

**ELECTRONICS &
COMMUNICATION ENGINEERING**

CAMPUS PULSE

NEWS LETTER



2024-25 Issue4(April-June)



**LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING
MYLAVARAM**

Quarterly Report A.Y.2024-25 (01-04-2025 to 30-06-2025)

Name of the Department: ECE

Events Organized by the department: Nil

Conferences/ FDPs/STTPs/ *Staff Colloquiums*/ Workshops/ Certification programs/ Guest Lectures / Technical Club Activities/ Student Chapter/ Professional Society/Chapter activities/Hackathons/ Alumni Interactions

Industry Institute Interactions:

Industrial Visits: Nil

Interaction with outside world:

Acted as session chair. (External):1

S. No	Name of the Faculty	Name of the conference	Institute/Organization	Date
1	Dr.Y.Amar Babu	International conference on computer science and communication Engineering	Holy Mary Institute of Technology & Science, Hyderabad, Telangana,	25-04-2025 to 26-04-2025

Acted as Resource Persons. (External):1

S. No	Name of the Faculty	Name of the Topic	Institute/Organization	Date
1	Mr.T.Anil Raju	Digital image processing and its applications	PACE Institute of Technology and sciences	31-01-2025

Faculty attended International / National Conferences (External):3

S. No	Name of the Faculty	Name of the Conference	Institute/Organization	Dates
1	Dr. G. Srinivasulu	IEEE 4th International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE)	Ballari Institute of Technology & Management	25-04-2025 to 26-04-2025

2	Dr.Y.Amar Babu	International conference on computer science and communication Engineering	Holy Mary Institute of Technology & Science, Hyderabad, Telangana,	25-04-2025 to 26-04-2025
3	Dr.P.Venkat Rao	International conference on sustainable Air and space technologies	Karunya institute of Technology and sciences	25-04-2025 to 26-04-2025

Online/ face-to-face FDPs attended (External): 13

S. NO	Name of the Faculty	Name of the FDP	Conducted Department	Duration
1	Dr. T. Satyanarayana	"World Intellectual Property Day: 2025" IP and Music: Feel the Beat of IP in A.P.	organized by RUSA 2.0 - Acharya Nagarjuna University	24-04-2025
2	Dr Y Amar Babu	Low Power ASIC Design & Physical Design Optimization	CVR College of Engineering.	APRIL 28 - MAY03,2025
3	Dr Y Amar Babu	"AI and Collaborative Research"	VIT-AP University, Amaravati,	APRIL 29 - MAY06,2025
4	Dr.P.Rakesh Kumar	ANRF Sponsered FDP on Recent Advancements in RF and Antenna Technology	SRM University	MAY16-MAY 20,2025
5	Dr.K.Ravi kumar	ANRF Sponsered FDP on Recent Advancements in RF and Antenna Technology	SRM University	MAY16-MAY 20,2025
6	Dr.K.Rani Rudrama	ANRF Sponsered FDP on Recent Advancements in RF and Antenna Technology	SRM University	MAY16-MAY 20,2025
7	Mr.T.Anil Raju	"Generative AI and Large Language Models"	Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad	May19-MAY30, 2025

8	Mr.P.Venkateswara Rao	ANRF Sponsered FDP on Recent Advancements in RF and Antenna Technology	SRM University	MAY16-MAY 20,2025
9	Mr.Ch. Sivarama Krishna	ANRF Sponsered FDP on Recent Advancements in RF and Antenna Technology	SRM University	MAY16-MAY 20,2025
10	Dr. A. Narendra Babu	Ignite India FDP program sponsored by JNTUK	PVP Sidhartha Engineering College	16-06-2025 to 20-06-2025
11	Dr. B.V.N.R. Siva Kumar	Mental health and Stress Management	Manipur university, Manipur	23-06-2025 TO 28-06-2025
12	Dr.E.V. Krishna Rao	Reconfigurable Intelligent Surfaces for 6G Wireless Communication	Indian Institute of Information Technology, Chennai	23-06-2025 to 28-06-2025
13	Dr.Y.Amar Babu	Quantum Technologies	Indian Institute of science	26-06-2025 to 27-06-2025

Faculty attended course (External):1

S. No	Name of the Faculty	Name of the course	Institute/Organization	Date
1	Dr.P.Venkat Rao	VLSI For Beginners	National institute of Electronica and Information Technology	12-06-2025 to 16-06-2025

