

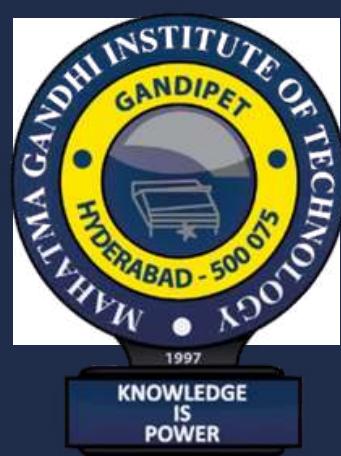
NEWS LETTER

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY



ABOUT US

MGIT envisions, inspires and motivates its students to imbibe knowledge with which they can excel and serve the nation with great elan. To nurture students into disciplined young citizens of irreproachable character, coupled with hands – on training and to make them readily employable by fostering social, cultural and environmental consciousness.



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TRAINING & PLACEMENTS

Details of B.Tech. Placements

S.No	CSE	ECE	EEE	IT	MECH	MCT	CIVIL	MME	CSB	CSD	CSM
1	35	31	15	4	13	9	12	13	11	2	9

Student Training activities – Placement Cell

Name of the Program	Name of the Resource person with organization Details	Duration and Dates	Year & Department	No of students attended
Sharing Session On Skilling Using the KSA Approach (Knowledge-Skilling-Attitude)	Mr. Ashutosh K Akhouri & Team - Being Zero	2.5 hours 1/24/2025	ECE, CSE, IT, CSB, CSD & CSM	400
Interactive Session on "Get Job Ready?"	Mr. Vasu Eda - Author of the Book - Get Job Redy, How to Land a Dream Job Out of College	2 hours 2/3/2025	CIVIL, MECH, MCT & MME	150
The Power of Artificial Intelligene: Now and Next	Mr. Ashrith Racharla Sr. Manager, Data Science, ServiceNow	2 hours 07.02.2025	VI Sem CSE, CSM, CSD, IT, CSB	130

TRAINING & PLACEMENTS

S.No	Name of the Company Visited	No of Students Recruited	Details of Package
1	TTDI (Toshiba)	1	5.54
2	Constelli Signals	1	7
3	Demand Base	1	16
4	Evonith Steel	5	5
5	ADF (Applied Data finance)	1	6.82
6	Medha Servo	3	5.16
7	Global Aluminium	18	3.6
8	Infosys (Phase-1)	21	3.6
9	Turtıl (2026 YoP)	3	6
10	Prism Johnson	2	5
11	Mahindra & Mahindra	12	4.2
12	CMR Green Tech	2	4.25
13	Edu- Versity	52	8
14	Capegemini (2024)	1	4.25
15	Skillsoft	1	10
16	Thoughtworks	2	11
17	Infosys (Phase-2)	5	3.6
18	UTS (Uni String Tech Solutions)	1	4
19	Sattva Group	14	3.7
20	AIEdge	6	4.5
21	Wiley Edge(Mthree) (2024)	2	8

TRAINING & PLACEMENTS

Skill development Programs

- Knowledge Sharing Session on “Skilling Using Knowledge-Skill-Attitude Approach” by Mr. Ashutosh from Being Zero.
- The Session was lively with Real life Examples of Coding and also make the Students understand the importance of Competitive Coding.



TRAINING & PLACEMENTS

- Interactive Session on "Get Job Ready" by Mr. Vasu Eda using the platform.



- The Power of Artificial Intelligence: Now and Next by Mr. Ashrith Racharla from ServiceNow
- The Session gave insights on Service Now Platform and the AI incorporation with the Tool



NSS ACTIVITIES

FIRE SAFETY AWARENESS PROGRAM on 24th January 2025

No. of Students Participated: 250



NSS ACTIVITIES

నమస్కృతెలంగాణ



ఎంజీఎటీ కళాశాలలో విద్యార్థులు, సిబ్బందికి అవగాహన కల్పిస్తున్న
అగ్నిమాపకశాఖ సిబ్బంది

అగ్నిప్రమాదాలపై అవగాహన

మార్చి 24, జనవరి 24 : అగ్నిప్రమాదాలు సంభవించినప్పుడు ఆకస్మికంగా తీసుకోవాల్సిన జాగ్రత్తలు, ప్రమాదాలను అరికట్టే విధానంపై శుక్రవారం గండిపేటలోని మహాత్మాగాంధీ జన్మయ్యాట్ ఆఫ్ టెక్నోలజీ ఇంజినీరింగ్ కళాశాల(ఎంజీఎటీ)లో అవగాహన కార్యక్రమాన్ని తెలంగాణ రాష్ట్ర డిజాప్టర్ రెస్పోన్స్, షైర్కర్ సర్క్యూనిషాఖ సంయుక్తంగా నిర్వహించారు. విద్యార్థులు, నాన్టీచింగ్ సిబ్బందికి ఈ సందర్భంగా అవగాహన

కల్పించారు. ప్రమాదవశాత్తు గ్రాస్ లీక్టై విద్యుత్ వైరల్ షైర్కర్ వస్తే తీసుకోవాల్సిన జాగ్రత్తలపై ప్రయోగాత్మకంగా వివరించారు. ఈ కార్యక్రమంలో కళాశాల ప్రైనీపాల్ జి.చంద్రమోహనరెడ్డి, ఎన్వెస్ ఎన్ అధికారి డా.జి.బాలీరెడ్డి, ఫిజికల్ డైరెక్టర్ బర్నాబోస్, అగ్నిమాపకశాఖ అధికారులు బాలక్రీష్ణ, రవీందర్, రాజు, పణికుమార్, చంద్రశేఖర్, వెంకటయ్య, సిబ్బంది శశిధర్, వర్మ, సుధ తదితరులు పాల్గొన్నారు.

CLUB ACTIVITIES

NIRVANA

- Nirvana - Annual Fest - The Nirvana, MGIT's biggest annual cultural fest, lit up the campus for three unforgettable days of music, dance, art, and pure celebration. From electrifying concerts and dance battles to colourful fashion shows and fun competitions, the fest had something for everyone. The Photography Club was right there, capturing every spark of the fest — the cheers of the crowd, the dazzling lights, and the raw emotions of performers giving their best on stage from 26-03-25 to 28-03-25.



CLUB ACTIVITIES

Music club students participated in Battle of Bands - Music Club KG Reddy Institute of Technology organized Battle of Bands competition on 26th March,2025 .



Students of the Art club – MUSE have done Rangoli art work as part of Women's Day celebrations on 07-03-2025.



