

NEWS LETTER (JANUARY TO JUNE 2023)

**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.

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

SUJAN P (FINAL YEAR)

VEDHA R (FINAL YEAR)

AARTHY K P (THIRD YEAR)

VIJAY RAGUNATH G S (THIRD YEAR)

KARTHIKEYAN J (THIRD YEAR)

DIVYA N (SECOND YEAR)

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

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 2k23 - Chief Guest: Mr. Sathesh Seetharaman, Industrial Consultant, Madurai- 31.3.2023

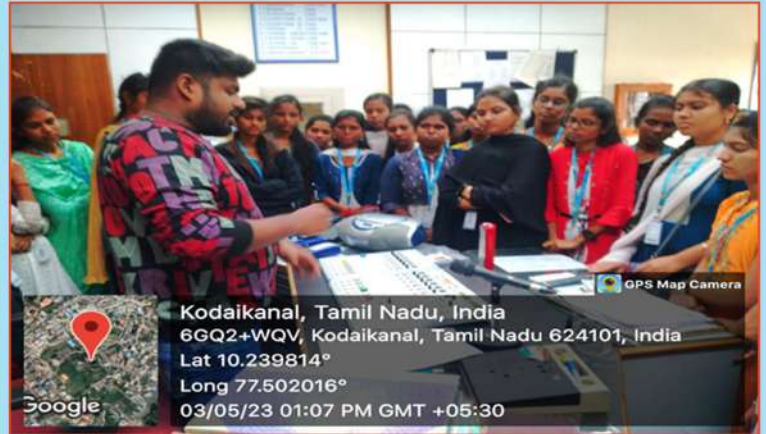
Training Programmes for Students - Technology Teaching

S.No	Name of the Activity	Year	Department	Venue	Expert's Detail (Name, Company Name & Place)	Date/Duration
1	Technology Teaching (Robotics, Drones & IoT)	II	ECE	ECE LAB	Mr.Balaji Varadhan Program Co-ordinator Village Technology School Chennai.	06.02.23 to 10.02.23
2	Technology Teaching (Embedded IoT)	III	ECE	ECE LAB	Mr.Madhavapandian Technical Head Tessolve Semiconductor Pvt. Ltd. Coimbatore	20-02-2023 To 25-02-2023

Industrial Visits:

S.No	Name of the Industry	Place	Year (Students)	Department	Date/Duration
1	ALL India Radio	Kodaikanal	IV	ECE	23.4.2023
2	Solar Laboratory	Kodaikanal	II	ECE	03.05.2023

IV year ECE students and faculty members visited ALL India Radio, Kodaikanal.



Students Activities

Paper Presentation

S.No	Name of the Student	Year	Department	Description	Venue	Date/Duration
1	Kavya Shree R K	III	ECE	Paper Presentation in GENESIS 2023- Tech Syposium	M. Kumarasamy College of Engineering	28.02.2023
2	Aishwarya K	III	ECE	Paper Presentation in GENESIS 2023- Tech Syposium	M. Kumarasamy College of Engineering	28.02.2023
3	Aishwarya K	III	ECE	Paper Presentation in AVESHA 23- Tech Syposium	UCE, BIT campus, Anna University, Trichy	05.05.2023
4	Manisha B	III	ECE	Paper Presentation in AVESHA 23- Tech Syposium	UCE, BIT campus, Anna University, Trichy	05.05.2023
5	Nagadharshini G	III	ECE	Paper Presentation in AVESHA 23- Tech Syposium	UCE, BIT campus, Anna University, Trichy	05.05.2023
6	Bhuvaneshwari A	III	ECE	Paper Presentation in AVESHA 23- Tech Syposium	UCE, BIT campus, Anna University, Trichy	05.05.2023
7	Aarthy K P	III	ECE	Paper Presentation in AVESHA 23- Tech Syposium	UCE, BIT campus, Anna University, Trichy	05.05.2023
8	Harini J	III	ECE	Paper Presentation in AVESHA 23- Tech Syposium	UCE, BIT campus, Anna University, Trichy	05.05.2023



• **Accolades from Various Quarters**

S.No	Name of the Student	Year	Department	Description	Venue	Date	Prize
1	Mr.S.Mohamed Arsath	IV	ECE	Startup India SmartIDEathon 2023	Online	June 2023	Second round

Students Achievements (Co and Extra Curricular)

S.No	Name of the Student	Year	Department	Description	Venue	Date	Prize
1	Subashini N	III	ECE	Start music in NAVAYUVA 2023- Tech Syposium	PSNA Colloge of Engineering and Technology, Dindigul	2023	First place
2	Sri Sruthi S	III	ECE	Start music in NAVAYUVA 2023- Tech Syposium	PSNA Colloge of Engineering and Technology, Dindigul	2023	First place
3	Priyadharshini M	III	ECE	Trial by Trivia in CELLESTRA 2023- Tech Syposium	V.S.B Engineering College, Karur	04.03.2023	Participated
4	Manasvini S A	III	ECE	Trial by Trivia in CELLESTRA 2023- Tech Syposium	V.S.B Engineering College, Karur	04.03.2023	Participated
5	Vishwanathan S	III	ECE	Trial by Trivia in CELLESTRA 2023- Tech Syposium	V.S.B Engineering College, Karur	04.03.2023	Participated
6	Subash Natrayan R M	III		Nova Crafty in CELLESTRA 2023- Tech	V.S.B Engineering College, Karur	04.03.2023	Winner




