



## NEWS LETTER (JANUARY TO JUNE 2024)

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

### 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.

RESNOVAE 2k24 (28-03-2024) :

Chief Guest:

Mr.RAJ KUMAR ,Senior Embedded Engineer at Simask Technology Bengaluru

### EXECUTIVE COMMITTEE CONVENORS

DR.D.SENTHILKUMARAN,  
PRINCIPAL

DR.S.KARTHIGAI LAKSHMI,  
PROFESSOR & HEAD.

### EDITORIAL BOARD

MR.R.CAROL PRAVEEN, AP.

MRS.K.MONIGA,AP.

### STUDENT MEMBERS

AARTHY K P (FINAL YEAR)

VIJAY RAGUNATH G S (FINAL YEAR)

KARTHIKEYAN J (FINAL YEAR)

DIVYA N (THIRD YEAR)

PRIYA (THIRD YEAR)

LAKSHITHA SRI (SECOND YEAR)

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Electronics and Communication Engineering  
SSM Institute of Engineering & Technology,  
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II year ECE students and faculty members visited ALL India Radio, Kodaikanal.



IV YEAR students and two faculty members of ECE visited Kerala Electrical & Allied Engineering Co. Ltd. Kerala.

## ➤ Students Activities

### Paper Presentation

S.No	Name of the Student	Year	Department	Description	Venue	Date
1	L.Tharunkumar	III – B	ECE	Symposium	Trichy	1/3/2024
2	S.Viswanathan	III – B	ECE	Symposium	Trichy	1/3/2024
3	N.Thangavel	II – C	ECE	Symposium	Coimbatore	22/3/2024
4	R.ThanielDishosha	II – C	ECE	Symposium	Coimbatore	22/3/2024
5	A.Subiksha	II – C	ECE	Workshop	Coimbatore	22/3/2024
6	J.ShriShadha	II – C	ECE	Workshop	Coimbatore	22/3/2024
7	S.Yazhini	II – C	ECE	Workshop	Coimbatore	22/3/2024
8	S.Sowmiyavarthini	II – C	ECE	Workshop	Coimbatore	22/3/2024
9	K.Subhageetha	II – C	ECE	Workshop	Coimbatore	22/3/2024
10	M.Shahulhameed	II – C	ECE	Workshop	Coimbatore	22/3/2024
11	A.Vishnuprasath	II – C	ECE	Workshop	Coimbatore	22/3/2024
12	B.Shiyam	II – C	ECE	Workshop	Coimbatore	22/3/2024

## Conference attended

S.No.	Faculty name	Title	Organization	Duration
1	Dr.R.Carol Praveen	Segmentation of skin lesion using Machine learning and Deep learning algorithm	SRM Institute of Science and Technology (3 <sup>rd</sup> International Conference)	24/04/2024 to 25/04/2024
2	Dr.K.Rajesh	Dopamine Neurotransmitters Detection: A Study on Electrochemical Methods using Quantum Dots	International Conference on Sustainable Communication Networks and Application (ICSCNA 2023)	08/01/2024
3	Mr.S.Karthik	Design and Analysis of miniaturized microstrip patch antenna using substrate integrated waveguide	International Conference on recent trends in engineering, technology and management-2024	05/04/2024 to 06/04/2024
4	Mrs.R.Sudha	Gas Leakage Detection with SMS Alert Using Arduino and GSM Module	Velammal Institute of Technology, Chennai	22/03/2024

## Workshop attended

S.No.	Faculty name	Title	Organization	Duration
1	Mr.K.S.Arunkumar	National Intellectual Property Awareness mission	Intellectual property india	05-03-2024

## Patent:

S.No.	Faculty Name	Details	Publication date
1	Mr.S.Karthik	Efficient VLSI design for low power digital signal processing applications with power electronics integration	22/03/2024



## Placement:

S.No	Student Name	Company Details
1.	SETHU KISHOR R	TAP ACADEMY
2.	HARINI J	VINTORIX PVT. LTD.
3.	AARTHY K P	GROWSMART SMB SOLUTIONS PVT. LTD.
4.	HARINI.J	DOMEX E-DATA PVT LTD
5.	PANDIMA DEVI.B	
6.	SAKTHI PRIYA.P	
7.	SUBASHREE.M	
8.	YASHICA.S	
9.	ABILASH M	
10.	AGIL MARIVALAN J	KYUNGSHIN INDUSTRIAL MOTHERSON PVT. LTD.
11.	LOYALAN LOGESH RAJA J	
12.	NITHISH M K	
13.	ARAVINDKUMAR D	
14.	ARULMURUGAN S	
15.	BALAJIPRASANTH G	
16.	HARIHARAN K	
17.	HARI KRISHNAN S	
18.	JAWAHAR S	
19.	JEEVA V	
20.	JOELGODFREY T	
21.	KESAVAN J	
22.	MADHUBALA M	
23.	SOWMYA S	
24.	KANIMOZHI P	
25.	MATHAN K	
26.	MOHAIDEEN ABDUL KADHAR	
27.	MOHAMED FAROOK J	
28.	MOHAMED IRFAN A	
29.	NITHIES KUMAR E	
30.	BHUVANESWARI A	
31.	VIGNESH M	
32.	VIGNESH P	
33.	SUBASH PANDI R	
34.	THANGARAJ R	
35.	AISHWARYA K	UPLUS TECHNOLOGY INDIA PRIVATE LIMITED
36.	BHUVANESWARI A	
37.	GLADYS NANCY J	
38.	HARINI J	
39.	HARSHINI A	
40.	HIBA ROSHAN A	
41.	KANIMOZHI P	
42.	KARTHIKA P	
43.	KAVYA SHREE R K	
44.	MADHUBALA M	
45.	PAVITHRA R	
46.	SAKTHI PRIYA P	
47.	SOWMIYA S	
48.	SOWMYA S	
49.	YASHICA S	