Film Making Workshop was conducted on 07-03-2025 by the Drama and filmmaking club- Spotlight

CLUB ACTIVITIES



Music Club Students participated Shruthi Idol event organized by Symphony Music Club CBIT on 6th March, 2025 .

The Literary club NOVA has conducted several events like (i) The Weasley Word Play (ii) Heads up (iii) House elf challenge (iv) Wizard's Whisper (v) Rhyme Battle (vi) The Questions Battle (vii) Devil's Advocate (viii) Treasure Hunt on 5th & 6th March 2025.



Workshop on dance was organized by Dance Club on 03-03-2025. The workshop on DANCE, provided participants with valuable insights and hands-on experience. The event received positive feedback, enhancing knowledge and skill development.

Symphony (Music Club of MGIT) Students participated in Battle of Bands event at VJIT -s on 21st February ,2025 as a part of their main fest, UDHBHAV'25

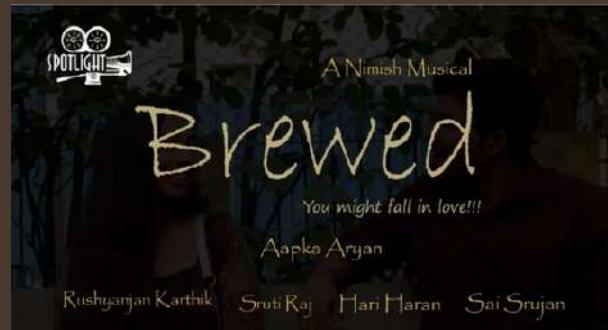


CLUB ACTIVITIES



Released a video “Decoding Enthachitram” by Drama and filmmaking club Spotlight - a video on YouTube. on 09-02-2025

On 14-02-2025 a Short Film Trailer “Brewed” was released by Drama and filmmaking club Spotlight - trailer on YouTube.



Released Short Film “Inthalo ennenni vinthalo” on 21-02-2025 by Drama and filmmaking club Spotlight on YouTube.

INSTITUTE LEVEL ACTIVITIES

HACKATHON

- Hacker savvy 2025(24th-27th Mar 2025) was organized as a national-level hackathon to promote innovative problem-solving and interdisciplinary collaboration among budding engineers across the country. The event was hosted on MGIT campus over 24 continuous hours, creating an intense, collaborative environment for technology enthusiasts.
- A total prize pool of ₹2, 50,000 was awarded across five domains:

Theme	No. of Prizes Awarded	Total Prize Money
AI	4	₹55,000
Cybersecurity	2	₹45,000
IoT	2	₹45,000
Sustainability	2	₹45,000
Open Innovation	3	₹60,000



DEPARTMENTAL ACTIVITIES

CIVIL

- Dr. Mohd. Ataullah Khan, Associate Professor, Mahindra University has delivered an expert talk on “AI Applications in Civil Engineering” for B.Tech IV Sem, VI Sem & VIII Semester students on 25th February, 2025. The speaker's talk on “AI Applications in Civil Engineering” focused on how data-driven models can be used to solve engineering problems where inputs and outputs are clearly defined.



- Dr. M. Rajasekhar, Associate Professor, NICMAR Hyderabad has delivered expert talk on: “Transition from technical role to managerial and leadership roles in the CRIP sector” for B.Tech Civil VIII Semester students on 24th March, 2025.



DEPARTMENTAL ACTIVITIES

EEE

- The department has organized site visit to 400KV substation, Mamidipally, Hyderabad for VI semester students on 15-02-2025.



DEPARTMENTAL ACTIVITIES

ECE

- **Guest Lecture on “Signal/Image/Video/Speech Processing” (30-01-2025)** Dr. N. Sudarshan Rao, Professor, Penn State Behrend, Erie, USA, introduced students to advanced signal, image, video, and speech processing techniques. The lecture motivated students to pursue research and careers in multimedia processing and related fields.
- **Guest Lecture on “Peer to Peer Communication” (31-01-2025)** Dr. Yatindra Nath Singh, Professor (HAG), Indian Institute of Technology, Kanpur, shared insights into peer-to-peer communication systems and protocols. The session inspired students to explore networking technologies and develop projects in decentralized communication systems.
- **Guest Lecture on “The Prominent Role of LASERS and PHOTONICS in the Development of Quantum Technologies” (31-01-2025)** Dr. Martha N. Reddy, former Scientist-G and Associate Director of Laser Science & Technology Centre (LASTEC), DRDO Delhi, explained the applications of lasers and photonics in quantum technologies. The lecture motivated students to explore research in quantum devices, optics, and emerging photonics applications.

CSE

- **TASK (Telangana Academy for Skill and Knowledge):** Department is having MoU with TASK since 2017, to provide Training, Internship and Placements to students. Since 1st January 2025 department has conducted 3 days' workshop (from 5th March to 7th March 2025) on “Programming essentials in Python”, to B.Tech III semister students. Total 60 students participated. students of final year were allowed for Infosys Placement Drive in February 2025. 22 students were placed in Infosys with 3.6 Lakhs annual package.

DEPARTMENTAL ACTIVITIES

IT

- On 26–27 March 2025, IT HackSavvy-25, a 24-hour National-Level Hackathon hosted by MGIT, Hyderabad, was conducted under the convenorship of Dr. D. Vijaya Lakshmi, with Dr. M. Rudra Kumar and Mr. B. Lokesh as coordinators; the jury comprised Dr. D. Vijaya Lakshmi, Dr. M. Rudra Kumar, Dr. Ch. Prem Kumar, and Dr. N. Sree Divya, and the event saw enthusiastic participation from students of various colleges.
- On 09 January 2025, the Department of Information Technology organized a transformative Guest Lecture on “Unleashing Potential: Flourishing in the Age of Disruption.” The event was coordinated by Dr. D. Vijaya Lakshmi and co-coordinated by Mrs. J. Hima Bindu. The session was delivered by Mr. Sirish Singh Devi, Technical Program Manager, Google, NYC, and was attended by I Semester B.Tech IT and CSBS students.
- From 20th to 25th January 2025, the Department of Information Technology, MGIT, in association with the Computer Society of India, organized a One-Week National Level Faculty Development Program (FDP) on “Emerging Innovations and Challenges in Modern Data Analytics Applications.” The program was coordinated by Dr. D. Vijaya Lakshmi and Dr. M. Rudra Kumar, with Dr. Ch. Prem Kumar and Mr. B. Lokesh serving as co-coordinators. The organizing team included Mrs. A. Amulya, Mr. B. Tulasi Dasu, and Mrs. Sk. Arshiya Julma.