Faculty Attended Webinar:01

S. No	Name of the Faculty	Name of the Webinar	Institute/Organization	Dates
1	Dr. T. Satyanarayana	IP Awareness/Training program (Webinar) under National Intellectual Property Awareness Mission (NIPAM)	Intellectual Property Office, India	24-04-2025

Research and Development

Publications:

Journals (WoS/SCI/SCOPUS):10

Title of paper	Name of the Author/s	Name of journal / Conference	ISSN Number	Link of the recognition in UGC Enlistment of the Journal
Optimization of solar-wind-battery Energy Storage systems in a Large Scale Networked Microgrids for the minimization of overall grid cost using improved butterfly optimizer	Raja Dhanavath, Satish Kumar Injeti, Busi Rambabu	Journal of Active and Passive Electronic Devices	1555-029X	https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-18-number-3-2025/japed-18-3-p-195-216/
The Effect of Strain Pulses on PVC-Graphite Nickel Thick Film Resistors	K.Saujanya, B.Poornaiah , A. Kamala Kumari, Y. Srinivasa Rao	Journal of Active and Passive Electronic Devices	1555-029X	https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-18-number-4-2025/japed-18-4-p-317-325/
Unveiling the Depths of Stromal Layer Analysis with Deep Learning: Harnessing Mobilenet V2 Algorithm for Comprehensive Insights	Kamireddy Vijay Chandra, C.V. Rambabu, D.Manju, N. Syamala, Poornaiah Billa	IEEE 2025 15 th International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT),	979-8-3503-5623-6	https://doi.org/10.1109/ICAECT63952.2025.10958951
Grid-Edge optimization for maximizing the utilization of solarbattery and wind biomass	Raja Dhanavath, Satish Kumar Injeti, Rambabu Busi	Journal of Active and Passive Electronic Devices	1555-029X	https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-18-number-4-2025/japed-18-4-

systems in Large-Scale Networked Microgrids to minimize overall cost				p-257-281/
Design and Analysis of a Triple-Band Stacked T-Polyimide Antenna for WBAN Applications” in, 155, 177-187, , ISSN:	Kodali Rani Rudrama, Vallabhuni Tulsi Naga Kalyan, Bachalakuri shini, Marampudi Vamsi	Progress in Electromagnetic s Research C	1937-8718	http://dx.doi.org/10.2528/PIERC25021403
Grid-Edge optimization for maximizing the utilization of solarbattery and wind biomass systems in Large-Scale Networked Microgrids to minimize overall cost	Raja Dhanavath, Satish Kumar Injeti, Rambabu Busi	Journal of Active and Passive Electronic Devices	1555-029X	https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-18-number-4-2025/japed-18-4-p-257-281/
Hybrid medical image encryption with compression framework for Internet of Medical Things	Anandbabu Gopatoti, James Stephen Meka, Poornaiah Billa	Computers and Electrical Engineering	1879-0755	https://doi.org/10.1016/j.compeleceng.2025.110443
Deploying Lightweight Mobilenet Models on Edhe devices for energy efficient real time AI in IOT Networks	Bethala Ramya, Jagadeeswara Rao Annam, V Sitarahalakshmi, V.V. Rama Krishna, K.Trinadh, Ravi Kumar, Rednam S S Jyothi, Krishna Suresh, Anil Kumar P	Journal of Theorotical and Applied Information Technology	1992-8645 1992-8645	https://www.jatit.org/volumes/Vol103No11/11Vol103No11.pdf

Optimizing Real Time IOT Processing with Hybrid Edge Cloud Architecture for enhanced latency and energy efficiency, in	Anil Kumar Pallikonda, Anil Kumar Katragadda, Jagadeeswara Rao Annam, V.V. Rama Krishna , Sai Sirisha Chittineni, Eswar Patnala, Vipparla Aruna	Journal of Theoretical and Applied Information Technology	1992-8645	https://www.jatit.org/volumes/Vol103No12/16Vol103No12.pdf
Characteristic Modes Analysis of CPW-FED UWB Monopole Antenna for Short-Distance Wireless Communication	Bhaskara Rao Perli, K. Jagadeesh Babu, Tathababu Addepalli, M.Kishore Kumar, J.Prasanth Kumar, M.Venkata Sudhakar , A. Lakshmi Narayana, Rajyalakshmi Uppada	Telecommunications and Radio Engineering	1943-6009	http://doi.org/10.1615/TelecomRadEng.2025.053368

Awards Received – (01)

Dr.G.Srinivasulu awarded with “Best Paper Presenter” in 4th International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2025) held at Ballari Institute of Technology & Management, Ballari during 25-26 April 2025

