

Madanapalle Institute of Technology & Science

(UGC Autonomus Institution)

Angallu (V), Madanapalle-517325

Annamayya District, Andhra Pradesh, India



NEWSLETTER

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Vision

To become a globally recognized research and academic institution and thereby contribute to technological and socio-economic development of the nation.

Mission

To foster a culture of excellence in research, innovation, entrepreneurship, rational thinking and civility by providing necessary resources for generation, dissemination and utilization of knowledge and in the process create an ambience for practice-based learning to the youth for success in their careers.

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Message from Principal

I am delighted to extend warm greetings to all through the bi-annual newsletter of Madanapalle Institute of Technology & Science (MITS). This newsletter acts as a vital link, connecting our institution with its stakeholders. As the Principal of MITS, I value the role of effective communication in building a strong sense of community and unity. Through this publication, we aim to showcase the achievements, initiatives, and progress within our college community.



This newsletter provides a platform to celebrate our students' successes, recognize our faculty's dedication, and highlight our progress towards academic excellence and holistic development. I encourage everyone to engage actively with its content, as it represents the collective efforts and aspirations of our MITS family. Let us continue working together, inspiring each other, and driving our institution towards greater success and innovation.

Dr. C. Yuvaraj

Principal, Madanapalle Institute of Technology & Science.

Message from Vice Principal (Administration)

In this issue of our bi-annual newsletter, we are excited to present the vibrancy and energy of our college community. This newsletter encapsulates our collective journey towards excellence, showcasing both academic accomplishments and extracurricular successes. It is inspiring to witness the resilience and determination of our students, faculty, and staff as we navigate these times together.



We are committed to upholding the values of innovation, collaboration, and integrity that define MITS. I encourage you to delve into the achievements highlighted in this newsletter and join us in celebrating the MITS spirit.

Dr. C. Kamal Basha,

Vice Principal (Administration) & Editor-in-chief, NEWSLETTER.



About MITS

Madanapalle Institute of Technology & Science is established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 26.17-acre campus on Madanapalle - Anantapur Highway (NH-205) near Angallu, about 10km away from Madanapalle.

MITS, originated under the auspices of Ratakonda Ranga Reddy Educational Academy under the proactive leadership of Late Sri. N. Krishna Kumar M.S. (U.S.A), the then President and Dr. N. Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent of the Academy.

MITS is governed by a progressive management that never rests on laurels and has been striving conscientiously to develop it as one of the best centers of Academic Excellence in India. The Institution's profile is firmly based on strategies and action plans that match changing demands of the nation and the students' fraternity. MITS enjoys constant support and patronage of NRI's with distinguished academic traditions and vast experience in Engineering & Technology.

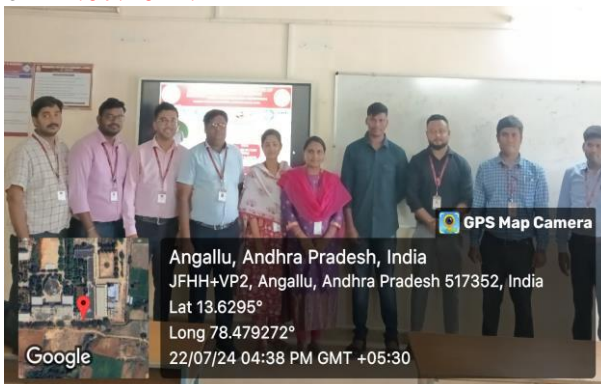


Guest Lectures

- A one-day Guest Lecture on **“Financial Modelling”** was organized by Department of Management Studies on **11.07.2024**.



- A one-day Guest Lecture on **“Julia Programming”** was organized by Department of Computer Applications on **11.07.2024**.
- A one-day Alumni Guest Lecture on **“Tunneling by TBM and NATM”** was organized by Department of Civil Engineering on **22.07.2024**.

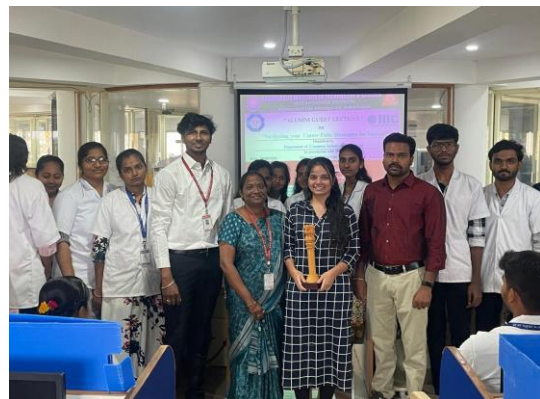


- A one-day online Guest Lecture on **“NEP 2020 Leading to an Outcome Based Curriculum”** was organized by Department of Electrical & Electronics Engineering in association with ISTE chapter and IEEE Student Chapter, MITS on **01.08.2024**.
- A one-day online Guest Lecture on **“Deep Learning Techniques for Data Mining, Predictive Maintenance”** was organized by Department of Computer Science & Technology in association with IEEE, IIC, IIC-MITS on **03.08.2024**.
- A one-day online Guest Lecture on **“How to Write a Patent Application?”** was organized by Department of Computer Science & Engineering-Data Science on **05.08.2024**.

- A one-day online Guest Lecture on **“Ethical Horizons: Navigating Responsible AI in the Modern World”** was organized by Department of Computer Science & Engineering (Data Science) on **05.08.2024**.

- A one-day Alumni Guest Lecture on **“Opportunities for EEE Students in Core companies”** was organized by Department of Electrical & Electronics Engineering in association with Alumni Welfare Association & IIC, MITS on **06.08.2024**.

