

***ELECTRONICS &
COMMUNICATION ENGINEERING***

CAMPUS PULSE

NEWS LETTER



2024-25 Issue3(January-March)



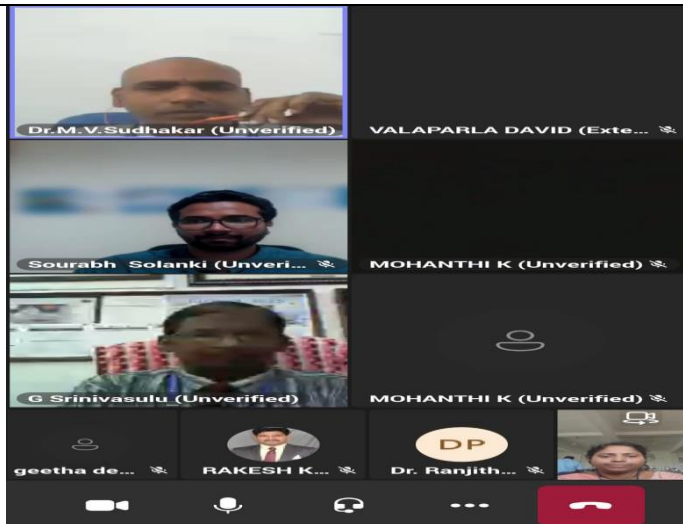
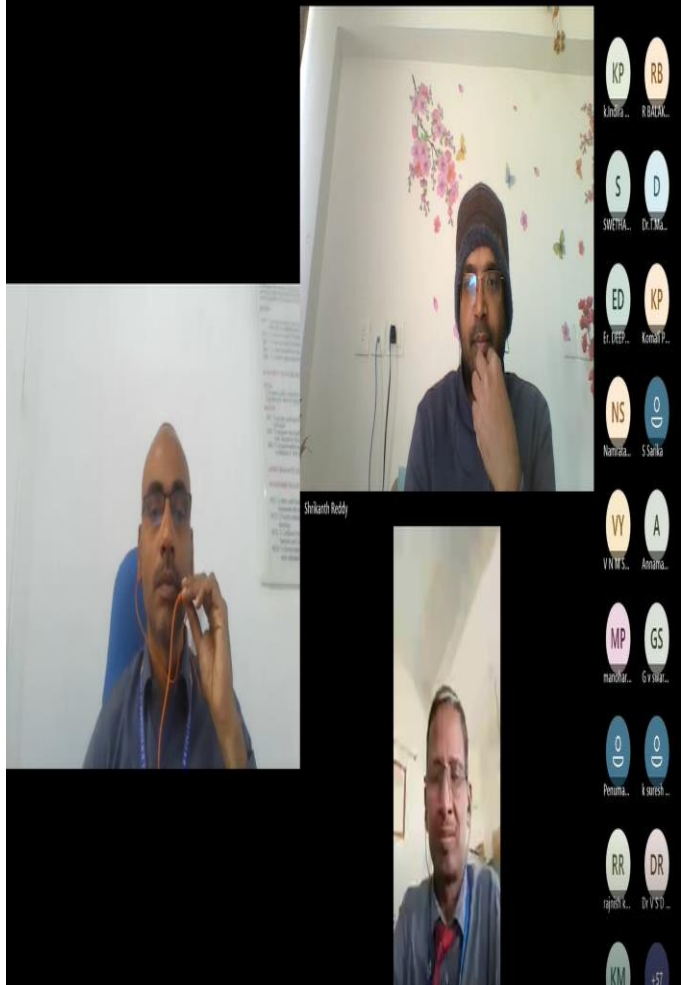
***LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING
MYLAVARAM***

Quarterly Report A.Y.2024-25 (02-01-2025 to 31-03-2025)

