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: **01-07-2025 to 31-07-2025**

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	Mr.Anupam Agarwal	Chair-INDIA INTERNET Foundation	Regional Faculty Workshop Date: 24-07-25	Faculty	Dr, G. Sree Lakshmi
2	Mr. Anand Raje	CTO- AIORI, Co-Founder-INDIA INTERNET Foundation	Regional Faculty Workshop Date: 24-07-25	Faculty	Dr, G. Sree Lakshmi
3	Dr. John Jose	Advisor, IAYPC, IIT Guwahati	Regional Faculty Workshop Date: 24-07-25	Faculty	Dr, G. Sree Lakshmi
4	Dr.G.Sanath Kumar	Dy.Director, MSME	Neuromorphic Testbench Design foe SoC Verification	III ECE Students	Dr, G. Sree Lakshmi
5	Dr.A.Hymavathi,	Professor, S&H dept, Sreyas College of Engineering and Technology	Environmental Science Date:26-07-2025 Mode: Online at GCET	All II B.Tech Students and Faculty of GCET	Ms. A.R.L Padmaja GCET

2. 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
1	Mr.K.Satish Babu	FDP	Antenna Design and Simulation using CST-EM Tool.	30-06-2025 and 05-07-2025	CMRCET, Hyderabad.
2	Mr. P.Chandra Prakash Reddy	FDP	Next-Gen Stem Teaching with Python and Intelligent Machines.	30-06-2025 to 04-07-2025	GCET
3	Dr.M.Anand	FDP	Next-Gen Stem Teaching with Python and Intelligent Machines.	30-06-2025 to 04-07-2025	GCET
4	Ms.M.Laxmi	FDP	Next-Gen Stem Teaching with Python and Intelligent Machines.	30-06-2025 to 04-07-2025	GCET
5	Ms.B.Sumithra	FDP	Next-Gen Stem Teaching with Python and Intelligent Machines.	30-06-2025 to 04-07-2025	GCET
6	Ms.A.R,L,Padmaja	FDP	2025 International Conference on Electronic Computing and Communication Technologies (CONECCT)	30-06-2025 to 04-07-2025	GCET
7	Dr. Y. Nagalakshmi	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
8	Ms.B. Sreelatha	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
9	Ms.M. Umarani	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
10	Ms.M. Sowjanya	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
11	Mr.D. Venkata Rami Reddy	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
12	Dr. P. Sudhakar	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET

13	Dr. G. Vallathan	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
14	Mr.N. Anjneyulu	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
15	Dr. U. Appala Raju	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
16	Ms. B. Sumitra	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
17	Mr. Rama Chandra Kumar	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
18	Mr. D. Venkateshwarlu	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
19	Dr. Y. Nagalakshmi	Refresher Course	A 6-Day Refresher Course on “Digital Design”	07-07-2025 to 12-07-2025	GCET
20	Dr.M.Shoukath Ali	FDP	Emerging Research Trends in VLSI, Signal Processing and Communications.	01-07-2025 to 10-07-2025	E & ICT Academy, NIT Warangal.
21	Dr.B.Ramu	FDP	Enhancing Academic Research Excellence: A Comprehensive Approach to Research Methodology and AI Integration.	23-07-2025 to 28-07-2025	Research & Development Cell, Poornima University, Jaipur.
22	Dr.B.Ramu	FDP	Advances in 6G wireless communication networks	28-04-2025 to 07-05-2025	E & ICT Academy, NIT Warangal.
23	Ms.K.Mamatha	FDP	Advances in 6G wireless communication networks	28-04-2025 to 07-05-2025	E & ICT Academy, NIT Warangal.
24	Mr.K.Rama Rao	FDP	Advances in 6G Wireless Communication Network	28-04-2025 to 07-05-2025	E & ICT Academy, NIT Warangal.
25	Dr.M.Shoukath Ali	FDP	Advances in 6G Wireless Communication Network	28-04-2025 to 07-05-2025	E & ICT Academy, NIT Warangal.