ET

- Dr. T V RajiniKanth as Coordinator from ET department has Conducted National Level Faculty Development Programme at MGIT in collaboration with Ministry of Electronics and Information Technology (MeitY), GoI and NITW on the topic “Application of Machine Learning in R&D” from January 06th - 11th 2025. The number of Participants was 44 from across India, Resource Persons are from HCU, IIIT Hyderabad, Industry – Cognisys CTO, CEO of IntelliIndia, K4U Infotech, NITW, MGIT.



DEPARTMENTAL ACTIVITIES

- Dr. T V RajiniKanth as Coordinator from ET department Conducted AI HACK DAY 2025 on 25th Jan 2025 college level internal Hackathonas Coordinator / SPOC in collaboration with SWECHA for which 65 teams have participated in that 12 teams got selected for final round.



- NSD program was initiated by Dr. T V RajiniKanth for "AI Machine Learning Engineer" job role program at MGIT and made MOU between ESCI and MGIT through Principal sir. Total 90 students were enrolled for this program from CSE, IT and ET departments. It is coordinated by Ms. Shantha Kumari TPO, MGIT along with 3 Asst Professors from each of these departments and who were recognized as Skill trainers by Central govt. From MGIT 81 students have completed the exam successfully and qualified under Job role as Certified as AI- Machine Learning Engineer- Feb 10th 2025.



DEPARTMENTAL ACTIVITIES

ET

- Dr. Barnali Gupta Banik has delivered a lecture on “Digital Forensics for Innovators: Leveraging Open Source in Cyber Investigations.” On “Practical Scenarios in Cybersecurity” in the Faculty Development Program – during Feb 17th to 28th 2025.
- AI & ML Workshop for HODs & Professors: UOL & Apollo University UK at Park Hyatt, Hyderabad was attended by Prof. Rama Bai and Dr. T V RajiniKanth. The workshop on AL & ML conducted by University of Leicester from UK on 24th March 2025.

MME

- A reunion of 2009 MME Batch was organized by the Department of MME on January 11, 2025
- Alumni of 2003, 2008, and 2014 have visited the Department on 19.02.25 and Interacted with the students and explain how they have to plan if they are looking for Sweden for their higher education
- Mr. P. Kratnhi, Technical Industry Manager, United States Steels, USA and 2003 Alumnus, MME has delivered a talk on Trends in Metallurgical and Materials Engineering in Industry on Jan 30, 2025.
- Mr. Raghushanth, General Manager, JSW Steels and 2004 Alumnus, MME has delivered a talk on Industrial Readiness on 24th Jan 2025.
- Renowned Alumni of the Department mentored the students during their internship during their VI Sem of AY 2024-25

DEPARTMENTAL ACTIVITIES

M&H

- Organised a Guest Lecture on the occasion of “Tercentenary Birth Anniversary Celebrations of Lokamatha Ahilya Bai Holkar” by “Prof. P. Murali Manohar” on 03.03.2025.



FACULTY ACHIEVEMENTS

CIVIL

- Dr.M.Padmaja attended FDP on" Sustainability Innovation Trends in Civil Engineering" organized by ATAL & Lords Institute of Engineering & Technology during, 10-03-2025 to 15-03-2025.
- Ms. K Krishna Bhavani Siram attended STTP on "Research Paper Writing & Publishing in High Impact Journals" organized by Sinhgad College of Engineering, Vadgaon, Pune during 24-28 February, 2025.
- Dr. D. Tarangini and Mr. S. Jayaprakash Narayana attended FDP on "Resilient Infrastructure for disaster Preparedness and Recover" organized by ATAL & ICFAI during 20- 25 January, 2025.

EEE

Conference Publications

- **Dr. P. Ram Kishore Kumar Reddy:** presented a paper "Investigating the Prediction of Cardiovascular Diseases Using Different Machine Learning Methods" at the IEEE Conference on Intelligent Computing and Control Systems (ICICCS-2025) held at Nanda College of Technology, Erode, Tamil Nadu, from 19th to 21st March 2025, with ISBN No. 979-8-3315-1207-1.
- Dr. P. Ram Kishore Kumar Reddy: presented the paper "Optimizing Diabetes Prediction: A Systematic Study of Machine Learning Techniques and Data Enhancements" at the IEEE Conference on Electronics and Renewable Systems (ICEARS-2025) conducted at St. Mother Theresa Engineering College in March 2025, with ISBN 979-8-3315-0966-8.
- Dr. P. Ram Kishore Kumar Reddy: presented the paper "Deep Learning for Diabetic Retinopathy: A Squeeze Net-based Approach with Data Augmentation for Enhanced Detection" at the IEEE Conference on Visual Analytics and Data Visualization (ICVADV-2025) held at Francis Xavier Engineering College, Tirunelveli, Tamil Nadu, from 4th to 6th March 2025, with ISBN 979-8-3315-2138-7.

FACULTY ACHIEVEMENTS

- Dr. P. Ram Kishore Kumar Reddy: presented the paper “Enhancing Brain Tumour Classification: Integrating Neural Networks with LightGBM for Optimized Text-based Data Analysis” at the International Conference on Multiagent Systems for Collaborative Intelligence (ICMSCI-2025) organized at Surya Engineering College, Erode, Tamil Nadu, from 20th to 22nd January 2025, with ISBN No. 979-8-3315-0981-1.
- Dr. P. Ram Kishore Kumar Reddy: presented the paper “Optimization of Dynamic Request Scheduling in Mobile Edge Computing” at the International Conference on Mobile Computing and Sustainable Informatics (ICMCSI-2025), held at Purbanchal University, Nepal, on 7th and 8th January 2025, with ISBN No. 979-8-3315-2265-0.
- **Dr. P. Naga Sekhar Reddy:** presented a paper “Energy-Grid-Optimizer Model Utilizing EfficientNet-Inception Framework for Smart Energy Systems and Grid Optimization” at the International Conference on Frontier Technologies and Solutions (ICFTS), an IEEE conference held from 27th to 28th March 2025.
- **Dr. P. Lakshmi Supriya:** presented a paper “Investigating the Prediction of Cardiovascular Diseases Using Different Machine Learning Methods” at the IEEE Conference on Intelligent Computing and Control Systems (ICICCS-2025) held at Nanda College of Technology, Erode, Tamil Nadu, from 19th to 21st March 2025, with ISBN No. 979-8-3315-1207-1.
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- Dr. P. Lakshmi Supriya: presented the paper “Wireless Energy Harvesting and Spectrum Sharing in Cognitive Radio Networks” at the International Conference on Mobile Computing and Sustainable Informatics (ICMCSI-2025) held at Purbanchal University, Nepal, on 7th and 8th January 2025, with ISBN No. 979-8-3315-2265-0.

