



THANJALI COLLEGE OF ENGINEERING & TECHNOLOGY

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Department of Electronics and Communication Engineering

Department's Monthly Report

Name of the Department: ECE

Date from: **01-01-2025 to 31-01-2025**

1. Guest Lectures / Webinar / etc... arranged.

S. No	Name of the Resource person	Designation and Organization	Topic covered	Target Attendance	Proposed by (Name of the faculty)
1	Dr.A.G.Krishna Kanth	Founder and CTO,MOSart Labs	IIT Program In semiconductor Technology and Chip Design for a Career in VLSI Design On 22.01.2025	III and IV ECE	Mr.G .Ramachandra Kumar and Mr.M.Chathar Singh

2. Student Development Programs / Value Added Courses Conducted

S. No	Name of the program	Target Audience	Date(s) conducted	No. of students attended	CO / PO attainment
1	ASIC Front End Implementation Flow using Synopsys Tools	III - ECE	25-01-2025	38	VLSI Course outcomes
2	Front-End Design For VLSI Circuits (VAC)	II - ECE	As per Academic Time Table	All 2 nd Year Students	VLSI Course outcomes

3.Details of the Seminars/ Conferences / Workshops /Refresher Courses / Orientation Courses/ FDPs attended by faculty

S.No	Name of the Faculty	Nature of program attended: conference/workshop/FDP etc..	Title of the Program	Date(s) attended	Sponsored body/institute	Remarks
1	Mrs. Umarani Marri,	ATAL FDP	IoT Enabled Sensor Technology for Industry 5.0	04/11/2024 to 09/11/2024.	at CBIT Hyderabad	Offline
2	Mr.A.Shanker	ATAL FDP	Research Advancements in Machine Learning for Engineering Applications	20/01/2025 to 25/01/2025.	at Sasi Institute of Technology & Engineering, Tadepalligudem	Online
3	Mr.A.Shanker	FDP	Basics of Python	January 31, 2025	Infosys Spring board	Online
4	Mr. Satish Babu K	ATAL FDP	Smart Cities and Urban Mobility	20/01/2025 to 25/01/2025	IFET College of Engineering, Tamil Nadu	Online
5	Mrs. Sumithra	ATAL FDP	Developing Low- Power Wireless IOT Applications Using MRuby	20/01/2025 to 25/01/2025	Jerusalem College of Engineering ,Chennai	Online

6	Mr. Dorsela Venkata Rami Reddy	ATAL FDP	Cyber Security and Intrusion Detection Forensics	20/01/2025 to 25/01/2025	Don Bosco Institute Of Technology, Bangalore	Online
7	Mrs. Amirineni Rama L Padmaja	ATAL FDP	Recent trends in 5G/6G Wireless Communication	06/01/2025 to 11/01/2025.	Samskruti College Of Engineering And Technology, Hyderabad	Online
8	Mrs. S.Jyothirmaye	ATAL FDP	Next Gen Communications for IoT and Industrial Automation	20/01/2025 to 25/01/2025	Holy Mary Institute Of Technology & Science, Hyderabad	Online
9	Mr. Odaiah Rachapally	ATAL FDP	Research Advancements in Machine Learning for Engineering Applications	20/01/2025 to 25/01/2025	at Sasi Institute of Technology & Engineering, Tadepalligudem	Online
10	Mr. P.Chandra Prakash Reddy	ATAL FDP	Smart Farming with Machine Learning: Sustainable Practices for	20/01/2025 to 25/01/2025	Hyderabad Institute Of Technology And Management, Hyderabad	Online

			Modern Agriculture			
11	Dr. B.L.Prakash	ATAL FDP	Recent trends in 5G/6G Wireless Communication	06/01/2025 to 11/01/2025.	Samskruti College Of Engineering And Technology, Hyderabad	Online
12	Mrs. Savithri Padma Priya V,	ATAL FDP	Recent trends in 5G/6G Wireless Communication	06/01/2025 to 11/01/2025.	Samskruti College Of Engineering And Technology, Hyderabad	Online
13	Mr. Satish Babu K	ATAL FDP	Recent trends in 5G/6G Wireless Communication	06/01/2025 to 11/01/2025.	Samskruti College Of Engineering And Technology, Hyderabad	Online
14	Mr. G.Vekateshwarlu	ATAL FDP	Driving the Future 2025-2030: Smart Cities and Urban Mobility	20/01/2025 to 25/01/2025	IFET College of Engineering, Tamil Nadu	Online
15	Dr. Appala Raju Uppala	Workshop	Implementation of NEP-2020	20-01-2025 to 24-01-2025	IQAC,GCET	Offline
16	Ms. D. Madhavalatha	Workshop	Implementation of NEP-2020	20-01-2025 to 24-01-2025	IQAC,GCET	Offline

