GEETHANJALI COLLGE OF ENGNEERING & TECHNOLOGY

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Department of Electronics and Communication Engineering

Department's Monthly Report

Name of the Department: ECE

Date from: **01-06-2025 to 30-06-2025**

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

N	Name of the Faculty	Nature of program attended: conference/workshop/ FDP etc.	Title of the Program	Date(s) attended	Sponsored body/institute
	Dr. Nagalakshmi Yarlagadda	Malaviya Mission-Teacher Training Programme	NEP 2020 Orientation & Sensitization Programme	02-06-2025 to 13-06-2025	UGC-MM TTC, University of Kerala, Kariavattom, Thiruvananthapuram
	Dr P.Vijai Bhasker	Malaviya Mission-Teacher Training Programme	NEP 2020 Orientation & Sensitization Programme	19-05-2025 to 28-05-2025	UGC-MM TTC, Coimbatore Institute of Technology,
	Mr. Anjaneyulu Nangunuri,	ATAL-FDP	Recent Trends in VlSI Design and Modeling using Cadence Tools	16-06-2025 to 21-06-2025	VBIT.Hyderabad
	Mr.K.Satish Babu	FDP	AI Mastery for Educators	15-05-2025 to 07-06-2025	Vishlesan i-HUB IIT Patna

2.Details of Research Publications.

Conference Papers:

S. No	List of Authors	Title of the Paper	Conference Name	Year of Publication	ISBN/ ISSN	Indexing
1	Dr. M.Anand	Multi Agent Proximal Policy Optimization with Clear Path Determination for Autonomous Drone Navigation.	International Conference on Wireless Communication and Internet of Everything(ICWCIE-2025).	23-05-2025 and 24-05- 2025	presented	Scopus
2	Dr.B.L.Prakash	Enhanced Lung segmentation via TransResUnet: A Deep Learning Approach with Residual Paths and VGG16 Encoder.	6th International conference on "Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2025)	17-06-2025 to 19-06- 2025	ISBN: 979-8-3315 -1174-6	Scopus
3	Ms.M.Umarani	Energy Efficient Routing with LSTM- attention DQN for Anamoly Detection in Networks	IEEE Interntional Conference on Emerging Technologies in Engineering Applications-2025.	05-06-2025 and 06-06- 2025	Presented	Scopus
4	Mr.G.Venkateswaru lu	Integrating Spatial and Temporal Characteristics for RADAR Signal Analysis.	IEEE Interntional Conference on Emerging Technologies in Engineering Applications-2025.	05-06-2025 and 06-06- 2025	Presented	Scopus
5	Ms.A.R.L.Padmaja	A Blockchain and Reinforcement Learning-Based Adaptive Security Framework for IoT-Enabled Smart Homes	International Conference on Smart & Sustainable Technology (INCSST)	27-06-2025 to 29-06- 2025	Presented	Scopus

3.Students Higher Education Data.

S. No	Roll No.	Name of the student	Name of the program and University	TOEFL/ GRE/ GMAT/ IELTES Score, if any
1	20R11A0413	E.Prashanth	MS-UK	Not Required
2	20R11A04C2	Abbavathi Rahul	MS-UK	Not Required
3	20R11A04E8	M.Karthik Reddy	MS-UK	Not Required
4	20R11A0498	Perli Srichaitanya	MS-Ireland	Duolingo-Score-115
5	20R11A04G6	Shaik Noushad	MS-UK	Not Required
6	10R11D5508	N.Ershad Alikhan	MS-France	Not Required
7	21R11A0401	Adeeb Imran Hameed Mohamed	MS-UK	Not Required

4. Details of Patent/ Ongoing Projects / Consultancy

S.No.	Title/ Description	Principal investigator/Author Name	Duration/ time period/Published Journal Name	Sponsoring Organization	Funding Amount	Start date/Month of Publishing	Remarks / Present Status
1	Intelligent System for Digital Image Forgery Detection using Machine Learning and Artificial Intelligence Techniques.	Mr.A. Shankar	Indian utility patent journal	GCET	Rs.3000	27-06-2025	Published
2	Graph-Theoretical Approaches integrated with machine learning for enhancing data privacy in cloud systems.	Mr.R.Odaiah	Indian utility patent journal	GCET	Rs.3000	27-06-2025	Published
3	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/-	December 2024	Ongoing

4	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/-	November 2024	Ongoing

12 Action plan for new MoUs, if any

Faculty member in-charge	Overall Coordinator	Head of the Department
Mr.A.Shankar	Dr. Appala Raju Uppala	Dr.G.Sreelakshmi

ARTIFICIAL INTELLIGENCE
GPS Map Camera
Google
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14/06/2025 02:20 PM GMT +05:30

Faculty presentations on 14/06/25