FACULTY ACHIEVEMENTS

FDPS, STTPS, WORKSHOPS & SEMINARS ATTENDED

- **Dr. P. Ram Kishore Kumar Reddy:** attended an FDP on “Unlocking Innovation: Research Funding, Proposal Writing, and IPR Strategies for Startups” held at JBREC, Hyderabad from 03-03-2025 to 08-03-2025.
- Dr. P. Ram Kishore Kumar Reddy: attended an FDP on “Frontier in Electrical and Electronics: Key Tech & Applications” conducted at NELLAI College of Engineering, Tamil Nadu from 17-02-2025 to 21-02-2025.
- **Dr. P. Chandrasekhar:** participated in an FDP on “Future Ready Grid Renewable Integration, Electric Vehicles and Sustainable Smart Grid Technologies” organized by SR University, Warangal (Online Mode) from 17-03-2025 to 21-03-2025.
- Dr. P. Chandrasekhar: delivered a seminar on “Night Vision and Laser Instruments for Indian Defence: Advances and Challenges” at MGIT, Hyderabad on 03-12-2025.
- Dr. P. Chandrasekhar: attended a workshop on “Advancing Distributed Generation: Renewable Integration, Impacts and Smart Grid Solutions” at CBIT, Hyderabad from 10-03-2025 to 14-03-2025.
- Dr. P. Chandrasekhar: participated in an FDP on “Research Methodologies” at B.V. Raju College, Bhimavaram from 03-03-2025 to 07-03-2025.
- Dr. P. Chandrasekhar: completed an ATAL FDP on “Vacuum Technology in Semiconductor Manufacturing” at North Cap University, Gurgaon from 24-02-2025 to 01-03-2025.
- Dr. P. Chandrasekhar: conducted a seminar on “Development of Materials Technologies: An Overview” at MGIT, Hyderabad on 28-02-2025.
- Dr. P. Chandrasekhar: delivered a seminar on “Latest Trends in Generative AI” at MGIT, Hyderabad on 08-02-2025.
- Dr. P. Chandrasekhar: delivered a seminar on “The Prominent Role of Lasers and Photonics in the Development of Quantum Technologies” at MGIT, Hyderabad on 31-01-2025.
- **Dr. P. Nagasekhar Reddy:** attended an FDP on “Frontier in Electrical and Electronics: Key Tech & Applications” at NELLAI College of Engineering, Tamil Nadu from 17-02-2025 to 21-02-2025.

FACULTY ACHIEVEMENTS

- Dr. P. Chandrasekhar: delivered a seminar on “The Prominent Role of Lasers and Photonics in the Development of Quantum Technologies” at MGIT, Hyderabad on 31-01-2025.
- Dr. P. Nagasekhar Reddy: attended an FDP on “Frontier in Electrical and Electronics: Key Tech & Applications” at NELLAi College of Engineering, Tamil Nadu from 17-02-2025 to 21-02-2025.
- Dr. P. Nagasekhar Reddy: participated in an FDP on “The Art and Science of Research Writing: Quality Indexing and Academic Recognition” at JBREC, Hyderabad from 27-01-2025 to 01-02-2025.
- Mrs. N. Madhuri: attended an FDP on “Electric Vehicles and Energy Storage Systems” conducted by ANITS, Warangal & ANITS, Visakhapatnam from 15-03-2025 to 19-03-2025.
- Mrs. N. Madhuri: attended an FDP on “Unlocking Innovation: Research Funding, Proposal Writing, and IPR Strategies for Startups” at JBREC, Hyderabad from 03-03-2025 to 08-03-2025.
- Mrs. N. Madhuri: completed an FDP on “Frontier in Electrical and Electronics: Key Tech & Applications” at NELLAi College of Engineering, Tamil Nadu from 17-02-2025 to 21-02-2025.
- Mr. B. Narsimha Reddy: attended a workshop on “Advancing Distributed Generation: Renewable Integration, Impacts and Smart Grid Solutions” at CBIT, Hyderabad from 10-03-2025 to 14-03-2025.
- Mr. B. Narsimha Reddy: participated in an FDP on “Unlocking Innovation: Research Funding, Proposal Writing, and IPR Strategies for Startups” at JBREC, Hyderabad from 03-03-2025 to 08-03-2025.
- Mrs. P. Veera Bhadra Kumari: attended an FDP on “Electric Vehicles and Energy Storage Systems” organized by ANITS, Warangal & ANITS, Visakhapatnam from 15-03-2025 to 19-03-2025.
- Mrs. P. Veera Bhadra Kumari: completed an FDP on “Unlocking Innovation: Research Funding, Proposal Writing, and IPR Strategies for Startups” at JBREC, Hyderabad from 03-03-2025 to 08-03-2025.

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- Mrs. P. Veera Bhadra Kumari: participated in an FDP on “Frontier in Electrical and Electronics: Key Tech & Applications” at NELLAi College of Engineering, Tamil Nadu from 17-02-2025 to 21-02-2025.
- Mr. P. Pradyumna: attended an FDP on “Electric Vehicles and Energy Storage Systems” hosted by ANITS, Warangal & ANITS, Visakhapatnam from 15-03-2025 to 19-03-2025.
- Mr. P. Pradyumna: completed an FDP on “Frontier in Electrical and Electronics: Key Tech & Application ” at NELLAi College of Engineering, Tamil Nadu from 17-02-2025 to 21-02-2025.
- **Dr. P. Lakshmi Supriya:** attended an FDP on “Unlocking Innovation: Research Funding, Proposal Writing, and IPR Strategies for Startups” at JBREC, Hyderabad from 03-03-2025 to 08-03-2025.
- Dr. P. Lakshmi Supriya: completed an FDP on “Frontier in Electrical and Electronics: Key Tech & Applications” at NELLAi College of Engineering, Tamil Nadu from 17-02-2025 to 21-02-2025.
- **Dr. M. Nalini Devi:** participated in an FDP on “Electric Vehicles and Energy Storage Systems” at ANITS, Warangal & ANITS, Visakhapatnam from 15-03-2025 to 19-03-2025.
- Dr. M. Nalini Devi: completed an FDP on “Frontier in Electrical and Electronics: Key Tech & Applications” at NELLAi College of Engineering, Tamil Nadu from 17-02-2025 to 21-02-2025.
- **Dr. A. Ramchandra Reddy:** attended an FDP on “Unlocking Innovation: Research Funding, Proposal Writing, and IPR Strategies for Startups” at JBREC, Hyderabad from 03-03-2025 to 08-03-2025.
- **Mr. G. Gopal:** participated in a workshop on “Advancing Distributed Generation: Renewable Integration, Impacts and Smart Grid Solutions” at CBIT, Hyderabad from 10-03-2025 to 14-03-2025.
- Mr. G. Gopal: attended an FDP on “Unlocking Innovation: Research Funding, Proposal Writing, and IPR Strategies for Startups” at JBREC, Hyderabad from 03-03-2025 to 08-03-2025.