17	Ms.M. Laxmi	Workshop	Implementat ion of NEP-2020	20-01-2025 to 24-01-2025	IQAC,GCET	Offline
18	Ms.J.Mrudula	Workshop	Implementat ion of NEP-2020	20-01-2025 to 24-01-2025	IQAC,GCET	Offline
19	Ms.M.Sowjanya	Workshop	Implementat ion of NEP-2020	20-01-2025 to 24-01-2025	IQAC,GCET	Offline
20	Mr A.Shankar	Workshop	Implementat ion of NEP-2020	20-01-2025 to 24-01-2025	IQAC,GCET	Offline

4. Details of Patent/ Ongoing Projects / Consultancy

S.No	Title/ Description	Principal investigator	Duration/ time period	Sponsoring Organization	Funding Amount	Start date	Remarks / Present Status
1	Performance enhancement of SRM drive using Schmitt predictor and firefly optimization	Dr.M.Jagan Mohan Rao	12 Months	GCET (Seed Funding money scheme)	Rs. 2,00,000/-	Decemb er 2024	Ongoing
2	Development of a novel lidar inversion method for retrieval of mie lidar returns	Dr. P. Sudhakar	12 Months	GCET (Seed Funding money scheme)	Rs. 2,00,000/-	Novemb er 2024	Ongoing

5.Details of Students Co-curricular/ Sports Achievements/ NSS Activities

i.Details of NSS activities taken place

S. No.	Activity details	Date(s)	Organized by College/University
1	Village survey for Vocational Training Programs	24-01-2025	NSS unit, GCET
2	15 th National Voter Day Celebrations 2025 at GHMC,Liberty Cross Roads, Hyderabad	25-01-2025	JNTUH in association with NSS unit, GCET

6.Student achievements and Certifications:

S.No.	Roll number	Name of the Student	Name of the course	Date(s) attended	Sponsored body/institute
1	23R15A0416	Makunuri viswateja	Artificial intelligence	January 2025	Infosys Spring board collaborated with GCET
2	22R11A04E3	Y.Anjali	Generative ai for all,Python	January 2025	Infosys Spring board collaborated with GCET
3	22R11A04E4	Y.Manikyarao	Generative ai for all,Python	January 2025	Infosys Spring board collaborated with GCET
4	22R11A04D7	S.Aravind	Basics of python	January 2025	Infosys Spring board collaborated with GCET
5	23R15A0417	MD AfroZ	Basics of python	January 2025	Infosys Spring board collaborated with GCET
6	22R11A04D6	S.Niharika	Basics of python	January 2025	Infosys Spring board collaborated with GCET
7	22R11A04D9	T.Mamatha	Basics of python	January 2025	Infosys Spring board collaborated with GCET
8	22R11A04D3	P.Tharun	Basics of python	January 2025	Infosys Spring board collaborated with GCET

9	23r15a0415	M.Archana	Basics of python	January 2025	Infosys Spring board collaborated with GCET
10	22r11a04D4	p.Sampriti	Basics of python	January 2025	Infosys Spring board collaborated with GCET
11	22r11a04D5	S.Srinandan	Basics of python	January 2025	Infosys Spring board collaborated with GCET
12	22r11a04E0	v.rajniees	Artificial intelligence	January 2025	Infosys Spring board collaborated with GCET
13	22r11a04D2	p parmesh	Basics of python	January 2025	Infosys Spring board collaborated with GCET
14	22r11a04E2	V.Lokesh	Basics of python	January 2025	Infosys Spring board collaborated with GCET
15	22r11a04D8	S.Nikhil	Basics of python	January 2025	Infosys Spring board collaborated with GCET
16	23R15A0413	sushma	Basics of python	January 2025	Infosys Spring board collaborated with GCET
17	23R15A0414	Sri Nandini	Basics of python	January 2025	Infosys Spring board collaborated with GCET
18	22r11a04E0	Bhoom reddy	Artificial intelligence	January 2025	Infosys Spring board collaborated with GCET

7.Details of Industry visits organized/planned by the departments

S No	Dept	Associated Industry, Address	Visit provided to (Year / section)	Date of visit	Prof In-Charge / Faculty Coordinator	No. of students visited
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1	ECE	ICOMM Tele Pvt Ltd, Cherlapally	III	30-01-2025	Prof. O.V.P.R. Siva Kumar, Mrs.L.Umamaheswari	48
2	ECE	LEDChip Indus Pvt Ltd	II	29-01-2025		48