- A one-day Alumni Guest Lecture on **“Navigating your Career Path: Strategies for Success”** was organized by Department of Computer Science & Technology in association with IIC- MITS on **08.08.2024**.



- A one-day Guest Lecture on **“Recent Softwares in Civil Industries”** was organized by Department of Civil Engineering on **12.08.2024**.
- A one-day Alumni Guest Lecture on **“Seeking Career Transition from Data Analyst to Junior Data Scientist”** was organized by Department of Computer Science & Engineering on **14.08.2024**.
- A one-day Guest Lecture on **“ASCE India Section Southern Region Leadership Training Program”** was organized by Department of Civil Engineering on **17.08.2024**.

Guest Lectures

- A one-day Guest Lecture on **“Empowering Future Civil Engineering with Career insights and Essential Skills”** was organized by Department of Civil Engineering on **17.08.2024**.



- A one-day Online panel discussion on **“Innovation & Start-up Ecosystem in Higher Education Institutions and Role of Enablers”** was organized by Department of Mechanical Engineering in association with IIC on **07.08.2024**.
- A one-day Guest Lecture on **“Empower Yourself as a Computer Science Entrepreneur”** was organized by Department of Computer Science & Technology in Association with IIC on **20.08.2024**.
- A one-day Guest Lecture on **“Design Thinking – Path way to Innovation”** was organized by Department of Computer Science & Technology on **20.08.2024**.
- A one-day Guest Lecture on **“Fostering "Fortify, Hygiene, Etiquette, and Safety Triad"”** was organized by Department of CSE-Artificial Intelligence in association with Women Empowerment Cell on **20.08.2024**.
- A one-day Online Guest Lecture on **“Journey towards Entrepreneurship”** was organized by Department of Mechanical Engineering in association with IIC and ED Cell on **21.08.2024**.
- A one-day online Guest Lecture on **“Research and Innovation”** was organized by Department of Mechanical Engineering in association with IIC on **22.08.2024**.

- A one-day Online Guest Lecture on **“Pathway to Success: Career Development & GATE Cracking Strategies for NIT, IIT, IISc, and Global Opportunities”** was organized by Department of Mechanical Engineering on **23.08.2024**.



- A one-day Guest Lecture on **“Higher Studies Opportunities in Taiwan”** was organized by Department of Electronics & Communication Engineering on **23.08.2024**.
- A one-day Guest Lecture on **“Career Guidance on Software Industry”** was organized by Department of Electronics & Communication Engineering on **23.08.2024**.
- A one-day Guest Lecture on **“Career Development Skills for Employability”** was organized by Department of Electronics & Communication Engineering on **30.08.2024**.



- A one-day Alumni Guest Lecture on **“Mastering Technical Interviews: Tips and Tricks”** was organized by Department of Computer Science & Engineering on **03.09.2024**.

Guest Lectures

- A one-day Guest Lecture on **“Career Opportunities in Data Science: Data Engineer”** was organized by Department of CSE- Data Science on **03.09.2024**.
- A one-day Guest Lecture on **“Cracking the Code: Expert Strategies for Technical Interviews”** was organized by Department of Department of Computer Science & Technology on **03.09.2024**.
- A one-day Alumni Guest Lecture on **“Building Your Professional Career: Strategic for Successful Placement”** was organized by Department of Computer Science & Engineering on **04.09.2024**.
- A one-day Guest Lecture on **“Future Intelligent Communication with 6G Technology”** was organized by Department of Electronics & Communication Engineering in association on **09.09.2024**.
- A one-day Guest Lecture on **“Software Development Life Cycle: An Application to Basic Science”** was organized by Department of Physics on **12.09.2024**.



- A one-day Guest Lecture on **“The 8th Habit of successful Entrepreneurs”** was organized by Department of Mechanical Engineering in association with IIC and ED Cell on **12.09.2024**.



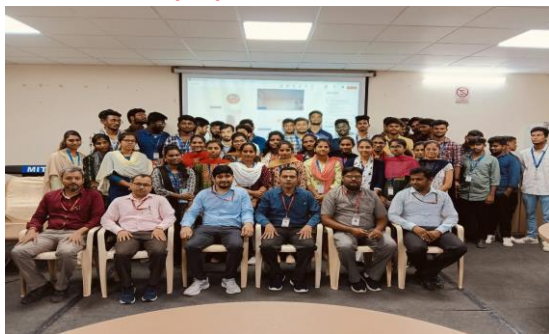
- A one-day Alumni Guest Lecture on **“Opportunities for Mechanical Engineers in the Design Stream”** was organized by Department of Mechanical Engineering in association with IIC on **13.09.2024**.
- A one-day Guest Lecture on **“Harnessing Deep Learning Technique for Enhanced Microvasculature Segmentation”** was organized by Department of Computer Science & Engineering on **19.09.2024**.
- A one-day Alumni Guest Lecture on **“How to Reinforce the Structured Career?”** was organized by Department of Civil Engineering in association with ASCE MITS Student Chapter on **20.09.2024**.



- A one-day Guest Lecture on **“Solar PV Integration: Hardware Design and Development”** was organized by Department of Electrical & Electronics Engineering in association with IEEE Student Chapter on **20.09.2024**.
- A one-day Guest Lecture on **“Cybersecurity by Design”** was organized by Department of Department of Computer Science & Technology on **27.09.2024**.
- A one-day Guest Lecture on **“Career Guidance for IT Industry”** was organized by Department of Computer Applications on **28.09.2024**.
- A one-day Guest Lecture on **“Telecom Network and Field Service”** was organized by Department of Computer Applications on **28.09.2024**.
- A one-day online Guest Lecture on **“Fundamentals & Applications of Additive Manufacturing”** was organized by Department of Mechanical Engineering on **01.10.2024**.