FACULTY ACHIEVEMENTS

- Mr. S. Abhishek Reddy: attended an FDP on “Electric Vehicles and Energy Storage Systems” conducted by ANITS, Warangal & ANITS, Visakhapatnam from 15-03-2025 to 19-03-2025.
- Mr. S. Abhishek Reddy: participated in a workshop on “Advancing Distributed Generation: Renewable Integration, Impacts and Smart Grid Solutions” at CBIT, Hyderabad from 10-03-2025 to 14-03-2025.
- Mr. S. Abhishek Reddy: completed an FDP on “Unlocking Innovation: Research Funding, Proposal Writing, and IPR Strategies for Startups” at JBREC, Hyderabad from 03-03-2025 to 08-03-2025.
- Mr. S. Abhishek Reddy: attended an FDP on “Frontier in Electrical and Electronics: Key Tech & Applications” at NELLAi College of Engineering, Tamil Nadu from 17-02-2025 to 21-02-2025.
- Dr. Ch. Vinay Kumar: attended an FDP on “Frontier in Electrical and Electronics: Key Tech & Applications” at NELLAi College of Engineering, Tamil Nadu from 17-02-2025 to 21-02-2025.
- Mrs. S. Sudha Rani: attended an FDP on “Electric Vehicles and Energy Storage Systems” at ANITS, Warangal & ANITS, Visakhapatnam from 15-03-2025 to 19-03-2025.
- Mrs. S. Sudha Rani: completed an FDP on “Frontier in Electrical and Electronics: Key Tech & Applications” at NELLAi College of Engineering, Tamil Nadu from 17-02-2025 to 21-02-2025.
- Mr. G. Arun Kumar: attended an FDP on “AI Empowered Power Systems Control” organized by the Electronics & ICT Academy, NIT Warangal in association with Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru from 17-03-2025 to 26-03-2025.
- Mr. G. Arun Kumar: completed a GIAN course on “Hybrid Renewable Energy Systems in Microgrids” at the Electrical Engineering Department, NIT Warangal from 20-02-2025 to 25-02-2025.
- **Mr. P. Ranjith Krishna:** participated in a workshop on “Advancing Distributed Generation: Renewable Integration, Impacts, and Smart Grid Solutions” conducted online from 10-03-2025 to 14-03-2025.

FACULTY ACHIEVEMENTS

Research Publications in National and International Journals

- Dr. P. Chandra Sekhar along with Dr. A. Ram Chandra Reddy, published a research paper titled “Analysis of Power Transfer in Wireless Mode” in the Journal of Nonlinear Analysis and Optimization, Volume 16, Issue 1, Number 2, pages 5–10, March 2025. The paper is UGC CARE listed, with an impact factor of 7.62, and ISSN 1906-9685.
- Dr. P. Nagasekhar Reddy, Badari Narayana Palety and Dr. C. Mahalakshmi published a research article titled “Anomaly Detection in Residential Electricity Consumption with GAN-CNN for Enabling Smart Grid Security and Efficiency Monitoring” in the Journal of Advances in Information Technology, Volume 16, Issue 2, February 2025. The paper is indexed in UGC-Scopus, and the DOI is [<https://doi.org/10.12720/jait.16.2>] (<https://doi.org/10.12720/jait.16.2>). The ISSN is 1798-2340.
- N. Madhuri, P. Veera Bhadra Kumari and B. Sai Nishanth, published a paper titled “A 31-Level Multilevel Inverter Topology for a Grid-Connected System using Fuzzy Logic Controller” published in the International Journal of Engineering and Science Research, Volume 15, Issue 2, pages 345–353, March 2025. The article is Scopus indexed with an impact factor of 7.52, ISSN 2277-2685.
- Dr. A. Ram Chandra Reddy and Dr. P. Chandra Sekhar published “Overview of Switching Overvoltages and their Mitigation” in the same journal, Volume 16, Issue 1, Number 2, pages 56–60, March 2025. This article is UGC CARE listed with an impact factor of 7.62, ISSN 1906-9685.
- G. Arun Kumar, G. Shiva Kumar, K. Srinivasa Rao, and Chinna Karasala published a research article titled “Chopper-Based Capacitor Voltage Equalization in Four-Switch Split Capacitor Distribution Static Compensator with a Zigzag Transformer” in the International Journal of Circuit Theory and Applications, Volume 53, Issue 1, January 2025, pages 1–18.
- S. Sudha Rani and Godwin Emmanuel D published a research paper titled “Hybrid Controlled DVR-Based Optimization for Power Quality Enhancement in Multibus Grid Systems Using Enhanced Dung Beetle Optimizer Algorithm” in the SSRG International Journal of Electrical and Electronics Engineering, Volume 12, Issue 3, March 2025. The paper is Scopus indexed

FACULTY ACHIEVEMENTS

Books Published

- Dr. P. Ram Kishore Kumar Reddy, Dr. P. Nagasekhar Reddy, Dr. D. M. Mary Synthia Regis Prabha, K. Thenmalar, and S. Muthulakshmi, jointly authored a book chapter titled “Advanced Electrical Treatment Technologies for Preventing Hazardous Industrial Chemicals from Entering Wastewater Systems”. This chapter is published in the Springer book “Zero Liquid Discharge Wastewater Treatment System”, with ISSN 2364-6934 and ISBN 978-3-031-84908-4, in March 2025.