Name of the Department: ECE

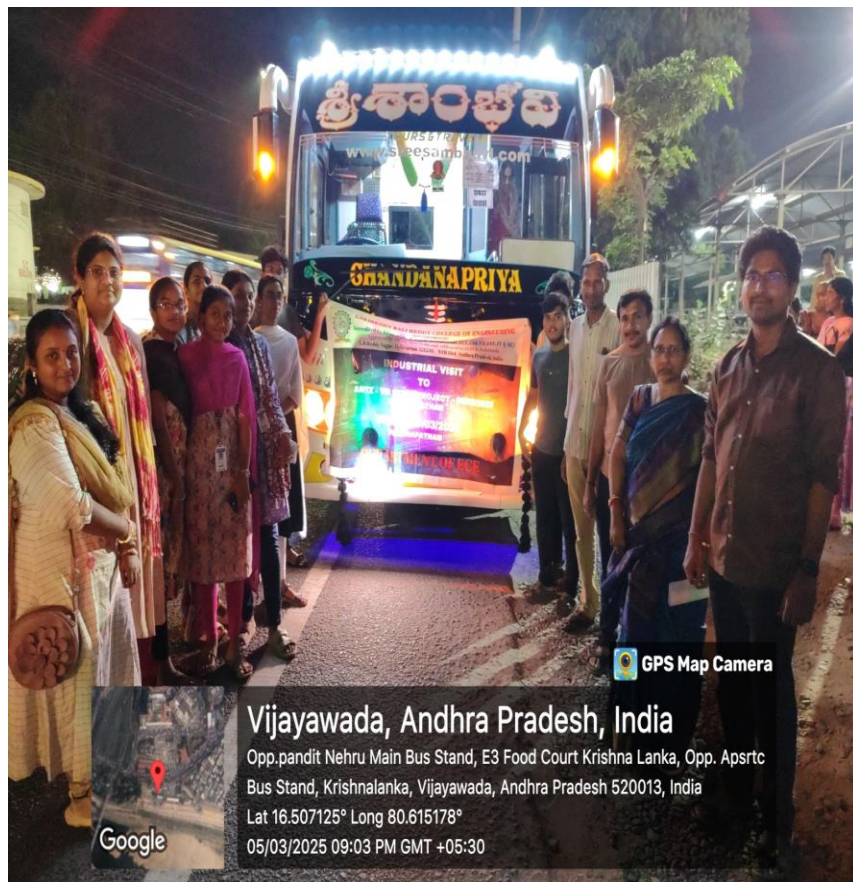
Events Organized by the department

Conferences/ FDPs/STTPs/ *Staff Colloquiums*/ Workshops/ Certification programs/ Guest Lectures / Technical Club Activities/ Student Chapter/ Professional Society/Chapter activities/Hackathons/ Alumni Interactions

Photo	Details
	The Department of ECE has organized five-day faculty development programme on “next-generation wireless communication systems: trends, technologies, and future directions. Resource Persons: Dr. Sourabh Solanki, Assistant professor, NIT Warangal Dr. Maheswaran P, Assistant Professor, NIT Trichy. Dr.Hemanth Kumar, Assistant Professor, NIT Trichy.
	Dr.Vimal Bhatia, Professor, IIT Indore Dr. G. Shrikanth Reddy, Assistant professor, IIT Mandi Name of Coordinator: Dr.M.VenkataSudhakar Name of Co-Coordiators: Dr.P.Rakesh Kumar Target Audience: Faculty and Research Scholars Total no of Participants: 297 Objective of the FDP: 1. To provide in-depth knowledge of IoT and 5G-6G standards. 2. To explore the design and applications of antennas in modern wireless communication systems. 3. To explore the fundamentals and advancements in SDR for efficient communication systems.

Industry Institute Interactions: 01

Industrial Visits:01



Dr.K. Rani Rudrama, Dr.k.Ravi kumar Mr.P.Venkateswararao. and Mrs.K.Balavani . Visitors (students and the accompanying staff) travelled by transportation arranged by the Students. The journey commenced at around 6:00 PM from College Campus and reached Andhra Pradesh MedTech Zone (AMTZ) Visakhapatnam at around 6:00AM on 06-03-2025. After several security checks and administrative formalities, visitors were taken to AMTZ. It explored cutting-edge bio-electronic equipment such as oxygen concentrators and key



facilities, including the Kalam Institute of Health Technology (KIHT) and the National Institute of Additive Manufacturing in Advanced Medical Technology (NIAMAT). Additionally, Visited Amphenol Sensor Technology, where we observed high-precision sensor manufacturing.