Guest Lectures

- A one-day online Guest Lecture on “**Design Thinking Research & Innovation**” was organized by Department of ECE on **03.10.2024**.
- A one-day Guest Lecture on “**Building Tomorrow: Entrepreneurial Lessons for the Next Gen**” was organized by Department of CSE-Cyber Security on **03.10.2024**.
- A one-day Guest Lecture on “**Corporate Mentoring**” was organized by Department of Management Studies on **03.10.2024**.
- A one-day Guest Lecture on “**How to build a Career in Securities Markets?**” was organized by Department of Management Studies in association with IQAC Cell on **03.10.2024**.
- A one-day Guest Lecture on “**Mastering Microsoft Certifications and Applied Skills**” was organized by Department of Computer Science & Engineering on **03.10.2024**.
- A one-day Alumni Guest Lecture on “**Building a Scalable Business Model**” was organized by Department of Mechanical Engineering in association with Alumni Welfare & IIC, MITS on **07.10.2024**.
- A one-day Guest Lecture on “**Role of Civil Engineers at the Construction Site**” was organized by Department of Civil Engineering in association with Industry Institute Interaction Cell (IIC) on **10.10.2024**.
- A one-day Guest Lecture on “**Recent Trends in Ground Improvement Techniques**” was organized by Department of Civil Engineering on **15.10.2024**.
- A one-day Alumni Guest Lecture on “**Manufacturing of Cement: Theory to the Reality**” was organized by Department of Civil Engineering on **15.10.2024**.
- A one-day online Guest Lecture on “**Smart Grid and Renewable Energy with AI Tools**” was organized by Department of EEE on **16.10.2024**.
- A one-day Guest Lecture on “**Local Renewable Energy Systems: A Sustainable Pathway**” was organized by Department of EEE on **22.10.2024**.
- A one-day Guest Lecture on “**The Art of Data: Visualizing and Analyzing with SQL and Business Intelligence**” was organized by Department of Computer Science & Technology on **23.10.2024**.
- 
- A one-day Guest Lecture on “**Recent Trends in Artificial Intelligence and Computer Vision**” was organized by Department of ECE on **24.10.2024**.
- A one-day Guest Lecture on “**How to Write Research Proposals Books & Papers**” was organized by Department of ECE on **24.10.2024**.
- 
- A one-day Guest Lecture on “**Career Counseling Session on Current Market Trends in IT**” was organized by Department of CSE-AI&ML on **29.10.2024**.
- A one-day Guest Lecture on “**Quality Control in Construction**” was organized by Department of Civil Engineering on **30.10.2024**.



Guest Lectures

- A one-day Alumni Guest Lecture on **“Finishers in Residential Buildings”** was organized by Department of Civil Engineering on **30.10.2024**.
- A one-day online Guest Lecture on **“Reinforcement Learning: From Essentials to Guarantees”** was organized by Department of Mathematics on **02.11.2024**.
- A one-day online Guest Lecture on **“College Life: Enjoy – Equip – Excel”** was organized by Department of English on **04.11.2024**.
- A one-day Alumni Guest Lecture on **“Auto Plotter and Road estimator software’s”** was organized by Department of Civil Engineering on **04.11.2024**.
- A one-day Guest Lecture on **“Basics of IPR and Patent Filing”** was organized by Department of CSE – AI&ML on **06.11.2024**.



- A one-day Guest Lecture on **“Artificial Intelligence and Machine Learning”** was organized by Department of CSE – AI&ML on **08.11.2024**.
- A one-day Guest Lecture on **“Software Life Cycle”** was organized by Department of CSE – AI&ML on **08.11.2024**.
- A one-day Guest Lecture on **“Engineering the future: A Journey from defence to digital transformation”** was organized by Department of Civil Engineering on **11.11.2024**.
- A one-day Guest Lecture on **“National Eligibility Test (NET) & State Eligibility Test (SET) Examinations”** was organized by Department of Computer Applications on **06.11.2024**.
- A one-day Guest Lecture on **“Digital Marketing: Career Opportunities and Challenges”** was organized by Department of Management Studies on **06.11.2024**.
- A one-day Guest Lecture on **“Unlocking Growth: AI Techniques for Smart Marketing and Empowering Entrepreneurs”** was organized by Department of Management Studies on **12.11.2024**.



- A one-day Guest Lecture on **“From Curiosity to Creation: Diving into Robotics”** was organized by Department of Mechanical Engineering on **13.11.2024**.
- A one-day Guest Lecture on **“Banking/UPSC”** was organized by Department of Computer Applications in association with Career Guidance Cell on **15.11.2024**.
- A one-day Guest Lecture on **“Gate and All PSU Career Guidance Program for Engineering Students”** was organized by Department of EEE on **19.11.2024**.
- A one-day Guest Lecture on **“Basics of IPR and Patent Filing”** was organized by Department of CSE – AI&ML on **06.11.2024**.

Guest Lectures

- A one-day Guest Lecture on **“From Aspirant to Achiever: GATE and PSU Career Guidance”** was organized by Department of Mechanical Engineering on **19.11.2024**.
- A one-day Alumni Guest Lecture on **“Database Scalability: Handling Growing Data in Real-Time Systems”** was organized by Department of CSE on **21.11.2024**.