Grants received from Government and non-governmental agencies for research: (02)

Title	Name the Faculty	Name of the Funding agency	Type (Government/ Non-Government)	Funds provided (INR in lakhs)
IoT Enabled accident prevention system	Dr.G. Srinivasulu	MSME	Government	15,00,000 /-

Smart Gas Leakage detection, Monitoring and prevention system for smart cities	Dr.T. Satyanarayana	MSME	Government	15,00,000 /-
--	---------------------	------	------------	--------------

Patent publications:02

S.No	Name of Applicant / Inventor	Title of the Patent	Submitted / Published / Awarded	Patent Number	Patent Office
1.	Kola Balavani	YOLOv8 powered smart Gate Opener using Raspberry Pi Pico and Easy OCR	Published	202541042978 A	India
2.	Kola Balavani	Eco-Smart Solar Drying with Adaptive Climate Sensing and Power Flexibility	Published	202541035299 A	India

Students' Achievements/Recognitions:Placements

1. DELPHI TVS TECHNOLOGIES-111-3LPA

S.NO	ROLL NUMBER	NAME
1.	21761A0401	Angirekula Sai Adithya
2.	21761A0403	Anumolu Amrutha
3.	21761A0404	Avuluri.Sathvika
4.	21761A0405	B Alekhya
5.	21761A0408	Chennu Yamini
6.	21761A0409	Chintalapudi Jyothsna
7.	21761A0412	D Venkata Subba Reddy
8.	21761A0414	Eluru Mani Kumar
9.	21761A0416	Golla Sindhu
10.	21761A0419	Jampana Divya Latha
11.	21761A0422	Kollabattina Ganesh
12.	21761A0423	Komati Damarika Sneha Latha Sree
13.	21761A0425	Korukonda Gowthami
14.	21761A0426	K . Jayanth Kumar
15.	21761A0429	Madhuri Harsha Naga Vardhan
16.	21761A0431	Madhuri Mule
17.	21761A0435	Nerusu Mamatha
18.	21761A0436	N Thejasri

19.	21761A0442	Pothuraju Abhi Rama
20.	21761A0444	Raavi Niranjan Chowdary
21.	21761A0447	S Sindhuja
22.	21761A0450	Shaik Hazarath Kousif
23.	21761A0454	Shaik Shakeela
24.	21761A0459	Thanniru Venkata Krishna
25.	21761A0460	Sai Bala Murali
26.	21761A0462	Valicharla Venkata Ramya Sree
27.	21761A0468	Baddigam Karthik Reddy
28.	21761A0469	Badugu Pravallika
29.	21761A0476	Buddala Rushma Devi
30.	21761A0478	Chede Jayasri
31.	21761A0479	Vasu Deva Reddy
32.	21761A0481	D.Ravindra Nadh
33.	21761A0482	Dara Harsha Vardhini
34.	21761A0489	Karnati Renuka
35.	21761A0491	K Rajkumar
36.	21761A0494	Kunche Venkateswara Rao
37.	21761A0498	Mandadi Madan
38.	21761A04A1	Mediseti Jyothika
39.	21761A04A2	Modugu Naresh Babu
40.	21761A04A3	Mohammed Raqib
41.	21761A04A6	Munna Poojitha
42.	21761A04A7	Namala Vasudha Seshu
43.	21761A04B1	Bhargavi Pamarthi
44.	21761A04B4	Pedagamalla Jaya Krishna Teja
45.	21761A04B5	Uday Kiran Puppala
46.	21761A04C0	Shaik Mahabubi
47.	21761A04C1	Mohitha
48.	21761A04C1	Mohitha Simhadri
49.	21761A04C3	Tulimilli Tarun Sai
50.	21761A04C5	Siva Prasad Reddy Veduru
51.	21761A04D0	Ajmeera Krishna Vamsi
52.	21761A04D1	Alla.Durga Maheswari Devi
53.	21761A04D2	Atmuri Sai Vardhan
54.	21761A04D4	Badisa Dheeraj Kumar
55.	21761A04D5	Bandi Sona
56.	21761A04D6	Battula Likhithasri
57.	21761A04D7	Borra Sree Gayatri
58.	21761A04D9	Priyanka Cherreddy
59.	21761A04E0	Chilumuru Gurulinga Sastry
60.	21761A04E3	Pravarshini Gandepudi
61.	21761A04E4	Gandlapatti Sivani
62.	21761A04E7	Vishnu Jaddu
63.	21761A04E9	Jyothi Indira Priya Dharshini
64.	21761A04F0	Kakumani Nandini
65.	21761A04F1	Katineni Venkata Krishna
66.	21761A04F2	Katta Nanda Kishore
67.	21761A04F5	Koppula Himabindu
68.	21761A04F6	Kota Mercy Manjusha
69.	21761A04F8	Kurakula Raj Kumar
70.	21761A04F9	Revathi Kusu

