

‘GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY
INTERNAL QUALITY ASSURANCE CELL (IQAC)

Department's Monthly Report

Name of the Department: ECE

Date from: **01-05-2025 to 31-05-2025**

1.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(NPTEL)	Deep Learning –IIT Ropar	20-01-2025 to 11-04-2025	IIT Ropar
2	Mrs.L.Uma MaheshwariL	FDP(NPTEL)	Programming In Java	20-01-2025 to 11-04-2025	IIT-Kharagpur
3	Mrs.L.Uma MaheshwariL	FDP(NPTEL)	The Joy of Computing using Python	20-01-2025 to 11-04-2025	IIT-Madras
4	Mrs Laxmi Mitta	FDP(NPTEL)	Machine Learning for Engineering and Science Applications	20-01-2025 to 11-04-2025	IIT-Madras
5	Mrs.Umarani Marri	FDP(NPTEL)	Cloud Computing	20-01-2025 to 11-04-2025	IIT-Madras
6	Mrs. Savithri Padma Priya V	FDP(NPTEL)	Cloud Computing	20-01-2025 to 11-04-2025	IIT-Madras
7	Mr. A.Shankar	FDP(NPTEL)	Deep Learning –IIT Ropar	20-01-2025 to 11-04-2025	IIT Ropar

8	Mr. A.Shankar	FDP(NPTEL)	Introduction to Machine Learning	20-01-2025 to 11-04-2025	IIT-Madras
9	Dr. Appala Raju Uppala	FDP(NPTEL)	Deep Learning –IIT Ropar	20-01-2025 to 11-04-2025	IIT Ropar
10	Mrs. J Mrudula	FDP(NPTEL)	Deep Learning	20-01-2025 to 11-04-2025	IIT-Kharagpur
11	Mrs. J Mrudula	FDP(NPTEL)	Data Analytics with Python	20-01-2025 to 11-04-2025	IIT-Roorkee
12	Mr. Anjaneyulu Nangunuri	FDP(NPTEL)	VLSI Physical Design	20-01-2025 to 11-04-2025	IIT-Kharagpur
13	Mr. P Chandra Prakash Reddy	FDP(NPTEL)	Sensors and Actuators	20-01-2025 to 11-04-2025	IISC-Bangalore
14	Mrs D.Ramya.	FDP(NPTEL)	Deep Learning for Natural Language Processing	20-01-2025 to 11-04-2025	IIT-Madras
15	Mr.M.Anand	FDP(NPTEL)	Deep Learning for Natural Language Processing	20-01-2025 to 11-04-2025	IIT-Madras
16	Mrs. Amirneni Rama L Padmaja	FDP(NPTEL)	Deep Learning for Natural Language Processing	20-01-2025 to 11-04-2025	IIT-Madras
17	Mr.Dorsela Venkata Rami Reddy	FDP(NPTEL)	Cryptography and Network Security	20-01-2025 to 11-04-2025	IIT-Kharagpur
18	Mrs.Bolisetty Sreelatha	FDP(NPTEL)	Machine Learning for Engineering and science applications	20-01-2025 to 11-04-2025	IIT-Madras
19	Dr. Appala Raju Uppala	FDP(NPTEL)	Natural Language Processing	20-01-2025 to 11-04-2025	IIT-Kharagpur
20	Mr.Odaiah R	FDP(NPTEL)	Machine Learning for Engineering and science applications	20-01-2025 to 11-04-2025	IIT-Madras
21	Mr. P Chandra Prakash Reddy	FDP(NPTEL)	Machine Learning for Soil and Crop Management	20-01-2025 to 11-04-2025	IIT-Kharagpur
22	Mr.M.Sowjanya	FDP(NPTEL)	Machine Learning for Engineering and science applications	20-01-2025 to 11-04-2025	IIT-Madras

23	Dr.Bonda Leelaram Prakash	FDP(NPTEL)	Natural Language Processing	20-01-2025 to 11-04-2025	IIT Ropar
24	Mr. K.Rama Rao	FDP(NPTEL)	Deep Learning	20-01-2025 to 11-04-2025	IIT-Kharagpur
25	Mr. K.Rama Rao	FDP(NPTEL)	Bio Medical Signal Processing	20-01-2025 to 11-04-2025	IIT-Kharagpur

Faculty NPTEL Certifications:

S.No.	Name of The Faculty	Name of the course	Score	Date(s) attended	Sponsored body/institute
1	Mr. K.Satish Babu	Deep Learning –IIT Ropar	75%	Jan-Feb 2025	IIT Ropar
2	Mrs.L.Uma Maheshwari	Programming In Java	66%	Jan-Apr 2025	IIT-Kharagpur
3	Mrs.L.Uma Maheshwari	The Joy of Computing using Python	61%	Jan-Apr 2025	IIT-Madras
4	Mrs Laxmi Mitta	Machine Learning for Engineering and Science Applications	78%	Jan-Apr 2025	IIT-Madras
5	Mrs.Umarani Marri	Cloud Computing	72%	Jan-Apr 2025	IIT-Madras
6	Mrs. Savithri Padma Priya V	Cloud Computing	75%	Jan-Apr 2025	IIT-Madras
7	Mr. A.Shankar	Deep Learning –IIT Ropar	83%	Jan-Feb 2025	IIT Ropar
8	Mr. A.Shankar	Introduction to Machine Learning	56%	Jan-Feb 2025	IIT-Madras
9	Dr. Appala Raju Uppala	Deep Learning –IIT Ropar	57%	Jan-Feb 2025	IIT Ropar
10	Mrs. J Mrudula	Deep Learning	62%	Jan-Feb 2025	IIT-Kharagpur
11	Mrs. J Mrudula	Data Analytics with Python	76%	Jan-Feb 2025	IIT-Roorkee