- A one-day Alumni Guest Lecture on **“Real-World Problem-Solving Approaches in Mechanical Engineering Industries”** was organized by Department of Mechanical Engineering in association with MITS Alumni Welfare Association on **22.11.2024**.
- A one-day Guest Lecture on **“Launching Your Tech Career: From Front End Development to Data Analytics Mastery”** was organized by Department of CSE – Data Science on **22.11.2024**.
- A one-day Alumni Guest Lecture on **“Career Opportunities in Civil Engineering & Importance of Developing Leadership qualities”** was organized by Department of Civil Engineering on **25.11.2024**.
- A one-day online Guest Lecture on **“Management Lessons from ancient Indian Literature”** was organized by Department of Management Studies on **27.11.2024**.
- A one-day Guest Lecture on **“Entrepreneur Proceeds Entrepreneurship”** was organized by Department of EEE on **29.11.2024**.
- A one-day Alumni Guest Lecture on **“Live Hacking in Action: A Deep Dive into Cyber Threats and Real-World Exploits”** was organized by Department of CSE- Cyber Security on **29.11.2024**.

- A one-day Guest Lecture on **“GenAI Tools and App Development”** was organized by Department of CSE- Artificial Intelligence & Machine Learning on **02.12.2024**.



- A one-day Alumni Guest Lecture on **“Creative Corner: Alumni Stories, Insights and Achievements”** was organized by Department of Computer Science & Engineering in association with Alumni Welfare Association and IIIC on **07.12.2024**.
- A one-day Guest Lecture on **“AI Impact in Cyber Security”** was organized by Department of CSE-Cyber Security on **09.12.2024**.
- A one-day Guest Lecture on **“Social Media Marketing”** was organized by Department of Management Studies on **10.12.2024**.
- A one-day Guest Lecture on **“The Serverless Revolution: The tale of monoliths, Microservices and Modern Architectures”** was organized by Department of Computer Applications on **10.12.2024**.
- A one-day Guest Lecture on **“UX/UI Design”** was organized by Department of Computer Applications on **12.12.2024**.
- A one-day Guest Lecture on **“7 Habits of Highly Effective People”** was organized by Department of Computer Applications in association with ISTE on **27.12.2024**.



MoUs

- MoU Exchange between MITS- Department of CSE- AI & ML & Xenovex Technologies, Chennai was organized by Department of Computer Science and Engineering - AI & ML on **08.11.2024**.



- MoU Exchange between MITS- Department of CSE-Cyber Security & Sabari Gateway Software SolutionS Pvt Ltd, Coimbatore was organized by Department of Computer Science and Engineering – Cyber Security on **09.12.2024**.



- MoU Exchange between MITS- Department of CSE- AI & ML & Technohub Software Solutions, Bengaluru was organized by Department of Computer Science and Engineering - AI & ML on **21.11.2024**.



- MoU Exchange between MITS- Department of Computer Applications & Nafter Web Technologies, Vellore and Codeon Technologies, Tirupati was organized by Department of Computer Applications on **12.12.2024**.



- MoU Exchange between MITS- Department of CSE- Artificial Intelligence & Machine Learning & Menmozhi Technologies Pvt Ltd, Trichy was organized by Department of Computer Science and Engineering – Artificial Intelligence & Machine Learning on **02.12.2024**.



- MoU Exchange between MITS- Department of Computer Applications and Codeon Technologies, Tirupati was organized by Department of Computer Applications on **12.12.2024**.



Industrial Visits

- A one-day Industrial Visit to **"Penukonda Fort"** was organized by Department of Civil Engineering on **10.08.2024**.
- A one-day Industrial Visit to **"POWERICA Limited, Bangalore for the Inspection of 500 kVA Diesel Generator (D.G.) Set"** was organized by Department of Electrical & Electronics Engineering on **19.09.2024**.



- A one-day Industrial Visit to **"FANUC Inspiring Automation, Bangalore"** was organized by Department of EEE on **27.11.2024**.



- A one-day Industrial Visit to **"CSIR Structural Engineering Research Center, Taramani, Chennai"** was organized by Department of Civil Engineering on **26.09.2024**.
- A one-day Industrial Visit to **"POWERICA LIMITED, Bangalore"** was organized by Department of EEE on **15.11.2024**.
- A one-day Industrial Visit to **"Doordarshan"** was organized by Department of ECE on **27.11.2024**.

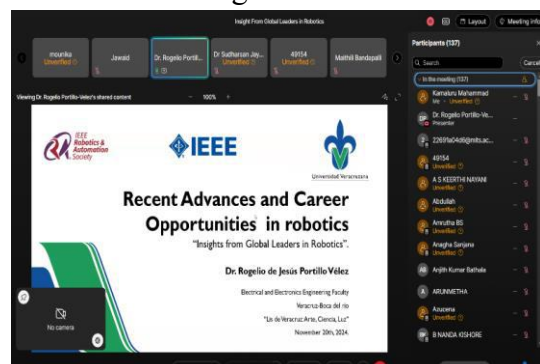
- A one-day Industrial Visit to **"Doordarshan"** was organized by Department of ECE on **29.11.2024**.
- A one-day Industrial Visit to **"Hatsun Agro Products Dairy (Chittoor Plant)"** was organized by Department of Management Studies on **11.12.2024**.