Patent Published/Granted

- Dr. P. Ram Kishore Kumar Reddy, Dr. P. Nagasekhar Reddy, and Dr. P. Lakshmi Supriya were granted a patent “Machine Learning-Based Approaches for Power Quality Disturbance Detection in EV Charging with Grid–Photovoltaic (PV) Systems”, with patent number 202541018127A, on 14 March 2025.
- Dr. P. Naga Sekhar Reddy was granted a patent “Rapid Charging Battery Pack” with patent number 6431069 on 25 March 2025.
- Dr. P. Naga Sekhar Reddy was granted a patent “Solar-Powered Off-Grid EV Charging Station” with patent number 6427316 on 6 March 2025.
- Mrs. N. Madhuri and Mrs. P. Veera Bhadra Kumari published a patent “Enhancing Power Stability in PV Charging with Grid–Photovoltaic (PV) Hybrid Systems and Machine Learning” with patent number 202521018490A on 14 March 2025.
- Mrs. N. Madhuri and Mrs. P. Veera Bhadra Kumari were granted a patent “A High-Performance Electrical Generator Device” with patent number 6427918 on 14 March 2025.

ECE

Publications:

- G. Ravikumar, Dr. D. Venkata Reddy, Dr. M. Asharani, “Enhancing All-Digital Phase-Locked Loop Performance Via A High Efficiency Noise Resilience Filter”, Industrial Engineering Journal ISSN: 0970-2555 Volume : 54, Issue 3, No.1, Pages 115-126, March : 2025 (UGC CARE Group-1)
- Dr V. Saidulu, “AI-Driven Block chain Frame Work for Secure and Efficient IOT Data Analysis” Journal of Information Systems Engineering and Management (JISEM), e-ISSN. 2468-4376, 10(3),pp. 309-317,(Quartiles: Q4, Scopus Coverage: 2019 to 2025), 2025.

FACULTY ACHIEVEMENTS

- V.Saidulu, “Optimizing Task Scheduling and Resource Allocation using Multi-Criteria Frame Work in Fog Assisted IOT Networks with Preemption” International Journal of Computational and Experimental Science and Engineering (IJCESEN), Vol.11, No.2, pp. 3291-3301, ISSN: 2149-9144, 2025 (Quartiles-Q3, Scopus coverage-2005-2025), DOI: <https://doi.org/10.22399/ijcesen.2134>, (2025).

Patents:

- K. Raghu, published patent “Smart Charging and Battery Health Optimization in Electric Vehicals Using Deep Learning”, 17-03-2025, Application Number 202541023463 A
- K. Raghu, published patent “Autonomous AI Agents for Trans-Boundary Water Management: A Game Theoretic Experiment on Conflict Resolution Strategies”, 28-03-2025, Application Number 202541022898 A.

CSE

Publications:

- Suresh Kumar Krishnamoorthi, Govindharaju Karthi, Moorthy Radhika, Anantha Raman Rathinam, Ayalapogu Ratna Raju, Latika Pinjarkar, Chelliah Srinivasan "Advancing airway management for ventilation optimization in critical healthcare with cloud computing and deep learning" Indonesian Journal of Electrical Engineering and Computer Science, Vol 37, issue 2, Feb, 2025
- N. Jagadesh, Srihari Varma Mantena, Asha P. Sathe, T. Prabhakara Rao, Kranthi Kumar Lella, Shyam Sunder Pabboju & Ramesh Vatambeti "Enhancing food recognition accuracy using hybrid transformer models and image preprocessing techniques" ,Scientific Reports, SCOPUS(WoS) Feb-25.

Conferences:

- R. Kotoju, Sugamya, and A. Khan, “Real time Air Quality Monitoring and Predictive Pollution Control using Big Data and IoT,” SmartCom 2025, Jan. 31, 2025.
- R. Kotoju, “An Intelligent Auto-ML Based Model for Early Detection of Mental Health Issues on Social Media,” ISDIA 2025, University of Wollongong, Dubai, Jan. 3, 2025.
- M. Santosh, B. Madhava Rao, and S. Peyyala, “Deep Learning for Image Enhancement: Transforming Vision with AI,” ICAMSD 197, Feb. 2025.

FACULTY ACHIEVEMENTS

IT

- D. Vijaya Lakshmi, “Intelligent Digital Twins for Battery Management with Explainable AI,” International Journal of Scientific Research in Engineering and Management (IJSREM), vol. 9, no. 3, pp. –, Mar. 2025, ISSN: 2582-3930, SJIF: 8.586.
- D. Vijaya Lakshmi, “Enhanced Image-Based Security: Integrating Cryptography and Steganography for Robust Data Protection,” International Journal of Scientific Research in Engineering and Management (IJSREM), vol. 9, no. 2, pp. –, Feb. 2025, ISSN: 2582-3930, SJIF: 8.448.
- U. Chaitanya, presented the paper “A Review on Autism Spectrum Disorder” at the International Conference on Innovations in Materials Science, Technology, Engineering and Management for Sustainable Development (IMSTEM 2025), organized by the Department of Science, St. Joseph’s College of Engineering, OMR, Chennai, Tamil Nadu, India, in collaboration with RSP Research Hub, Coimbatore, Tamil Nadu, India, held on 30–31 March 2025.
- U. Chaitanya, presented a paper “A Comprehensive Risk Assessment of Genetical Disorders in Children” in the International Conference on Innovations in Materials Science, Technology, Engineering and Management for Sustainable Development (IMSTEM 2025), organized by the Department of Science, St. Joseph’s College of Engineering, OMR, Chennai, Tamil Nadu, India, in association with RSP Research Hub, Coimbatore, Tamil Nadu, India, held on 30–31 March 2025.
- J. Hima Bindu, “Deriving Efficient 3D U-Net Based Segmented Anomaly Detection and Classification in 3D MRI Images Using ConvLSTM Model and Shuffled Frog Leaping Algorithm”, Journal of Information Systems Engineering and Management, vol. 10, no. 16s, 2025, doi: 10.52783/jisem.v10i16s.2591.
- A. Amulya, “Bridging the Communication Gap: A Machine Learning Approach to Sign Language Recognition,” International Journal of Science and Research (IJSR), ISSN: 2319-7064, Impact Factor: 7.101, 2024.
- A. V. L. Prasuna, “Opinion Analysis Using Recurrent Neural Networks and Apache Spark,” International Journal of Scientific Research in Engineering and Management, vol. 9, no. 2, Feb. 2025, ISSN: 2582-3930.

