation And Growth	Maharshi Parshuram College Of Engineering, Velneswar	06.02.2025
2.	Mrs.E. Thangadeepiga	Satellite Data Processing Of Open-Source Data For Agriculture	SRM Institute Of Science And Technology College Of Engineering And Technology	05-04-2025

MoU Signed Company:

Faculty Name	Name of the Company	MoU Signed Date
Mrs. R.Sudha & Mrs. P.Karthika	Virtual Tech Services	24-04-2025
Mrs. G.Saranya & Mrs. A.Geetha	Altsense Technologies, Chennai	25-04-2025
Mrs.K.Divya & Mrs.E. Thangadeepiga	Sri Nandha Infotech	28-04-2025

Journal Publication:

S. No	Name of the Author	Journal Name	Month & Year	Topic
1.	Dr.S.Karthigai Lakshmi	Lleta.org	2025	Brain Tumor Classification in MRI using hybrid ASA-based deep learning and masi entropy multilayer thresholding segmentation with sunflower optimization
		International Journal Of Engineering Development And Research (IJEDR)	May 2025	Smart Attendance Monitoring using AI
		Journal of Emerging Technologies and Innovative Research (JETIR)	Jan 2025	The impact of AI on modern agriculture
		International Journal Of Research In Electronics And Communication Technology (IJRECT) (scope database indexed)	Jun 2025	AI Driven Wban In Healthcare Using Machine Learning
2.	Dr. M. Premkumar	Progress In Electromagnetics Research	Jan 2025	Symmetrically Stepped Reflective Surfaces for Enhanced Multiband Stealth and Phase Cancellation

3.	Dr. K.Ganapriya	Computer Speech & Language	Jan 2025	A novel and secured email classification using deep neural network with bidirectional long short-term memory
		International Journal Of Engineering Innovations And Management Strategies (IJEIMS)	May 2025	Bus Tracking And Management Using Embedded &IOT
4.	Dr. R.Carol Praveen	ECS Journal of Solid State Science and Technology	May 2025	Computational Design of Strip Waveguide Bragg Gratings Using Neural Networks for Hexagonal Shaped Refractive Index Biosensors Based Blood Sample Detection
		International Research Journal of Engineering and Technology (IRJET)	Jan 2025	Plant Disease Detection using AI to identify the crop diseases
		Journal of Network and Computer Applications	Apr 2025	Pioneering deep learning frameworks for medical image classification and segmentation:insights from LSTM models
5.	Dr. M.Manikandan	International Research Journal of Engineering and Technology (IRJET)	Jan 2025	Performance Analysis Of Textile Substrates InWearable Textile Antenna Operating In Ism Band
		International Research Journal of Engineering and Technology (IRJET)	Apr 2025	Miniaturized Split Ring Resonator Design and Analysis with Textile Substrates: A Performance Comparison Approach
6.	Mr. R.Senthil Kumar	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	May 2025	IoT-Based Smart Greenhouse Farming
		International Research Journal of Engineering and Technology (IJRET)	May 2025	Mammographic Feature Analysis And Mass Detection In Breast Cancer
7.	Mrs.K.Moniga	JSTAR - Journal of Science Technology and Research (Peer- reviewed)	Apr 2025	Cardiac Arrythmia detection using AI/ML
8.	Mrs.R.Sudha	IJEIMS - International Journal of Engineering Innovations And Managements	May 2025	Eco-Wipe : Hygiene Enhancement Initiative
9.	Mrs. S.Keerthana	Energy and Buildings (Scopus / Web of Science / SCI/ Elsevier)	Mar 2025	Revolutionizing interior Spaces: A comprehensive analysis of LED lighting for illumination and communication in modern Architecture
		Transactions on Emerging Telecommunications Technologies (Scopus/Web of Science/ SCI)	Jan 2025	Exploring Illumination and Communication: A Comprehensive Analysis of LED Lighting in Modern Interior Architectural Designs, Enhanced by Weighted