Webinars

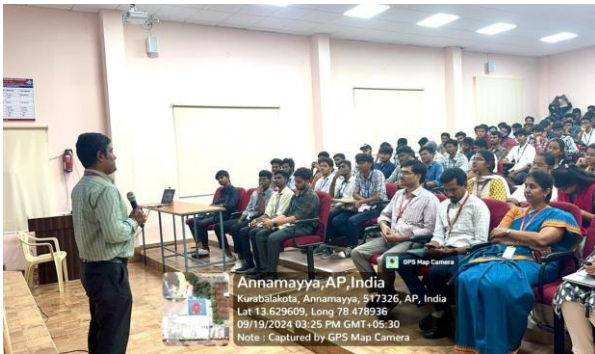
- A one-day webinar on **"Recent Data and Visualization tools for IT Industry"** was organized by Department of Computer Science & Engineering on **29.10.2024**.
- A one-day webinar on **"The AI Revolution: Securing our Digital Future"** was organized by Department of CSE- Data Science on **06.11.2024**.
- A one-day webinar on **"Career Opportunities in Abroad"** was organized by Department of CSE- Data Science on **07.11.2024**.
- A one-day webinar on **"Journey from a Tinkerer to an Entrepreneur"** was organized by Department of Mechanical Engineering on **12.11.2024**.

- A one-day webinar on **"Insights from Global Leaders in Robotics"** was organized by Department of CSE- Artificial Intelligence on **20.11.2024**.



Seminars

- A one-day Seminar on "**Research Talk on Enhancing the Performance and Mechanical Properties of Autoclaved**" was organized by Department of Civil Engineering on **29.07.2024**.
- A one-day Seminar on "**Development of new non-Polynomial shear deformation theory for structural Analysis of the plate**" was organized by Department of Civil Engineering on **30.08.2024**.
- A one-day Seminar on "**Real Time Exposure on Analysis of Biological Data Using Machine Learning Techniques**" was organized by Department of Computer Science & Engineering on **04.09.2024**.
- A one-day Seminar on "**From Thesis to Publication: A Step-by-Step Approach**" was organized by Department of Civil Engineering on **13.11.2024**.



- A one-day Seminar on "**Application of Nanomaterials in Flexible pavement**" was organized by Department of Civil Engineering on **26.11.2024**.



- A one-day Seminar on "**Application of AI & ML in Civil Engineering**" was organized by Department of Computer Science & Engineering-AI&ML on **04.09.2024**.
- A one-day Seminar on "**Harnessing Machine Learning for Breakthroughs in Electrical and Electronics Engineering**" was organized by Department of Computer Science & Engineering-AI&ML on **24.09.2024**.
- A one-day Seminar on "**DevOps Journey for Beginners**" was organized by Department of Computer Science & Engineering on **25.10.2024**.
- A one-day Seminar on "**Navigating IEEE Xplore: Essential Tool for Research and Development in Academia and Industry**" was organized by Department of Computer Science & Engineering – Artificial Intelligence & Machine Learning on **25.10.2024**.
- A one-day Seminar on "**Startup Success: Turning Ambition into Achievement**" was organized by Department of Computer Science & Engineering on **05.12.2024**.



International Conferences

- A three-day Virtual International Conference on **“Chemistry: Global Trends and Future Directions 2024 (CGTFD-2024)”** was organized by Department of Chemistry from **05.08.2024 to 07.08.2024**.
- A three-day Virtual International Conference on **“Recent Trends in Energy Harvesting (ICRTEH-2024)”** was organized by Department of Physics from **23.09.2024 to 25.09.2024**.
- A Five Days International IEEE Nanotechnology Summer School on **“NANO-CRHES: Nanotechnology for Integrated Computing, Robotics, Healthcare and Environmental Sustainability”** was organized by Department of Electronics & Communication Engineering from **16.12.2024 to 20.12.2024**.



Achievements

- **Dr. C. Yuvaraj, Principal of MITS, has been honored with the Sri G. Krishna Kumar Memorial State Award for “Best Engineering College Principal-2023.”**
- **Dr. P. Ramanathan, Vice Principal - Academics at MITS, was honored with the “Excellence in Leadership Award” on December 6, 2024, by Inspire Softech Solutions.**

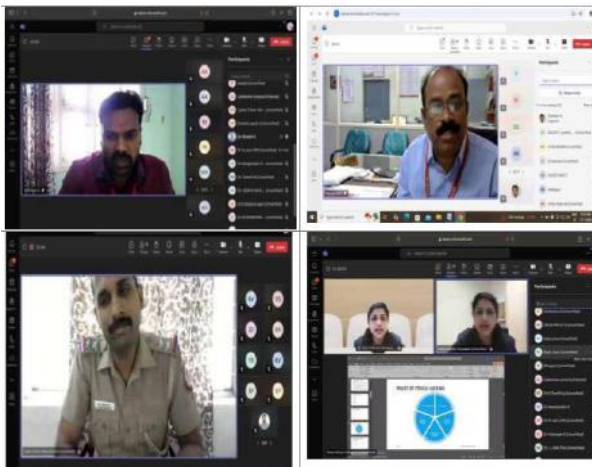


Student Achievements:

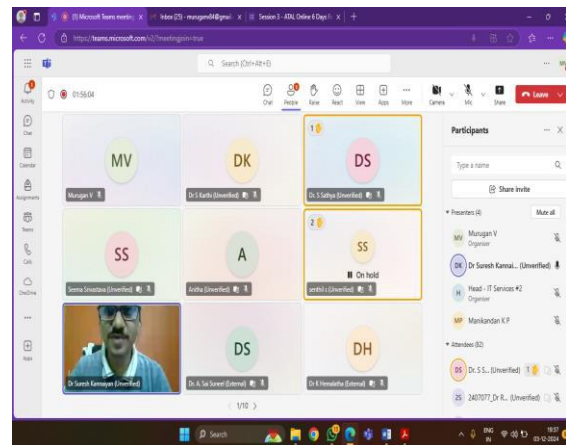
- **Kagithi Bhargavi, a B.Tech (EEE) student from MITS, has been awarded the Ashok Raju Siddharth Institutions State Award for “Best Electrical and Electronics Engineering Student” in Andhra Pradesh, sponsored by Siddharth Institute of Engineering & Technology, Puttur.**
- **Karthik Kovi, a B.Tech (CSE) student from MITS, has received the AITAM State Award for “Best Student Innovator from an AP Engineering College”, sponsored by Aditya Institute of Technology and Management, Tekkali.**