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

University Examination Toppers:

S.No	Student Name	CGPA	Rank	Photo
IV YEAR				
1	KIRUTHIKA S	8.91	I	
2	SAMYUKTHA B	8.77	II	
3	SHALINI S	8.77	II	
4	CHITRA S	8.64	III	
III YEAR				
1	LATHEEP MAIDEEN A	9.04	I	

2	LAVANYA R	8.89	II	
3	YASHICA S	8.54	III	
II YEAR				
1	NAVEEN KUMAR R	8.39	I	
2	DHIVYA N	8.19	II	
	SHREENITHI K	7.94	III	

Paper Publication :

S.No	Name of the Faculty	Designation	Department	Journal Name	Month & Year	Topic
1	Dr.M.Premkumar	Associate Professor	ECE	IEEE - 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS)	May 2023	Design of Circular Ring Shaped UWB Antenna for BANs and MI Applications
				Wireless Personal Communications	March 2023	Scalable and Energy Efficient Cluster Based Anomaly Detection Against Denial of Service Attacks in Wireless Sensor Networks
2	Dr.M.Jeyalakshmi	Associate Professor	ECE	International Journal of Scientific Research in Engineering and Management (IJSREM)	May - 2023	HEART ATTACK DETECTION AND CONVULSIONS MONITORING USING IOT
				IEEE xplore - International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2023)	May - 2023	IoT based Smart U-Turn Vehicle Accident Prevention System
3	Dr.K.Rajesh	Associate Professor	ECE	International Journal of Scientific Progress & Research	March 2023.	Performance Analysis of Brain Tumor Detection and Diagnosis based on Optimized Features and SVM Classifier,
4	Mrs. A.Geetha	Assistant Professor	ECE	International Journal of Scientific Research in Engineering and Management (IJSREM)	May 2023	Implementation Of Livestock Management Using IOT and GSM
5	Mr.R.CarolPraveen	Assistant Professor	ECE	International Journal of Scientific Research in Engineering and Management (IJSREM)	May 2023	Automatic Gate control system based on vehicle number plate
6	Mr. J.Vetri ManiKumar	Assistant Professor	ECE	International Journal of Scientific Research in Engineering and Management (IJSREM)	May 2023	LoRa BASED LANDSLIDE MONITORING SYSTEM

Guest Lectures by Faculty:

S.No	Name of the Faculty	Designation	Department	Topic	Venue	Date
1.	Dr.K.Rajesh	Associate Professor	ECE	E-content Development	SBMCET	20.02.2023
2.	Dr.M.Jeyalakshmi	Associate Professor	ECE	Nano Technology	SBMCET	15.04.2023
3.	Dr.K.Ganapriya	Assistant Professor	ECE	Machine Learning	UCE,Dindigul	22.05.2023

NPTEL Courses by Faculty (Rank Holders) :

S.no	Name of Faculty	No of courses sucessfully completed	course name	Course Duration	No of Weeks	Marks Secured
1	Dr.S.Karthigailakshmi	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 weeks	75
2	Dr.K.Rajesh	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 weeks	64
3	Dr.M.Jeyalakshmi	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 weeks	73
4	Dr..M.Premkumar	1 (EVEN)	DATA SCIENCE FOR ENGINEERS	JAN 2023 to MARCH 2023	8 week	50
5	Mrs. A.Geetha	2 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 weeks	71
			Foundation of cloud IoT Edge ML	feb 2023 to April 2023	8 weeks	86
6	Mr.V.P.JayFantin	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 Weeks	61
7	Mr.R.Carol Praveen	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 weeks	73
8	Mr.M.Manikandan	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 weeks	71
9	Mr.R.Senthil Kumar	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 weeks	60
10	Mr. J.Vetri ManiKumar	2 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 weeks	68
			Foundation of Cloud IOT Edge ML	Feb 2023 to April 2023	8 weeks	86
11	Mr.S.Jayakumar	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 weeks	64

12	Mr.S.Karthik	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 weeks	64
13	Mrs.K.Divya	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12weeks	69
14	Dr.K.GanaPriya	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 Weeks	71
15	Mrs.G.RajaRajeshwari	2 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12 Weeks	66
			DATA SCIENCE FOR ENGINEERS	JAN 2023 to MARCH 2023	8 week	50
16	Mrs.S.Keerthana	1 (EVEN)	Optical Wireless Communications for Beyond 5G Networks and IoT	23 Jan 2023 to 14 Apr 2023	12 Weeks	80
17	Mrs.P.Karthika	1 (EVEN)	NBA Accreditation and Teaching and Learning in Engineering	Jan 2023 to April 2023	12weeks	64