FACULTY ACHIEVEMENTS

Patents:

- J. Hima Bindu ,“Embedded Wireless Sensor Based Sleep Monitoring System,” Patent Application No. 202441015727 A, Bio-Medical Engineering, filed Mar. 4, 2024, and published Mar. 8, 2024 (Ordinary Application).
- J. Hima Bindu ,“Smart Forest Fire Monitoring and Rescue System Using IoT Technology,” Patent Publication, published on Mar. 28, 2025.
- J. Hima Bindu ,“Intelligent Lymphedema Management Smart Compression Garments Enhanced with IoT Sensors and Machine Learning,” Patent Publication, published on Mar. 7, 2025.

BOOKS PUBLISHED:

- R. Vijaya Lakshmi, Full Stack Development, 1st ed. SIPH, Feb. 2025.

BOOK CHAPTERS PUBLISHED:

- Ch. Prem Kumar, “Wireless Sensor Networks for Smart Healthcare,” in Sensor Networks for Smart Hospitals, Elsevier, pp. 313–329, 2025. doi: 10.1016/B978-0-443-36370-2.00014-1.

ET

- Dr. Barnali Gupta Banik has published a Book Chapter “AI-Powered Gamification and Interactive Learning Tools for Enhancing Student Engagement”, Driving Quality Education Through AI and Data Science. IGI Global, 2025. <https://doi.org/10.4018/979-8-3693-8292-9>, February 2025 (pp. 283-310), ISBN13: 9798369382929.

FACULTY ACHIEVEMENTS

MME

- Role of Molybdenum in High-Temperature Uniaxial Tensile Deformation Behaviour of Fe-30Mn-5Al-1C-xMo Lightweight Austenitic Steels, Kotla Sairam, M.P. Phaniraj, and Korla Rajesh, Metallurgical and Materials Transactions A, 56, 1799-1816, March 2025, <https://doi.org/10.1007/s11661-025-07743-2>
- Composition based machine learning to predict phases & strength of refractory high entropy alloys, Sreenidhi Iyengar, M. ; Anirudh, M. K ; Anantha Desik, P. H. ; Phaniraj, M. P., arXiv, arXiv: 2503.21146, doi:10.48550/arXiv.2503.21146.
- Dr. S. Santhi et.al has presented a technical paper on “Estimation of Bhujakadesah and Perimeter of n-sided polygon from Madhavacharya’s verses” in the National conference on Indian Knowledge system with science and engineering perspective organized by NIT Nagpur on 28.02.2025 to 1.03.2025

Research Projects:

- Title of the Project: Accelerating Finite Element using Vedic Sutras: A Solution for Improved Mesh Convergence in Commercially Available Software
- PI: Dr P Ramalakshmi, Asst. Professor, MED, CBIT and Dr S Santhi, Asst. Professor, MME, MGIT Co PI: Dr G Suresh babu Professor, Dept of EEE, CBIT and Dr P Ravinder Reddy, Professor, MED, CBIT
- Starting Date: 26.03.2025 and Duration of the Project: 1 Year

FACULTY ACHIEVEMENTS

MECH

- Ch. Saikrupa, G. Chandramohan Reddy, Sriram Venkatesh, Published a paper on “Experimental Investigation of Nanoalumina-sunflower Oil Fluid as Cutting Fluid in Machining Process” in Journal of Environmental Nanotechnology, 30.03.2025, Volume 14, No 1 (2025) pp. 425-432, ISSN: 2319-5541, doi.org/10.13074/jent.2025.03.2441150
- D.Kameswara Rao, Dr K.Sudhakar Reddy and Dr V.V.Subba Rao Published a paper on “Thermal and phase change characteristics of organic phase change material enhanced by carbonaceous materials “ in Journal of thermal analysis and calorimetry 12th march 2025, Springer publications, <https://doi.org/10.1007/s10973-025-14160-5>
- D.Kameswara Rao, Dr K.Sudhakar Reddy and B.Rama krishna Published a paper on “PV panel thermal management under outdoor conditions” in Engineering and Technology (IJIRSET) Volume25, Issue 6, April 2025, PAGE13, 0391-6715.
- S. Deepak Reddy, P. Surendar Reddy and S Madhava Reddy Published a paper on “CFD Analysis on Air Conditioning Effect using K-Omega Model” in International Journal for Research in Applied Science & Engineering Technology Volume 13, Issue II, Pp.366-378, Feb 2025, ISSN: 2321-9653. <https://doi.org/10.22214/ijraset.2025.66806>
- Krishna Reddy A, Brundha T, Rohit P, Rahul Kumar, S Madhava Reddy Published a paper on “ Design and Fabrication of Portable Oxygen Ventilator “ in Bulletin for Technology and History Journal, Volume 25, Issue 2, 13th Feb 2025, ISSN: 0391-6715 , DOI:10.37326/bthnlv25.2/190
- T. Niranjan, B. Singaravel, S. Srinivasulu Raju, R. Thanigaivelan Published a paper on“ Experimental Investigation on Mechanical Behaviour of 3D-Printed Part for Brake Pedal Applications” , ArchivesofMetallurgyand Materials, Volume 70, Issue 1, Feb, 2025, ISSN 1734–7440, <https://doi.org/10.24425/amm.2025.152527>
- Yoganjaneyulu, G., Perumal, V. S., Sivasankaran, S., Annamalai, B., & Niranjan, T Published a paper on “Strategic Method to Enhancing the Formability of Nitinol Foils via Micro-Incremental Sheet Forming Processes and Evaluation of Structure–Property.” In Metals and Materials International (Springer), 31,PP. 1-15, ISSN: 1598-9623, 25-03-2025, <https://doi.org/10.1007/s12540-025-01938-3>

FACULTY ACHIEVEMENTS

M&H

FDPs/ Courses Attended:

- Dr.Gousia Sultana Completed NPTEL 12 week course on “Elements of Literature & Creative Communication” from Jan - April 2025.
- 2. Dr.V.Aparna Reddy attended One-Week FDP on “English Language Studies: Current Issues, Trends, & Challenges -Generative Artificial Intelligence from 17 - 22 March 2025.
- 3. Dr.Gousia Sultana attended One-Week FDP on “English Language Studies: Current Issues, Trends, & Challenges -Generative Artificial Intelligence from 17 - 22 March 2025.

R & D activities:

- Dr. K. Srihari, Associate Professor, Dr. G. Bal Reddy, Assistant Professor and Dr. Gousia Sultana, Assistant Professor have been appointed as Research Supervisors – at JNTU Hyderabad.