Faculty Development Programs

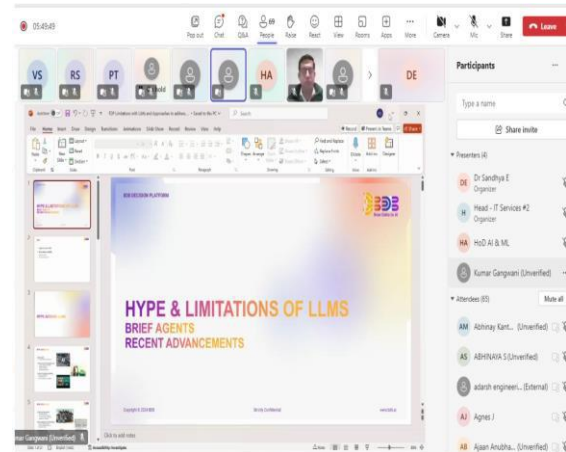
- A Five-day National Level Online FDP on **“Leveraging AI: Human Factors in Cyber Security”** was organized by Department of CSE-Cyber Security in Association with IEEE Student Branch from **08.07.2024** to **12.07.2024**.
- A Five-day International Level Online FDP & Short-Term Training Programme on **“Full Stack Data Science with Generative AI”** was organized by Department of CSE-Data Science from **19.08.2024** to **23.08.2024**.
- A Five-day National Level Faculty Development Programme on **“Artificial Intelligence & Data Analytics”** was organized by Department of CSE- Artificial Intelligence from **16.09.2024** to **20.09.2024**.
- A 2nd International five-day Faculty Development Program (FDP) on **“Sustainability and Research in Modern Mechanical Engineering”** was organized by Department of Mechanical Engineering from **23.09.2024** to **27.09.2024**.
- A six-day online FDP on **“Recent trends and predictions in Cybersecurity”** was organized by Department of CST from **11.11.2024** to **16.11.2024**.



- An ATAL sponsored six-day online FDP on **“AI Solutions for Water Management in Smart Cities”** was organized by Department of CSE-Cyber Security from **02.12.2024** to **07.12.2024**.



- A One Week Online International Faculty Development Programme (FDP) on **“Empowering Educators with AI: From Research Tools to Generative Innovations”** was organized by Department of CSE-Artificial Intelligence & machine Learning from **30.12.2024** to **04.01.2025**.



Confidence and Hard work are the best medicine to kill the disease called Failure, it will make you a Successful person - APJ Abdul Kalam

Training Programs

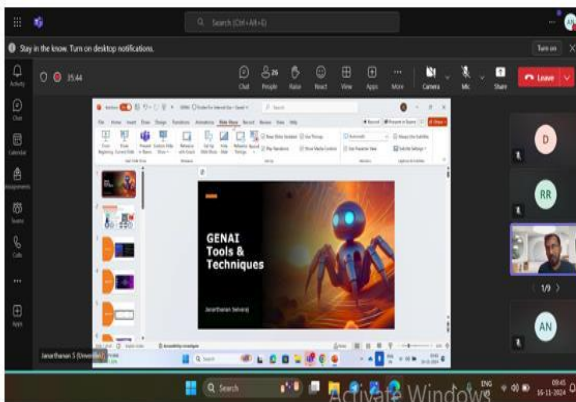
- A five-day training Program on **“Competitive Coding using Python”** was organized by Department of CSE- Cyber Security from **04.11.2024** to **08.11.2024**.



- A five-days skill development Program on **“Python Programming”** was organized by Department of CSE- AI&ML from **25.11.2024** to **29.11.2024**.



- A six-days training Program on **“Gen AI Tools and Techniques”** was organized by Department of CSE from **11.11.2024** to **16.11.2024**.



- A One Week External Training program on **“Python”** was organized by Department of Computer Applications from **22.12.2024** to **29.12.2024**.



Workshops

- A one-day workshop on **"Legal Structures and Ethical Steps in Establishing Startups"** was organized by Department of Computer Applications on **03.07.2024**.
- A two-day workshop on **"TRAMS-2024_Workshop on The Role of AI in Mobility and Smart Cities-TRAMS 2024"** was organized by Department of Civil Engineering on **25.07.2024** and **27.07.2024**.
- A three-day hands-on Training on **"Cyber Security Hands on Training with Next Generation Firewall"** was organized by Department of Computer Applications on **25.07.2024 to 27.07.2024**.
- A one-day workshop on **"IoT Applications"** was organized by Department of CSE-AI&ML on **06.09.2024**.
- A three-day workshop on **"Hands-on 3DP Workshop on Design Optimization and Part Printing"** was organized by Department of Mechanical Engineering in association with ISTE student chapter on **12.09.2024**.



- A five-day workshop on **"Community Outreach Program for ATAL Schools "Designing the Digital World: An Introduction to Web Development"** was organized by Department of CSE- Data Science from **09.09.2024 to 13.09.2024**.