26	Mr.Dorsela Venkata Rami Reddy	FDP	Advances in 6G Wireless Communication Network	28-04-2025 to 07-05-2025	E & ICT Academy, NIT Warangal.
27	Dr.P.Sudhakar	FDP	Advances in 6G Wireless Communication Network	28-04-2025 to 07-05-2025	E & ICT Academy, NIT Warangal.
28	Dr.Piratla Srihari	FDP	Advances in 6G Wireless Communication Network	28-04-2025 to 07-05-2025	E & ICT Academy, NIT Warangal.
29	Ms.S.Jyothirmaye	FDP	Advances in 6G Wireless Communication Network	28-04-2025 to 07-05-2025	E & ICT Academy, NIT Warangal.
30	Ms.Savithri Padma Priya V	FDP	Advances in 6G Wireless Communication Network	28-04-2025 to 07-05-2025	E & ICT Academy, NIT Warangal.
31	Dr.B.Leelaram Prakash	FDP	Advances in 6G Wireless Communication Network	28-04-2025 to 07-05-2025	E & ICT Academy, NIT Warangal.
32	Mr.V.Amareswar	FDP	Advances in 6G Wireless Communication Network	28-04-2025 to 07-05-2025	E & ICT Academy, NIT Warangal.
33	Ms.S.Jyothirmaye	FDP	Hands on Training Emerging Nano Technology Low and High Power Devices	14-07-2025 to 18-07-2025	SR University, Warangal

Conference Papers:

S. No	List of Authors	Title of the Paper	Conference Name	Year of Publication	ISBN/ ISSN	Indexing
1	Prof. B. Hari Kumar	An IoT-Based CNN-LSTM Hybrid Model for Real-Time Water Quality Monitoring in Smart Agriculture.	International Conference on Information, Implementation, and Innovation in Technology 2025.	presented 04-07-2025 and 05-07-2025	--	Scopus-indexed

2	Ms. B Sreelatha	Accurate Fake News Detection in Text-Based Content Using K-Nearest Neighbor, LSTM, MLP and CNN Models	2025 International Conference on Computing Technologies & Data Communication (ICCTDC)	presented 04-07-2025 and 05-07-2025	--	Scopus-indexed
3	Ms.J,Mrudula	Performance Analysis of Spiking Neural Networks using Sinabs for Classification of Cotton Weeds	2025 International Conference on Electronic Computing and Communication Technologies (CONECCT)	presented 10-07-2025 to 13-07-2025	--	Scopus-indexed
4	Ms.M.Sowjanya	A GAN-Based Approach for Automated Plant Disease Classification Using Image Processing Techniques	2025 International Conference on Computing Technologies & Data Communication (ICCTDC)	presented 04-07-2025 and 05-07-2025	--	Scopus-indexed
5	Mr.K.RamaRao	Integrating CNN-LSTM and Hybrid Machine Learning for Lung cancer prediction based on Air quality.	8th International Conference on Computing Methodologies and Communication (ICCMC 2025)	Presented 23-07-2025 to 25-07-2025	--	Scopus-indexed
6	Mr.K.RamaRao	Employing deep learning Framework using MRI for accurate brain tumor detection	3rd World Conference on Communication & Computing (WCONF 2025)	Presented 25-07-2025 to 27-07-2025	--	Scopus-indexed
7	Mr.N.Anjaneyulu	Improving Liver Cancer Detection with GAN-Enhanced Medical Imaging and CNN-Based Classification	3rd World Conference on Communication & Computing (WCONF 2025)	Presented 25-07-2025 to 27-07-2025	--	Scopus-indexed
8	Dr.M.Anand	Particle Swarm Optimization with Confidence Matrix for Land Use and Land cover Classification	4th international Conference on 6G Communications Networks and Signal Processing (SGCNSP-2025)	Presented 27-06-2025 to 28-06-2025	--	Scopus-indexed