Papers Presented /Published:

- Dr.Gousia Sultana presented a research paper, “The Role of Translanguaging in Fostering Linguistics and Inclusivity in Indian Classrooms” in an International Conference on ‘Reinventing Disciplinarity through India Philosophical Ethos’ , published in the conference proceedings organized by EFLU, Hyderabad, 19-21 Feb 2025.
- Dr.K.Srihari Published a Research paper titled, “Numeric Analysis of Unsteady Natural Convective Flow Past a Magnetized Exponentially Accelerated Vertical Porous Plate with Viscous Dissipation” in the Journal CFD Letter (Scopus) Volume No: 17, Issue: 9 (2025), 31.03.2025.
- Dr.G.Balreddy Published a Book Titled “Linear Algebra and its applications” – RDG Scientific Publications, March – 2025.

Patents:

- Dr.K.Srihari Published a Patent Titled: “Stability and Instabilities of Non-Newtonian Casson Fluids in a Rotating System: A Mathematical and Experimental Approach” ISBN:202541013904A on 28.02.2025.

FACULTY ACHIEVEMENTS

P&C

- G Kumaraswamy and M. Ramesh Martha published a research paper entitled “Cu-Ag/SBA-15 nano catalysts for the control of microorganisms in water” in Discover nano Journal, Vol 16, Pg 16, January 2025, <https://doi.org/10.1186/s11671-024-04176-5>
- Martha Ramesh, A Santhosh kumar, P. V. Chandrasekar, Arijit Mondal, Ravuri Venkateswara Rao, Ravoori Nagaraju, K. Chandrakanta and Ganji Saidulu “Influence of Surface Roughness, Electrical, and Structural Properties on the Catalytic Sulfurization of Glutamic Acid for S-Glutamate Production: Enhancement in Rate and Selectivity under the Catalyst of Lycopene” in Iranian Journal of Catalysis (WOS journal) 15 (1), 152508 (1-10) January 2025, <https://doi.org/10.57647/j.ijc.2025.1501.08>
- S. Appu, Udayabhanu, B.R. Anusha, H.N. Priyadarshini, Fahd Alharethy, Reddy G. Srinivas, Abhijna, G. Nagaraju, K. Prashanth published an article entitled “Type-1 heterojunction TiO₂ Nanotubes/Ag₂CrO₄ nanoparticles: Advanced photocatalytic and electrochemical applications” Materials Chemistry and Physics Volume 337, 1 June 2025, 130573, doi.org/10.1016/j.matchemphys.2025.130573
- U. Chalapathi, B. Purusottam Reddy, Radhalayam Dhanalakshmi, Golkonda Srinivas Reddy Athipalli Divya, Sambasivam Sangaraju, Salh Alhammadi, Krithikaa Mohanarangam, Aboud Ahmed Awadh Bahajjaj, Si-Hyun Park, “Seed layer-assisted growth of Bi₂S₃ nanorod films for efficient photoelectrochemical water splitting” International Journal of Hydrogen Energy Volume 101, 3 February 2025, Pages 1085-1092, doi.org/10.1016/j.ijhydene.2024.12.289.
- Kulsum Bano, Ravi Kumar, Archana Jain and Tarun K. Panda “Efficient hydrosilylation of carbonyls by zinc alkyl complexes supported by flexible amidophosphino chalcogenide ligands” in Organic & Biomolecular Chemistry Journal 23, 2925-2934, February 2025, <https://doi.org/10.1039/D5OB00004A>.
- Patolla, S., S. R. Bireddy, S. Kethireddy, B. Pittala, L. Eppakayala, “Highly Efficient Synthesis of 1, 3, 5-Oxadiazinan-4-one and 5-Methyl-1, 3, 5-triazinan-2-one Derivatives of Benzimidazolyl Pyrimidine and Their Activity Analysis through Docking Studies” 60, (12), 2446-2453, February 2025, <https://doi.org/10.59467/IJHC.2025.35.129>

FACULTY ACHIEVEMENTS

P&C

- Dr. B Srinivas Reddy published a research paper on “"Synthesis and molecular docking studies of some new 2-N-acylaminobenzothiazole derivatives." in Indian Journal of Heterocyclic Chemistry. Vol. 35, no 01, pages 129-134, <https://doi.org/10.59467/IJHC.2025.35.129>.
- K C Acharyulu Srinivasula, Vamsi Krishna Katta, S Bharadwaj, BalajiRao Ravuri, “Na_{4+x} [Sn_{1-x}Y_xSi_{3.8P0.2O12}] glass-ceramic electrolyte: Structure correlation with Interfacial resistance and electrochemical performance” Chemical Physics Impact, Volume: 10, Pages: 100782, <https://doi.org/10.1016/j.chphi.2024.100782>
- Bireddy, Srinivasa Reddy, Mushini Venkata Subbarao, Kota Sri Lakshmi, Rameswara Reddy Yeddula, V. Sushma, and Jetti Madhavi. “Enhancing Ni/Cr/n-GaN schottky junction performance using a novel Bi₂O₃ insulating layer for advanced optoelectronic device applications” Materials Science and Engineering: B, 31, no. 4, 529-536, <https://doi.org/10.63278/1481>.
- B.R. Anusha, Udayabhanu, S. Appu, Fahd Alharethy, G. SrinivasReddy, Abhijna, M.A. Sangamesha, G. Nagaraju, S. Girish Kumar, K. Prashantha, “Enhanced charge carrier separation in stable Type-1 CoNi₂S₄/MoS₂ nanocomposite photocatalyst for sustainable water treatment” Journal of Physics and Chemistry of Solids, Volume 198, March 2025, 112444, doi.org/10.1016/j.jpcs.2024.112444 .
- B.R. Anusha, Udayabhanu, S. Appu, Fahd Alharethy, G. Srinivas Reddy, Abhijna, M.A. Sangamesha, G. Nagaraju, S. Girish Kumar, K. Prashantha “Enhanced charge carrier separation in stable Type-1 CoNi₂S₄/MoS₂ nanocomposite photocatalyst for sustainable water treatment” Journal of Physics and Chemistry of Solids, Volume 198, March 2025, 112444 doi.org/10.1016/j.jpcs.2024.112444

STUDENTS ACHIEVEMENTS

CIVIL

- Mr. N. Devendhar Goud and Mr.B. Hareeshwar Reddy have been offered jobs at Prism Johnson Pvt. Ltd. During February, 2025.

EEE

- Somanolla Siri Reddy (Roll No. 23261A0249) completed the online course “C for Beginners” offered by Great Learning in January 2025 and received a Participation Certificate.
- Thallilishetty Shyam Kumar (Roll No. 23261A0251) Kumar completed the online course “C for Beginners” offered by Great Learning in January 2025 and received a Participation Certificate.