## FDP Attended

S.No.	Faculty name	Program/Course	Organization	Duration
1	Dr.R.Carol Praveen	Embedded Systems and IoT	ENTHU Technology Solutions	04-01-2024 to 05-01-2024
2	Mrs.G.Rajarajeshwari	Embedded Systems and IoT	ENTHU Technology Solutions	04-01-2024 to 05-01-2024
3	Mrs.K.Moniga	Embedded Systems and IoT	ENTHU Technology Solutions	04-01-2024 to 05-01-2024
		Industrial IoT and Industry 4.0	Ingage Solutions	29.01.24 to 02.02.24
4	Dr.K.Ganapriya	Embedded Systems and IoT	ENTHU Technology Solutions	04-01-2024 to 05-01-2024
5	Mrs.R.Sudha	Embedded Systems and IoT	ENTHU Technology Solutions	04-01-2024 to 05-01-2024
6	Mrs.S.Keerthana	Energy Conservation Domains of Engineering and Technology Machine Learning	Centre for Faculty and Professional Development, Anna University, Chennai	01/02/2024 - 14/02/2024
7	Mr.V.P.JayFantin	Embedded Systems and IoT	SSM Institute of Engineering and Technology	04/Jan/2024 to 05/Jan/2024

## Guest Lectures by Faculty

S.No	Name of the Faculty	Designation	Topic	Venue	Date
2.	Dr.K.Ganapriya	Assistant Professor	Next generation wireless communications technologies	Government College of Engineering,Coimbatore.	14/05/2024
3.	Dr.M.Jeyalakshmi	Associate Professor	Next generation wireless communications technologies	Government College of Engineering,Coimbatore.	13.05.24 to 17.05.24



## Paper Publication :

S.No	Name of the Faculty	Designation	Department	Journal Name	Month & Year	Topic
1	M.Premkumar	Associate Professor	ECE	Technical Gazette	Feb 2024	Detecting and Mitigating Low-Rate DoS and DDoS Attacks: Multimodal Fusion of Time-Frequency Analysis and Deep Learning model
				IEEE	Feb 2024	A Review on Wideband High-Gain Low-THz Antennas for Wireless Applications
				Infocommunication Journal	March 2024	Deep Learning based DDoS Attack Detection in Internet of Things: An Optimized CNN-BiLSTM Architecture with Transfer Learning and Regularization Techniques
				Technical Gazette	March 2024	A Combined Scheme Based on Artificial Immune System for Selective Forwarding Attack Detection in Event Driven Wireless Sensor Networks
2	Dr.M.Jeyalakshmi	Associate Professor	ECE	Technical Gazette	March 2024	A Combined Scheme Based on Artificial Immune System for Selective Forwarding Attack Detection in Event Driven Wireless Sensor Networks

3	Ms.R.Sangeetha	Assistant Professor	ECE	International Research Journal of Multidisciplinary Scope	30/01/2024	IoT based Smart Trolley for Shopping using RFID and NodeMCU
4	Ms.K.Divya	Assistant Professor	ECE	International Research Journal of Multidisciplinary Scope	30/01/2024	IoT based Smart Trolley for Shopping using RFID and NodeMCU
5	Mr.S.Karthik	Assistant Professor	ECE	Journal of The Institution of Engineers (India): Series B - Springer	March 2024	A Survey on Logic-Locking Characteristics and Attacks
				International journal of intelligence system and application in engineering (Scopus)	March 2024	Detection of helmet and license plate using machine learning
6	Dr.K.Ganapriya	Assistant Professor	ECE	Technical Gazette	28/01/2024	Performance improvement Technical Gazette for reconfigurable Processor system Design in IoT Health Care Monitoring Applications
7	Mr.K.S.Arunkumar	Assistant Professor	ECE	JETIR	APRIL 2024	Design and analysis wearable microchip patch antenna with different flexible substrate

## Training Programmes for Students - Technology Teaching

S.No	Name of the Activity	Year	Venue	Expert's Detail (Name, Company Name & Place)	Date/Duration
1	Cyber Security	III	ECE LAB	Mr.Arif Mohamed Khan Founder, Tarcin Robotic Madurai	29/01/2024 To 04/02/2024
2	AI with IoT	III	ECE LAB	Mr.Bala Subramanian Software Developer, Enthu Technologies Coimbatore	22/01/2024 To 01/02/2024
3	Advanced PCB design & Prototyping	II	Networks LAB	Mr.S.MohammedArsath, Software Developer, Tarcin Robotic Madurai	04/03/2024 To 10/03/2024
4	IoT Foundation Course	II	Networks LAB	Mr.Prakash IoT Trainer SkillsDA-INGU's Knowledge Academy Pvt. Ltd. Chennai	04/03/2024 To 10/03/2024

## Industrial Visits

S.No	Name of the Industry	Place	Year (Students)	Department	Date/Duration
1	ALL India Radio	Kodaikanal	II	ECE	14.03.2024
2	Kerala Electrical & Allied Engineering Co. Ltd.,Kerala.	Kochi	IV	ECE	22.04.2024 & 23.04.2024



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