12	Mr. Anjaneyulu Nangunuri	VLSI Physical Design	52%	Jan-Feb 2025	IIT-Kharagpur
13	Mr. P Chandra Prakash Reddy	Sensors and Actuators	58%	Jan-Feb 2025	IISC-Bangalore
14.	Mrs D.Ramya.	Deep Learning for Natural Language Processing	66%	Jan-Feb 2025	IIT-Madras
15	Mr.M.Anand	Deep Learning for Natural Language Processing	62%	Jan-Feb 2025	IIT-Madras
16	Mrs. Amirneni Rama L Padmaja	Deep Learning for Natural Language Processing	56%	Jan-Feb 2025	IIT-Madras
17	Mr. Dorsela Venkata Rami Reddy	Cryptography and Network Security	73%	Jan-Feb 2025	IIT-Kharagpur
18	Mrs.Bolisetty Sreelatha	Machine Learning for Engineering and science applications	84%	Jan-Feb 2025	IIT-Madras
19	Dr. Appala Raju Uppala	Natural Language Processing	49%	Jan-Feb 2025	IIT-Kharagpur
20	Mr.Odaiah R	Machine Learning for Engineering and science applications	69%	Jan-Feb 2025	IIT-Madras
21	Mr. P Chandra Prakash Reddy	Machine Learning for Soil and Crop Management	69%	Jan-Feb 2025	IIT-Kharagpur
22	Mr.M.Sowjanya	Machine Learning for Engineering and science applications	78%	Jan-Feb 2025	IIT-Madras
23	Dr.Bonda Leelaram Prakash	Natural Language Processing	62%	Jan-Feb 2025	IIT Ropar

24	Mr. K.Rama Rao	Deep Learning	61%	Jan-Feb 2025	IIT-Kharagpur
25	Mr. K.Rama Rao	Bio Medical Signal Processing	54%	Jan-Feb 2025	IIT-Kharagpur

2. Details of Research Publications.

Journal Papers:

S. No	List of Authors	Title of the Paper	Journal Name	Year of Publication	ISBN/ ISSN/	Scopus Index / SCI
1.	Dr.Y.Naga Lakshmi	High-Frequency Circuit Design For Power Electronics In Modern Communication Devices	ESCI journal Metallurgical and Materials Engineering	May 2025		ESCI
2	Dr. Appala Raju Uppala	Hardware Architecture of Efficient Image Dehazing Technique for Advanced Driving Assistance System	Computers and Electrical Engineering	Elsevier May 31, 2025	0045-7906	SCI (Q1) H-Index-106

Conference Papers:

S. No	List of Authors	Title of the Paper	Conference Name	Year of Publication	ISBN/ ISSN	Indexing
1	Prof.Budhavarapu Hari Kumar	Enhancing Student Engagement and Learning Outcomes in Higher Education Through E-Learning and Restricted Boltzmann Machines	3rd IEEE International Conference on Data Science and Information System (ICDSIS-2025)	--	Presented Paper	Scopus
2	Mrs.M.Laxmi	Enhancing Sustainable Agriculture with IoT- Based Soil Fertility and Crop Selection	6th International conference of Emerging Technology (ICET 2025), 22nd - 24th May, 2025. JCE ,Belagvi,India	--	Presented Paper	Scopus

		Using Hybrid Stacked Ensemble Models and Explainable AI				
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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
1	Blockchain-Integrated AI System for Fraud Detection in Financial and E-Commerce Transactions	Mrs.M.Sowjanya	Indian utility patent journal	GCET	Presented Paper	May 2025
2	Cloud-Integrated System and Method for Health Diagnostics Using IoT Biomedical Devices and Machine Learning	Mrs. B.Sreelatha	Indian utility patent journal	GCET	Presented Paper	May 2025
3	Machine Learning-Based Approaches for Detecting Anomalies and Fraud in Bitcoin Blockchain Transactions	Mrs. M. Laxmi	Indian utility patent journal	GCET	--	May 2025
4	Deep Learning Model for Classification of Organic and Non-organic Images	Mrs. M. Laxmi	Indian utility patent journal	GCET	--	May 2025

5	Content Based Medical Image retrieval system using Pattern Recognition	Mrs.S.Jyothirmaye	Indian utility patent journal	GCET	--	May 2025
6	Automated Curriculum Optimization, Pedagogical Enhancement, And Teaching Strategy Personalization Using Machine Learning And Data-Driven Learning Analytics	Mr. M.Chathar Singh	Indian utility patent journal	GCET	--	May 2025

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	Special Camp 2025 @ Eturu Nagaram(Mandal), Mulugu (Dist)	03-05-2025 to 09-05-2025	NSS unit, GCET

5.Action plan for new MoUs, if any

6.Any other relevant/significant information:

- Our department has received an extension of NBA Tier-I accreditation for the academic years 2025-2026 to 2027-2028, valid up to 30-06-2028.
- Dr. Appala Raju Uppala received the NPTEL Discipline STAR award in Computer Science Engineering for the January–April 2025 session.

Faculty member in-charge
Mr.A.Shankar

Overall Coordinator
Dr. Appala Raju Uppala

Head of the Department
Dr.G.Sreelakshmi