- A one-day workshop on **"Python Fundamentals for Automation: From Scripts to Solutions"** was organized by Department of Computer Science & Technology on **14.09.2024**.



- A one-day workshop on **"Career Craft: Unlocking Placement Success"** was organized by Department of Computer Science & Technology on **19.09.2024**.
- A one-day workshop on **"IoT Applications"** was organized by Department of CSE-AI&ML on **26.09.2024**.
- A one-day workshop on **"Web Development"** was organized by Department of CSE- Artificial Intelligence on **27.09.2024**.
- A one-day workshop on **"Being Career-ready in the New AI-Driven World"** was organized by Department of Mechanical Engineering in association with IIC on **17.10.2024**.
- A two-day workshop on **"Financial Education for Young Citizens"** was organized by Department of Management Studies from **18.10.2024 to 19.10.2024**.
- A two-day workshop on **"Computer Aided Machining (CAM) using NX"** was organized by Department of Mechanical Engineering from **18.10.2024 to 19.10.2024**.
- A one-day workshop on **"Full Stack Web Development Boot camp"** was organized by Department of Computer Science & Engineering on **19.10.2024**.

Workshops

- A one-day workshop on **“From Logic to Code: Building Effective Programs”** was organized by Department of Computer Science & Engineering on **19.10.2024**.
- A one-day workshop on **“Entrepreneurship Development Program”** was organized by Department of Computer Science & Engineering-Data Science on **19.10.2024**.
- A one-day workshop on **“Web Development”** was organized by Department of Computer Science & Engineering-AI on **21.10.2024**.
- A two-day workshop on **“Cyber Security Essentials & Digital Defense”** was organized by Department of CSE- Cyber Security from **22.10.2024 to 24.10.2024**.
- A one-day workshop on **“DevOps”** was organized by Department of Computer Science & Engineering-AI on **23.10.2024**.
- A one-day workshop on **“Full Stack Web Development”** was organized by Department of Computer Science & Engineering on **25.10.2024**.
- A one-day workshop on **“Awareness Session on Cyber Hygiene Practices (Digital Nagarik)”** was organized by Department of Computer Science & Engineering-Cyber Security on **28.10.2024**.
- A six-day workshop on **“Hands on training on 3D BIM Modelling using Revit and Navisworks Manage”** was organized by Department of Civil Engineering in association with ASCE – MITS Student Chapter & MITS ISTE Student Chapter from **06.11.2024 to 11.11.2024**.
- A one-day workshop on **“Design Thinking”** was organized by Department of CSE-AI&ML on **13.11.2024**.
- A three-day workshop on **“Empowering Real-time Solutions through IOT, AI, and Cloud Computing”** was organized by Department of CSE from **15.11.2024 to 18.11.2024**.
- A one-day workshop on **“Modelling and Simulation of Battery Bank from Cell to Pack for Electric Vehicles”** was organized by Department of EEE on **16.11.2024**.
- A one-day workshop on **“Web Development”** was organized by Department of CSE- Artificial Intelligence on **18.11.2024**.
- A one-day workshop on **“Industry Collaboration Workshop on Data Science”** was organized by Department of CSE- Artificial Intelligence on **18.11.2024**.
- A one-day workshop on **“Bridging Knowledge and Impact through Research to Shape Tomorrow”** was organized by Department of CST on **19.11.2024**.



Workshops

- A one-day workshop on “**Virtual Reality and Its Applications**” was organized by Department of CSE on **20.11.2024**.
- A two-day workshop on “**Fundamentals and Recent Trends in Research Publication, Intellectual Property Rights, and Startup Development**” was organized by Department of ECE from **27.11.2024** to **29.11.2024**.



- A one-day workshop on “**Design Thinking in IoT Development**” was organized by Department of ECE on **20.11.2024**.
- A one-day workshop on “**AWS Cloud Computing Services**” was organized by Department of CSE- Data Science on **27.11.2024**.
- A one-day workshop on “**API Attack Vectors and AI Exploits: Learn by Doing**” was organized by Department of CSE- Data Science on **27.11.2024**.
- A one-day Workshop on “**Tranquillizing Empathy**” was organized by Department of CSE- AI&ML on **30.11.2024**.
- A one-day workshop on “**Employability Skills in IT industry**” was organized by Department of Computer Applications on **01.12.2024**.
- A two-day workshop on “**SQL**” was organized by Department of Computer Applications from **20.12.2024** to **21.12.2024**.



Awareness Programs

- An Awareness Programme on **“Road Safety: Role of Road Users”** was conducted by Department of Civil Engineering on **25.07.2024**.
- An awareness program on **"Career Opportunities for Engineering Graduates"** was organized by the Institutional GATE Training Centre in collaboration with ACE Academy, Hyderabad, on **20.08.2024**.
- An Awareness Program conducted on **“CISCO Networking”** was organized by Department of CSE-AI&ML on **02.09.2024**.
- A one-day awareness program on **“Entrepreneurship Opportunities on Embedded Systems”** was organized by Department of ECE on **11.11.2024**.
- A one-day awareness program on **“Safe Mobile Application Usage for School Students”** was organized by Department of CSE- AI&ML on **12.11.2024**.



- A one-day awareness program on **“Menstrual Hygiene Management (MHM)”** was organized by Women Empowerment Cell on **12.12.2024**.



Events

- MITS conducted the **"Student Induction Program (SIP) for B.Tech lateral Entry Students"** from **24.0.2024** to **03.08.2024**.
- MITS conducted a one-day **“Orientation Program”** for freshers on **31.07.2024**.



