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: **01-08-2025 to 31-08-2025**

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.Hymavathi,	Professor, S&H dept, Sreyas College of Engineering and Technology	Natural resources Date:23-08-2025 Mode: Online at GCET	All II B.Tech Students and Faculty of GCET	Ms. A.R.L Padmaja GCET
2	Dr.A.Hymavathi,	Professor, S&H dept, Sreyas College of Engineering and Technology	Natural resources Date:30-08-2025 Mode: Online at GCET	All II B.Tech Students and Faculty of GCET	Ms. A.R.L Padmaja GCET

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	Remarks
1	ASIC Front –end implementation flow using Synopsys tools	III ECE students	02-08-2025 to 03-08-2025	120	-	Mr. G. Ramachandra Kumar, Assistant Professor Mr. M. Chathar Singh, Assistant Professor
2	CLTR+SHIFT+SKILL (Srujunastra club) (online)	II and III Year ECE students	05-08-2025 to 06-08-2025	56	-	Coordinator: Ms. M.Laxmi Assoc. Professor
3	Logic Quest	II,III Year students	07-08-2025			Coordinator: Dr.Appala Raju Uppala Assoc. Professor
4	Mind Zone 7.0(online)	All ECE students	07-08-2025	70	-	Coordinator: Ms. M.Laxmi Assoc. Professor
5	Basic Programming Concepts for Arduino and Vega Processors	II ECE students	04-08-2025 for every Saturday	30	-	Coordinator: Mr. P. Chandra Prakash, Sr. Assistant Professor
6	ROBOGEN (Hackathon)	All branch students	21-08-2025 to 24-08-2025	45	-	Coordinators: Mr. P. Chandra Prakash, Dr.M.Anand, Ms.S.Jyothirmayee

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
1	Mr.Kaparapu Satish Babu	Six-Day National Level Online FDP	Re-Configurable and Compact Antennas: Enabling Real-Time Solutions in Wearable and Healthcare Technologies	21.07.2025 to 26.07.2025	Rajalakshmi Engineering College
2	Mrs B.Sumithra	FDP	AICTE Training And Learning (ATAL) Academy Faculty Development Program	18.08.2025 to 23.08.2025	Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology (VNRVJIET)

4..Details of Research Publications.

Conference Papers:

S. No	List of Authors	Title of the Paper	Conference Name	Year of Publication	ISBN/ ISSN	Indexing
1	Ms.S.Jyothirmaye	Revolutionizing CKD Prediction with Bayesian Optimized Light GBM for Clinical Decision Support.	International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025)	05-06-2025 and 06-06-2025	ISBN: 979-8-3315-1485-3	Scopus-indexed

2	Dr.G.Vallathan	Revolutionizing CKD Prediction with Bayesian Optimized Light GBM for Clinical Decision Support.	International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025)	05-06-2025 and 06-06-2025	ISBN: 979-8-3315-1485-3	Scopus-indexed
3	Mr. G.Venkateswaralu	Multi-Modal Fusion for Spatial and Temporal Features for Radar Signal Sensing	International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025)	05-06-2025 and 06-06-2025	ISBN:979-8-3503-9111-4	Scopus-indexed
4	Dr.G.Vallathan	Multi-Modal Fusion for Spatial and Temporal Features for Radar Signal Sensing	International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025)	05-06-2025 and 06-06-2025	ISBN:979-8-3503-9111-4	Scopus-indexed
5	Ms.M.Uma Rani	Multi-Head Attention Mechanism in CNN-LSTM for Real Time ECG Arrhythmia Detection	International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025)	05-06-2025 and 06-06-2025	ISBN: 979-8-3315-1485-3	Scopus-indexed
6	Dr.G.Vallathan	Multi-Head Attention Mechanism in CNN-LSTM for Real Time ECG Arrhythmia Detection	International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025)	05-06-2025 and 06-06-2025	ISBN: 979-8-3315-1485-3	Scopus-indexed