8.Details of MoUs made during the period

S No	Dept	Associated Industry, Address	Nature of the MoU	Activities conducted under MoU	Impact
1	ECE	Brain Chip Systems India Pvt Ltd, Khairathabad,Hyd.	Research and Development	To be conducted	--

9. Action plan for new MoUs, if any -----

10.Any other relevant/significant information:

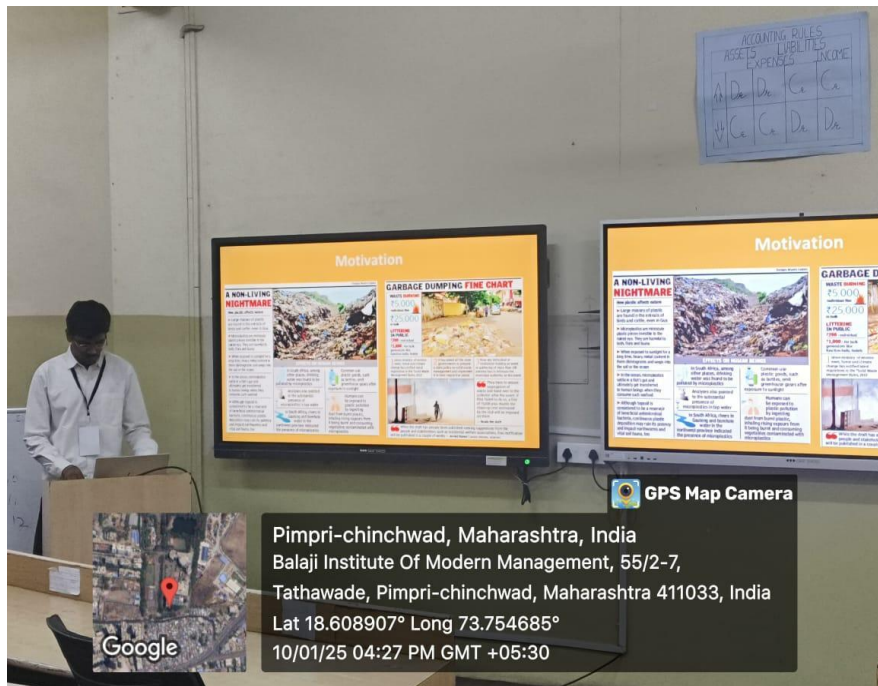
Faculty Achievements:

- Mrs. M. Laxmi has received a Certificate of Completion for the AICTE-QIP-PG Certificate Programme in 'Machine Learning’.
- Mrs. D. Ramya has received a Certificate of Completion for the AICTE-QIP-PG Certificate Programme in 'Machine Learning’.
- Navarath Pradarshan 2K25 was successfully held on 29-01-2025 at GCET, with students from various schools participating. The event was organized by the Department of ECE in association with ISTE, IQAC, IIC, and IEEE-RAS

Faculty member in-charge
Mr.A.Shankar

Overall Coordinator
Dr. Appala Raju Uppala

Head of the Department
Dr.G.Sreelakshmi



Startup competition Inauguration at Balaji University, Pune on 10/01/2025



Co-Po Attainments presentation on 10/01/2025



Signed an MoU with BrainChip systems India Pvt. Lid. On 16/01/2025



faculty presentation on "Performance Enhancement of SRM Drive Using Smith Predictor and Firefly Optimization"
Speaker: Dr.M.Jagan Mohana Rao,Associate Professor, ECE.



Work shop on Implementation of NEP 2020 for Active learning Pics. On 20/01/2025





Guest Lecture on 22/01/2025



NSS Unit of GCET met GHMC Commissioner- Dammaigida. Took approval from commissioner to conduct forthcoming vocational programs in near by villages.



15th National Voters Day Celebrations on 25/01/2025



Research seminar by Ms.V.S.Padma Priya madam on 25/01/2025



As a part of ChipIN centre activities we are conducting ASIC Front-end Implementation flow using Synopsys tools started for III year students. Speaker: Mr. P.Naresh, Senior lead Engineer, Qualcomm



IIC is conducting Hackathon - Hack Intelligence in association with Swecha in Block -V, IIC.