71.	21761A04G0	Akash Manubolu
72.	21761A04G1	Vamsi Marampudi
73.	21761A04G2	Rohitha.Meesala
74.	21761A04G3	Madhuri Motru
75.	21761A04G4	Ganesh Nalla
76.	21761A04G5	Nallagonda Yamini
77.	21761A04G6	Ajay Naidu
78.	21761A04G7	Abhitha Pamarthi
79.	21761A04G8	Pasupula Meghana
80.	21761A04H1	Rajesh Ponugupati
81.	21761A04H3	Puchakayala Akhila
82.	21761A04H4	Reddycharla Hari Prasad Raju
83.	21761A04H6	Shaik Khasimvali
84.	21761A04H7	Shaik Reshma
85.	21761A04H8	Sai Kumar Taddi
86.	21761A04H9	Talla Sri Bala Krishna
87.	21761A04I2	Tholuchuri Venkateswararao
88.	21761A04I3	Tejasri Tullimilli
89.	21761A04I4	Udumula Venkata Uma Devi
90.	21761A04I5	V Sesikala
91.	21761A04I7	Vallabhuni Tulasi Naga Kalyan
92.	21761A04I8	Jayanth Varada
93.	21761A04I9	Kumari Sai Govardhini Veerla
94.	21761A04J0	Vemula Venkata Nandini
95.	21761A04J1	Yalamanchili Hasmitha
96.	21761A04J2	Y Venkata Sai Kumar
97.	21761A04J3	Yarlagadda Harshitha
98.	22765A0401	Budeti Rajitha
99.	22765A0402	Juturu Sai Suma
100.	22765A0403	K Venu Gowtham
101.	22765A0404	Medabalimi Raghavendra Rao
102.	22765A0405	Mohammed Shoaib
103.	22765A0406	Mokara Chaitanya
104.	22765A0407	Vadada Lalitha
105.	22765A0408	V Vasantha Lakshmi
106.	22765A0411	G Sri Lakshmi Narasimha Swamy
107.	22765A0412	Ramadurgam Rajesh
108.	22765A0413	Uppalapati Satyasri Pragna
109.	22765A0414	Viswanadhapalli Venkat
110.	22765A0415	Vutukuri Lakshmi Lavanya
111.	22765A0416	Baig Asif Ali
112.	22765A0418	Chittem Nani
113.	22765A0423	Reeva Peteti

2.SUTHERLAND – 08-2.8LPA

S.NO	ROLL NUMBER	NAME
1.	21761A0403	A Amrutha
2.	21761A0423	K Sneha Latha Sree
3.	21761A0436	N Thejasri
4.	21761A0487	G Hitesh Reddy

5.	21761A04C1	S Mohitha
6.	21761A04D7	B Sree Gayatri
7.	22765A0401	B Rajitha
8.	22765A0405	Md Shoaib

3. GENZ EDUCATE WING – 14-3LPA

S.NO	ROLL NUMBER	NAME
1.	21761A0405	Balina Alekhya
2.	21761A0425	Korukonda Gowthami
3.	21761A0428	Madu Anusha
4.	21761A0462	Valicharla Venkata Ramyasree
5.	21761A0469	B Pravallika
6.	21761A0480	Chittabattuni Narasimha Reddy
7.	21761A04C1	Simhadri Mohitha
8.	21761A04C5	Veduru Siva Prasad Reddy
9.	21761A04C7	Yanagandala Sudheer Babu
10.	21761A04D6	Battula Likhitha Sri
11.	21761A04D9	Chereddy Priyanka
12.	21761A04E9	Jyothi Indira Priya Dharshini
13.	21761A0405	Balina Alekhya
14.	21761A0425	Korukonda Gowthami

4. WUXI AUTOWELL TECHNOLOGY – 01-6.25LPA

S.NO	ROLL NUMBER	NAME
1.	21761A0405	Balina Alekhya

5. CADSYS- 01-3.5LPA

S.NO	ROLL NUMBER	NAME
1.	21761A04I7	V Tulasi Naga Kalyan