7	Ms.A.R.L.Padmaja	Multi-Head Attention Mechanism in CNN-LSTM for Real Time ECG Arrhythmia Detection	International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025)	05-06-2025 and 06-06-2025	ISBN: 979-8-3315-1485-3	Scopus-indexed
8	Ms.M.Uma Rani	Energy-Efficient Routing with LSTM-Attention DQN for Anomaly Detection in Networks	International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025)	05-06-2025 and 06-06-2025	ISBN: 979-8-3315-1485-3	Scopus-indexed
9	Dr.G.Vallathan	Energy-Efficient Routing with LSTM-Attention DQN for Anomaly Detection in Networks	International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025)	05-06-2025 and 06-06-2025	ISBN: 979-8-3315-1485-3	Scopus-indexed
10	Mr.A.Shankar	Emotion Prediction Using Deep Learning	3rd International Conference on Intelligent and Secure Engineering Solutions (CISES-2025).	11-08-2025 to 13-08-2025	Presented a Paper	
11	Dr.P. Vijai Bhaskar	An Interpretable Stacking Ensemble Model AB-CBLC for High-Accuracy Lung Cancer Detection using Clinical and Behavioral Data	8th International Conference on Computing Methodologies and Communication (ICCMC 2025)	23-07-2025 to 25-07-2025	Presented a Paper	
12	Dr.P. Vijai Bhaskar	Simulation and Analysis of ECG	5th Asian Conference on	22-08-2025 to 23-08-2025	Presented a Paper	

		Signal in Time Domain and Frequency Domain	Innovation in Technology (ASIANCON)			

5. 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	21R11A04F3	Y.Uday Kiran	MS in US	IELTES Score:6.5
2	21R11A04E3	S.Bhavya	MS in UK	Not Required

6. 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	Cloud-based Machine Learning platform for personalized heart disease prediction using electronic health records.	Mr.Nangunuri Anjaneyulu	Indian utility patent journal	GCET	--	01-08-2025	Published
2	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
3	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

7. 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	MAD(Make a difference)	01-08-2025	NSS Unit, GCET
2	Recruitment of student volunteers 2025	05-08-2025 and 06-08-2025	NSS Unit, GCET
3	Raksha Bandhan with 99 RAF Bettalian,hakimpet	09-08-2025	NSS Unit
4	NSS Orientation DAY celebrations 2025	13-08-2025	NSS Unit
5	Movie Screening in Thimmaipally village (RAZAKAR)	24-08-2025	NSS Unit
6	Distribution of Lord Ganesh clay Idols in Yadgarpally village and Deans/HoDs of GCET	26-08-2025	NSS Unit
7	Skit on Ganesh Jananam In Yadgarpally Govt High School	29-08-2025	NSS Unit
8	Interview session with Senior Journalist Mr.Suresh Kochattil	30-08-2025	NSS Unit
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8.Details of Industry visits organized/planned by the departments

S No	Dept	Associated Industry, Address	Visit provided to (Year / section)	Date of visit	Faculty Coordinator	No. of students visited	Remarks
1	ECE	VGS and Technologies in Kushaiguda	II Year students	04-08-2025	Ms L.Uma Maheshwari		

9.Any other relevant/significant information:

Faculty Achievements:

1. Mr. Uday Kiran, a 2024 graduate, delivered a presentation on "RISC-V: Beyond the Basics for II,III and IV ECE students on 1st August 2025. The session was coordinated by Mr. G. Ramachandra Kumar and Ms. M. Umarani.