3. 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	Machine learning & IoT based dynamic bandwidth allocation system for 6G wireless networks.	Dr.M.Shoukath Ali	04-07-2025	GCET	--	July 2025	Published
2	AI based IQ level detection device	Dr.B.Ramu	21-02-2025	GCET	--	February -2025	Published
3	Low-latency neural network architecture optimized for edge device inference	Mr . K Satish Babu	25-07-2025	GCET	--	July -2025	Published
4	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
5	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

4.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	Stationery Donation Program for Govt. School children titled “Kit of Kindness”	16-07-2025 to 28-07-2025	NSS Unit, GCET

2	Teaching in Govt primary schools by GCET students under Vidhta Vikas Abhiyaan Project	25-04-2025 to 26-07-2025	NSS Unit, GCET
3	Teaching in Govt High schools by GCET faculty under Vidhta Vikas Abhiyaan Project.	25-04-2025 to 26-07-2025	NSS Unit, GCET
4	Interactive session by Mrs.K.Sandhya, (Consultant) on the topic “Core Dimensions and tips to improve Life well-being”	28-07-2025 and 31-07-2025	NSS Unit, GCET

5. Action plan for new MoUs, if any

6.Any other relevant/significant information:

Faculty Achievements:

1. Mr. R. Odaiah, Associate Professor, was honored with the Best Social Service Award by the Nature Science Foundation, Coimbatore, Tamil Nadu, India .

2. Mr. Saketh, a 2022 graduate (as part of an alumni interaction) and currently working as an Embedded Engineer, addressed the final year students on career guidance through an online session at 7:30 PM on 25-07-2025.

3. Mr. Uma Kanth Vinjam, FBA Support Ops Specialist at Amazon, addressed the III Year students as part of an alumni interaction session on the topic “Financial Freedom Post-B.Tech: Why It Matters” held on 19th July 2025. The session was coordinated by Ms. M. Umarani, Senior Assistant Professor, ECE, and Mr. P. Chandra Prakash Reddy, Assistant Professor, ECE.

4. Dr. G. Vallathan, Associate Professor, delivered a session titled “Research Paper Writing: A Step-by-Step Approach” on 31st July 2025 from 2:00 PM to 3:50 PM for final-year ECE students. The session aimed to guide students in transforming their project work into research publications as part of the IEEE conference publication process.