The MSME Technology Center, Visakhapatnam, is an initiative by the Ministry of Micro, Small, and Medium Enterprises (**MSME**), Government of India. It provides technical training, skill development, and support to **MSMEs** in various industries.

Interaction with outside world:

Acted as Resource Persons. (External):1

S. No	Name of the Faculty	Name of the Topic	Institute/Organization	Date
1	Mr.T.Anil Raju	Digital image processing and its applications	PACE Institute of Technology and sciences	31-01-2025

Faculty attended International / National Conferences (External):1

S. No	Name of the Faculty	Name of the Conference	Institute/Organization	Dates
1	Venkat Rao Pasupuleti	Advances in Signal Processing & Communication Engineering (ICASPACE-2025)	Mahatma Gandhi Institute of Technology(A), Hyderabad, Telangana,	30-01-2025 to 31-01-2025

Online/ face-to-face FDPs attended (External): 10

S. NO	Name of the Faculty	Name of the FDP	Conducted Department	Duration
1	Dr. G. Srinivasulu	ATAL Faculty Development Program on 5G and Next Generation Wireless Networks	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY, Hyderabad	06-01-2025 to 11-01-2025
2	Dr. Ravi Kumar Kandagatla	ATAL Faculty Development Program on 5G and Next Generation Wireless Networks	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY, Hyderabad	06-01-2025 to 11-01-2025
3	Dr. Banothu Y V N R Swamy	ATAL Faculty Development Program on 5G and Next Generation Wireless Networks	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY, Hyderabad	06-01-2025 to 11-01-2025
4	Mrs. Bandrapalli Rajeswari,	ATAL Faculty Development Program on 5G and Next Generation Wireless Networks	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY, Hyderabad	06-01-2025 to 11-01-2025
5	Dr. P. Venkat Rao	ATAL Faculty Development Program on 5G and Next Generation Wireless Networks	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY, Hyderabad	06-01-2025 to 11-01-2025
6	Dr. G.L.N. Murthy	ATAL Faculty Development Program on 5G and Next Generation	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY, Hyderabad	06-01-2025 to 11-01-2025

		Wireless Networks		
7	Mr.VV Ramakrishna	ATAL Faculty Development Program on 5G and Next Generation Wireless Networks	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY, Hyderabad	06-01-2025 to 11-01-2025
8	Dr.M.Venkata Sudhakar	Next Gen Communications : Fundamentals and Future Perspective	ATAL, TIRUMALA ENGINEERING COLLEGE	10-02-2025 to 15-02-2025
9	Smt.K.Pavani	Optimized solutions for IC Design with hands-on session on CMOS Design	E&ICT Academy, NIT Warangal in association with JNTUK	03-02-2025 to 07-02-2025
10	Smt.K. Balavani	Optimized solutions for IC Design with hands-on session on CMOS Design	E&ICT Academy, NIT Warangal in association with JNTUK	03-02-2025 to 07-02-2025

Online/ face-to-face FDPs attended (Internal)-2

S · N o	Name of the Faculty	Name of the Topic	Institute/Organiz ation	Dates
1	Dr. P. Lachi Reddy	"Next-Generation Wireless Communication Systems: Trends, Technologies and Future Directions"	LBRCE, MYLAVARAM	10-02-2025 to 14-02-2025
2	Mr.P. Venkateswara Rao	"Next-Generation Wireless Communication Systems: Trends, Technologies and Future Directions"	LBRCE, MYLAVARAM	10-02-2025 to 14-02-2025

Research and Development

Publications:

Journals (WoS/SCI/SCOPUS):4

Title of paper	Name of the Author/s	Name of journal / Conference	ISSN Number	Link of the recognition in UGC Enlistment of the Journal
Design of Compact and high gain dual-band four-port MIMO antenna array for mm-wave 5G communications	Srinivasulu Gundala	Results in Engineering	2590-1230	https://doi.org/10.1016/j.rineng.2025.104153
Design of Compact true wireless stereo (TWS) antenna in earphones for wearable communication applications	Banothu YVNR Swamy	Engineering Research Express	2631-8695	https://doi.org/10.1088/2631-8695/ada873
A QMSIW based antenna sensor for breast tumor detection	V.L. Bhavani Maddirala, Divya Chaturvedi, Arvind Kumar, Ramesh Reddy Bojja	3 rd IEEE Microwave antenna amd propogation conference (MAPCON-2024) during 09-12-2024 to 13-12-2024 at Novotel HICC, Hyderabad, India organized by IEEE MTT/AP/EMC Society Hyderabad Jt.Chapter	979-8-3503-7969-3	https://doi.org/10.1109/MAPCON61407.2024.10923142