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



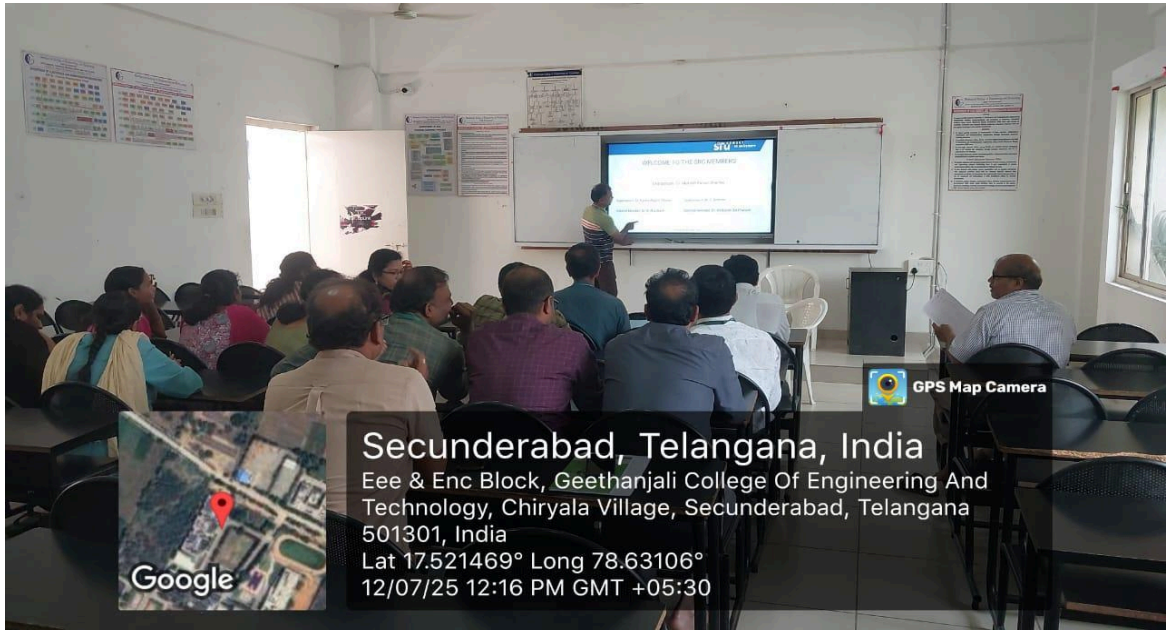






RH National seminar ON 09/07/2025





Faculty presentation on 12/07/2025





Faculty presentation on 19/07/2025



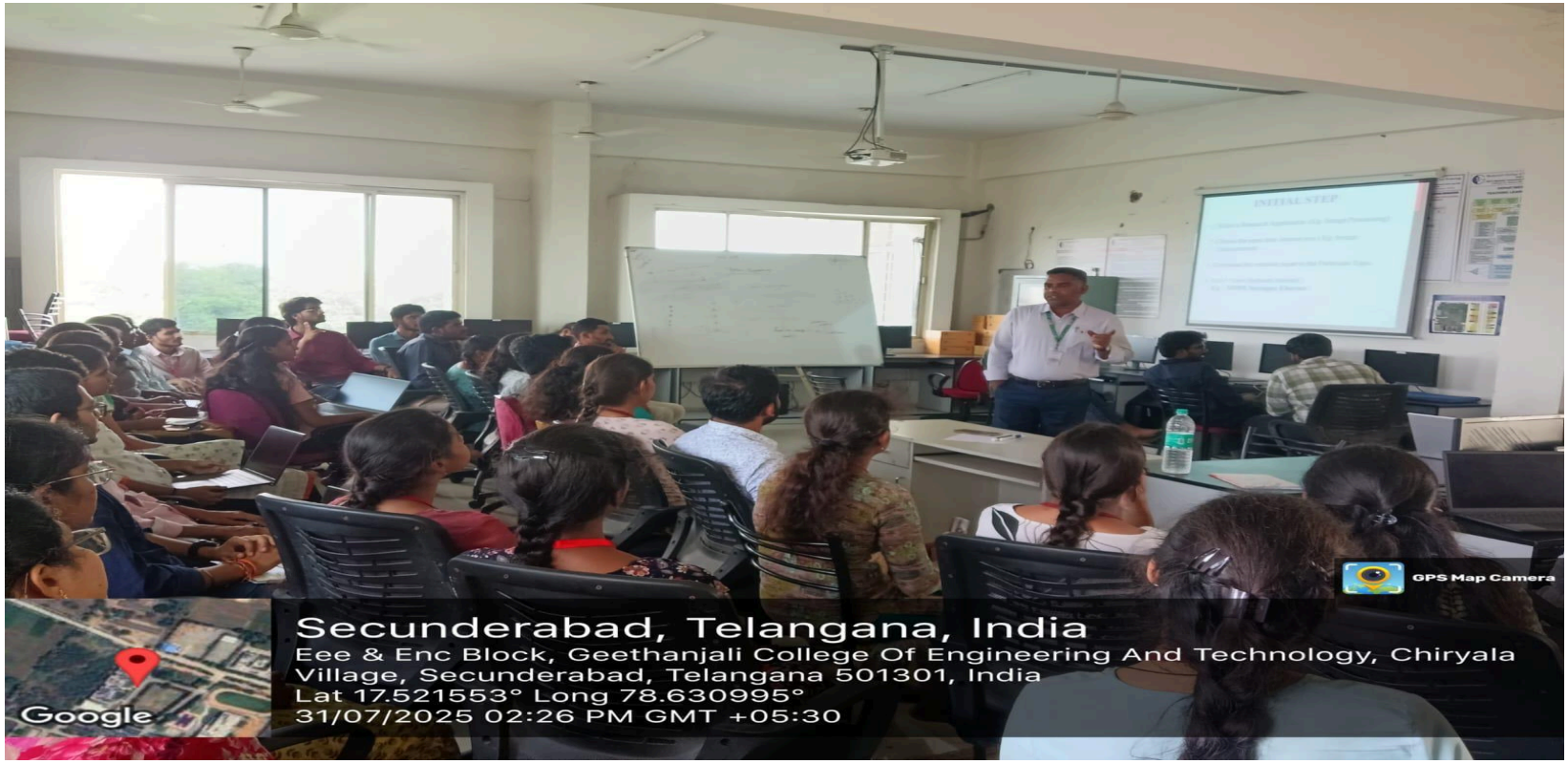
Carrier Guidance in Embedded systems for III year students



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.