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

Faculty meeting on 05/07/2025



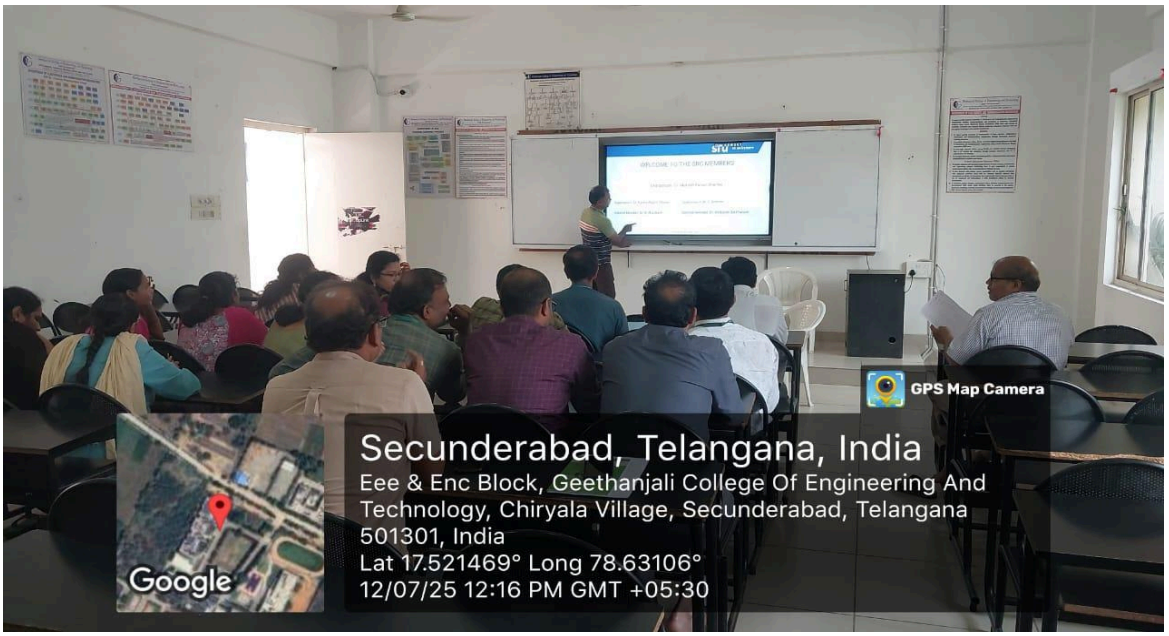






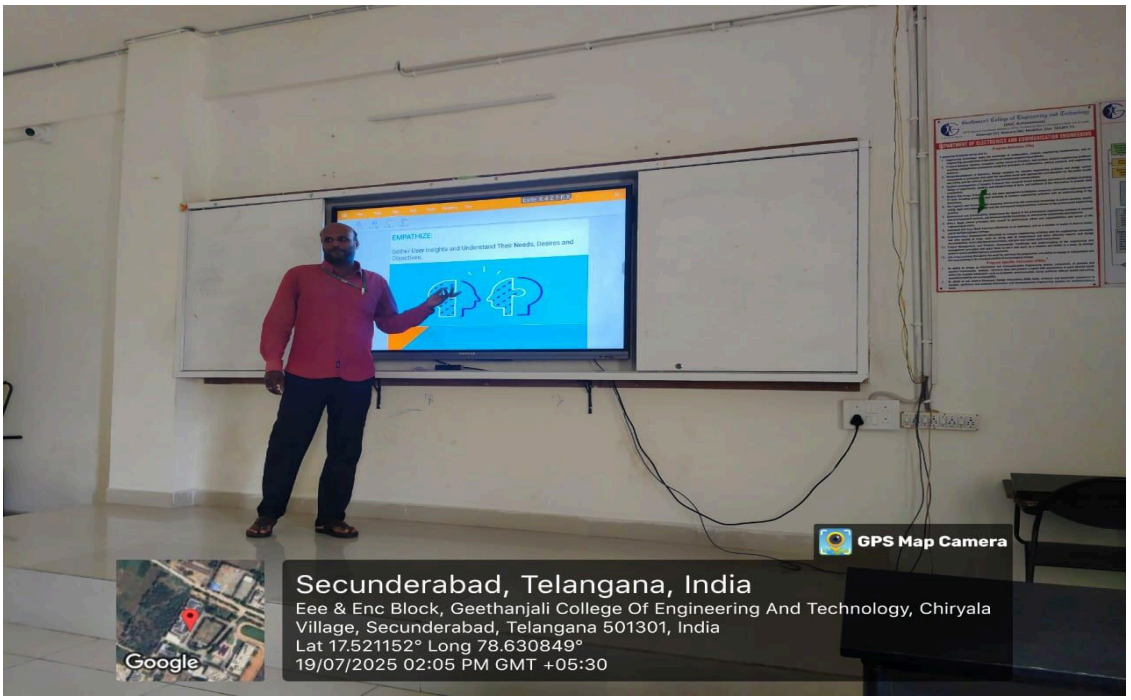
RH National seminar ON 09/07/2025





Faculty presentation on 12/07/2025





Faculty presentation on 19/07/2025



Carrier Guidance in Embedded systems for III year students



Carrier guidance by Ms.Manjula for 3rd year ECE students on 30/07/2025



Four students from ECE selected for Mistral solutions which is an core Embedded company on 30/07/2025



A session on Research Paper Writing was organized today from 2:00 p.m. to 3:50 p.m. A total of 44 students from IV ECE participated in the session.