				Sum Model and Cluster Analysis for Informed Lighting Selection
10.	Mr.V.P.Jayfantin	Journal of Emerging Technologies and innovative Research	Mar 2025	P Advancements in AI-Driven Wildlife Monitoring and conflict Mitigation:A Comprehensive Review
		International Journal of innovative Research Technologies	Apr 2025	Modern coal mine safety system
11.	Mrs.K.Divya	International journal of Engineering Development and Research (Peer-reviewed)	May, 2025	Real Time Smart Farming analytics
		Journal of Emerging Technologies and Innovative Research (JETIR)	Jan 2025	The impact of AI on modern agriculture
12.	Mrs. A.Arockia Helen Sushma	IJATEM-International Journal Of Advanced Trends In Engineering And Management (Google Indexed)	JAN 2025	An Automated Detection Of Cerebral Infarctions In Computed Tomography(CT) Brain Images Using 3D U Net Model Of CNN
		JSTAR-Journal of Science Technology and research	MAY - 2025	ML-Powered UPI Fraud Detection
13.	Mrs. P. Karthika	International Journal of Engineering innovations and Management Strategies (Peer reviewed)	May 2025	ECO-Wipe : Hygiene Enhancement Initiative
14.	Mrs.E. Thangadeepiga	IJEDR-International Journal of Engineering Development and Research (Peer Review, Refereed, Indexed, Multidisciplinary, Multilanguage, Open Access Journal .)	MAY 2025	ML Glove for Sign-to-Text Translation
15.	Mrs. G. Saranya	Knowledge-Based Systems (Scopus & Web of science)	May 2025	An Automated and Lightweight Recursive Kernel Optimized Network (LReKON) Learning Model for Cervical Cancer Diagnosis
		International Journal Of Engineering Development And Research(IJEDR) (UGC care)	May 2025	Smart Health Monitoring System For Asthma Patient's
16.	Mrs. A.Geetha	International Journal Of Research In Electronics And Communication Technology (IJRECT) (scope database indexed)	Jun 2025	AI Driven Wban In Healthcare Using Machine Learning
		International Journal Of Engineering Development And Research (peer-reviewed)	May 2025	AI-Powered Energy Management System With Smart Meter Cyberattack Detection
		International Journal Of Engineering Development	May2025	Water Quality Classification Using Recurrent Neural Networks

		And Research (peer-reviewed)		
17.	Mr. J.Vetrimanikumar	International Journal of Engineering Development and Research	Apr 2025	Optimized LSTM models for enhanced heart disease prediction using data mining techniques
		International Journal of Engineering Development and Research (IJEDR)	May 2025	Forest Fire Prediction and Monitoring using Machine learning
18.	Mr. K.S.Arunkumar	International Journal Of Engineering Development And Research (IJEDR)	May 2025	Design And Analyze Of Miniaturized Meanderline Antenna ForIngestible Application
19.	Mrs. G.Rajarajeshwari	International Journal Of Engineering Innovations And Management Strategies (IJEIMS)	May 2025	An Ultra-Low-Power And Adaptive Approximate Multiplier

Conference Details:

S.No	Name of the Faculty	Name of Conference	Organizer and Location	Conference Date	Proceedings Details (if published)
1.	Mrs.R.Sudha	International Conference on Artificial Intelligence, 6G Communications and Network Technologies	Velammal Institute of Technology - Chennai	27-03-2025	ISBN: 978-81-967851-4-7
2.	Mrs.K.Moniga	ICESTEM - International Conference on “Emerging Trends in Science, Technology, Engineering and Management 25”.	Bharath Niketan Engineering college	25-04-2025	ISBN 9789361636103
3.	Mrs.A. Arockia Helen Sushma	ICESTEM - International Conference on “Emerging Trends in Science, Technology, Engineering and Management 25”.	Bharath Niketan Engineering college	25-04-2025	ISBN 978-93-61636103
4.	Mrs. G Saranya	“Recent Advancements in Science, Engineering & Technologies (RASET 2025)”	Bannari Amman Institute of Technology	05-05-2025	ISBN:978-81-984820-7-5
5.	Dr. K.GanaPriya	Smart class room automation using internet of things	Air conference Proceedings	2025	https://doi.org/10.1063/5.0247102

6.	Mrs. E.ThangaDeepika	International Conference Innovation, Advancements, And Sustainability Engineering Horizons	(ICON:EHIAS'25) SRM Madurai	17.05.2025	ISBN : 978-81-984820-9-9
7.	Mrs.K.Divya	National Conference on AI solutions for sustainable Electronics and wireless system	MIT,Chennai	2025	In Progress
		International Conference Innovation, Advancements, And Sustainability Engineering Horizons (EHIAS-25)	SRM Madurai	17.05.2025	In Progress

NPTEL Courses by Faculty

S.no	Name of Faculty	No of courses successfully completed	course name	Course Duration	No of Weeks
1	Mrs.K.Divya	1	Machine Learning for Soil and Crop Management	Jan-April 2025	12 weeks
2	Mrs.K.Moniga	1	Introduction To Industry 4.0 and Industrial Internet of Things	Jan-April 2025	12 weeks
3	Mrs.R.Sudha	1	Introduction To Industry 4.0 and Industrial Internet of Things	Jan-April 2025	12 weeks
4	Mrs.E.ThangaDeepika	1	Machine Learning for Soil and Crop Management	Jan-April 2025	12 weeks
5	Karthika P	1	Introduction to Internet of Things	Jan-April 2025	12 weeks
6	Mrs.Raja Rajeshwari	1	Python for Data Science	Jan-Feb 2025	8 weeks