Mr. T.Girish and Mr. T. Baladitya of ECE-2B bagged I prize in Startup Competition(Prize money 25K) conducted by VNRVJET today. Mentors : Dr.G.Vallathan and Mr. Anand from ECE



Navarath Pradarshan on 29/01/2025





Hyderabad, Telangana, India

29ab, Electronic Complex Rd No 11, Near Industrial Canteen & Tsiic,
Kushaiguda Industrial Area, Kushaiguda, Hyderabad, Secunderabad,
Telangana 500062, India

Lat 17.479781° Long 78.570754°
29/01/25 12:02 PM GMT +05:30

 GPS Map Camera

An industrial visit to LEDChip Indus Pvt Ltd, for B.Tech 2nd yr students on 29/01/2025



A.Sanjana Devi (22R11A0449), K.Aishwarya(22R11A0471) of ECE -3B participated in a poster presentation conducted by GNITS(G.Narayanamma Institute of technology and Science) on 23rd January 2025 and won 2nd prize in Poster presentation with their poster on " WIRELESS TECHNOLOGY"

చీర్యాలలోని గీతాంజలి

ఇంజనీరింగ్ కళాశాలలో నవరిత్ ప్రదర్శన



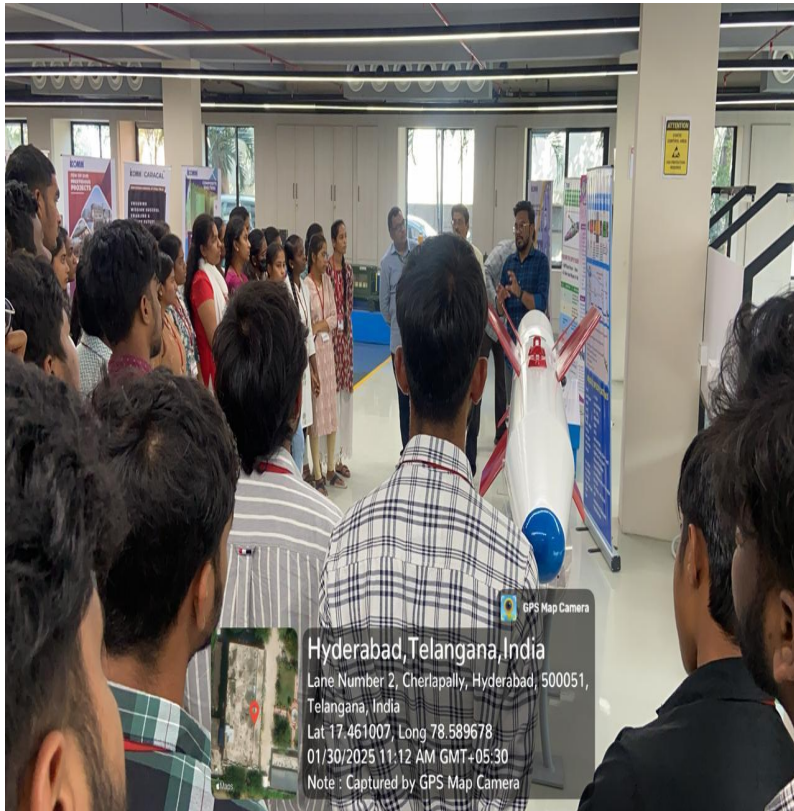
కీసర, తెలంగాణ దిశ :చీర్యాలలోని గీతాంజలి ఇంజనీరింగ్ కళాశాలలో బుధవారం ఎలక్ట్రానిక్స్ అండ్ కమ్యూనికేషన్ ఇంజనీరింగ్ డిపార్ట్ మెంట్ ఆధ్వర్యంలో నవరిత్ ప్రదర్శన-2025 నిర్వహించారు. మాతృశ్రీ ఈ అండ్ ఎల్ స్కూల్, సెంట్ ఎండర్యూస్ స్కూల్, చీర్యాలలోని ప్రభుత్వ పాఠశాల నుంచి వెళ్లిన 430 విద్యార్థులు



ప్రదర్శనను ఆసక్తిగా తిలకించారు. ప్రాజెక్టుల పనితీరును ఇంజనీరింగ్ విద్యార్థులు వివరించారు. ఇందులో కళాశాల చైర్మన్ జి. రవీందర్ రెడ్డి, వైస్ చైర్మన్ జి. హరిశ్చంద్రారెడ్డి, డైరెక్టర్ డా. ఏస్. ఉదయకుమార్, ప్రిన్సిపల్ డా.కె.సాగర్, డీన్ బి. హరికుమార్, హెచ్ఓడి డా.జి. శ్రీలక్ష్మి, నిర్వాహకురాలు బి. శ్రీలత తదితరులు పాల్గొన్నారు.

తెలంగాణ దిశ

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Industrial visit to ICOMM Cherlapally on 30/01/2025