Advanced Deep Learning Techniques for Accurate Detection of Pathological Infant Cry Signal	Sirisha J, Sarath Chandra, B Madhavi, Boggula Lakshmi Thirupatham ma, Tejaswi Vallabhapurapu , Naveen Kumar Penjarla	2024 4 th International Conference on Soft Computing for Security Applications (ICSCSA),	979-8-3315-1572-0	https://ieeexplore.ieee.org/document/10918039
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Books chapter (01)

Name of the teacher	Title of the book/ chapters published	Title of the paper	ISBN/ISSN number of the proceeding	Name of the publisher
Ms. Pavani Kollamudi	Field Effect Transistors	Technology Behind Junction less Semiconductor Devices	9781394248506	Wiley

Events Conducted by the Department: LAKSHYA-1

Registration Details

Name Of the Event	Number of Registrations		Number of Teams
	Internal	External	
SRUJANA SRUJANA(Paper Presentations)	30	5	35
PRAGNA PRAGNA(Poster Presentations)	44	2	46
MEDHA(Quiz)	108	13	121
OJAS(Cruise)	152	14	166
TOTAL	334	34	368

Winners list

Name of the Event	Prize	Name of the Student	CollegeName
SRUJANA Paper Presentations	1 st Prize	P.YOSHITHA	NRI AGIRIPALLI
		T. PRIYA	
	2 nd Prize	O. MEENAKSHI	LBRCE
		D.TEJASRI	
PRAGNA Poster Presentations	1 st Prize	V.GEETHA NARAYANAMMA	LBRCE
		Y.RAMYA	
	2 nd Prize	B.DURGA PRAVALIKA	LBRCE
		B.SIVAMANI	
MEDHA Quiz	1 st Prize	P.RAHUL TEJA	LBRCE
		B.V.B.NAYAK	
	2 nd Prize	V.SAINATH	
		R.JAMAKAIAH	
OJAS (Cruize)	1 st Prize	S. STEPHEN ABHISHEK	LBRCE
	2 nd Prize	Y. VISHNU PRIYA	

Students' Achievements/Recognitions:Placements

1.Cognizant-4LPA-4

S.NO	NAME	ROLL NUMBER
1	K.REVATHI	21761A04F9
2	P.V.NARENDRA	21761A04H2
3	M.NARESH BABU	21761A04A2
4	B.ANIL BABU	21761A0417

2.SNOVASYS-4LPA-1

S.NO	NAME	ROLL NUMBER
1	A.JASWANTH	21761A0466

3..Infosys-4LPA-4

S.NO	NAME	ROLL NUMBER
1	A.AMRUTHA	21761A0403
2	CH.YAMINI	21761A0408
3	P.ABHI RAMA	21761A0442
4	B.AKHILA	21761A0475
5	A.DURGA MAHESWARI DEVI	21761A04D1
6	B.SREE GAYATRI	21761A04D7
7	K.HIMA BINDU	21761A04F5
8	V.VENKATA NANDINI	21761A04J0

4 AXIS Global Automation -2.5LPA-6

S.NO	NAME	ROLL NUMBER
1	ANGIREKULA SAI ADITHYA	21761A0401
2	PUPPALA UDAY KIRAN	21761A04B5
3	VEDURU SIVA PRASAD REDDY	21761A04C5
4	T VENKATESWARARAO	21761A04I2
5	BUDETI RAJITHA	22765A0401
6	PAMARTHI BHANU VARDHAN	22765A0422

5 Global Logic -2.2LPA-6

S.NO	NAME	ROLL NUMBER
1	KORUKONDA GOWTHAMI	21761A0425
2	NINDRA THEJASRI	21761A0436
3	T KAVYA	21761A0457
4	SIMHADRI MOHITHA	21761A04C1
5	TULIMILLI TARUN SAI	21761A04C3
6	VADADA LALITHA	22765A0407