- A one-day event on **“Alumni -Students Interaction”** was organized by Department of Electrical & Electronics Engineering in association with Alumni Welfare Association & IIC, MITS on **07.08.2024**.

- MITS conducted the **"Student Induction Program (SIP) for B.Tech I Year Students"** from **01.08.2024** to **17.08.2024**.



- A one-day online panel discussion on **“Innovation & Start-up Ecosystem in Higher Education Institutions and Role of Enablers”** was organized by Department of Mechanical Engineering in association with IIC on **07.08.2024**.
- The Department of CSE-Data Science hosted the **"Inauguration of MITS IEEE Reliability Society under MITS IEEE Student Branch"** on **20.08.2024**.

Events

- The Department of CSE-AI&ML organized a **"Department-Level Internal Hackathon"** on **30.08.2024**.
- The Department of CSE, in association with the Institution's Innovation Council, organized a **"Departmental-Level Hackathon"** on **30.08.2024**.
- MITS RADIO 90.8 Community Radio Station conducted a training program titled **"Radio Jockey Training Program"** on **30.08.2024**.
- An event titled **"MITS Internal Hackathon"** was conducted by the Department of CSE-Data Science on **31.08.2024**.
- A one-day event on **"Teachers Day Program"** was organized by Department of Civil Engineering on **05.09.2024**.
- A one-day event on **"Engineers' Day"** was organized by Department of Civil Engineering in association with ASCE MITS Student Chapter on **15.09.2024**.



- A one-day event on **"Ideathon Competition on Innovative Ideas for Climate Protection"** was organized by Department of Civil Engineering in association with ASCE MITS Student Chapter on **17.09.2024**.
- A one-day event conducted on **"Startup Mentoring Activity and Awareness Session on Trademark Registration"** was organized by Department of Mechanical Engineering in association with Startup & Incubation Cell on **23.09.2024**.
- MITS organized an **"Orientation Programme"** for MBA & MCA I Year Students on **27.09.2024**.

- A one-day event on **"Mini Anveshana"** was organized by Department of CSE-Data Science on **30.09.2024**.
- A one-day Parent-Teacher Meeting was organized by the Department of CSE- AI on **10.10.2024**.
- A one-day Parent-Teacher Meeting was organized by the Department of Mechanical Engineering on **19.10.2024**.
- The Department of Electronics & Communication Engineering organized a one-week awareness program, **"MITS IEEE Week Celebration 2024,"** held from **21.10.2024** to **25.10.2024**.
- The Department of CSE- Data Science organized a one-day Pseudocode Challenge Program titled **"Leveraging Technology for Better Tomorrow"** on **22.10.2024**.
- The Department of Computer Science & Technology organized a one-day Community Outreach Program titled **"Empowering the Next Generation through Computer Science and Career Guidance"** for ATL Schools on **23.10.2024**.



- The Department of CSE- Artificial Intelligence organized an inaugural Ceremony of **"Student Visionary community"** on **23.10.2024**.

Events

- The Department of CSE- Data Science in association with Skill Bee club organized a Program titled **“Empowering your voice”** on **24.10.2024**.
- A one-day Parent-Teacher Meeting was organized by the Department of Computer Science & Technology on **24.10.2024**.
- The Department of CSE - Artificial Intelligence organized **“IEEE Week Celebrations 2024”** with the theme Leveraging Technology for a Better Tomorrow on **24.10.2024**.



- A one-day **“Parent-Teacher Meeting”** was organized by the Department of CSE-AI&ML on **25.10.2024**.
- A one-day **“Parent-Teacher Meeting”** was organized by the Department of Electrical & Electronics Engineering on **25.10.2024**.
- A one-day **“Parent-Teacher Meeting”** was organized by the Department of Electrical & Electronics Engineering on **28.10.2024**.
- A one-day **“Parent-Teacher Meeting”** was organized by the Department of CSE- Cyber Security on **29.10.2024**.
- Department of EEE organized an event titled **“EEE ALUMNI MEET-2024”** on **02.11.2024**.



- A one-day Parent-Teacher Meeting was organized by the Department of Civil Engineering on **04.11.2024**.
- MITS, in collaboration with the Student Activity Center, organized the **“Fresher’s Day Celebrations”** for B.Tech, MBA, and MCA students on **08.11.2024**.



- Department of CSE-Data Science organized an event titled **“Start-Up Stark”** in association with Skill Bee Club on **15.11.2024**.
- Department of Management Studies organized a virtual **“Alumni Meet - 2024”** on **23.11.2024**.
- Department of CSE organized **“Parent – Teacher meeting”** on **23.11.2024**.
- Department of CSE organized **“National Level Hackathon”** on **25.11.2024**.
- A one-day Panel discussion on **“The Idea Exchange: Innovation in Action”** was organized by Department of EEE on **26.11.2024**.
- A one-day event on **“IEEE Information Theory Society Student Chapter”** was organized by Department of CSE-Artificial Intelligence & Machine learning in association with IEEE on **17.12.2024**.



Events

- A Two-day external academic and administrative audit was conducted by IQAC Cell from **18.12.2024** to **19.12.2024**.



- Department of Mathematics organized **“National Mathematics Day”** on **22.12.2024** to commemorate Dr. Ramanujan.

- The MITS Alumni Welfare Association organized **“Alumni Meet 2024, Bangalore Chapter”**, with alumni from the batches of 1998-2002 to 2020-2024 in attendance **22.12.2024**.



- Department of Computer Applications organized **“International Human Solidarity Day”** on **23.12.2024**.
- Department of Computer Applications organized **“Parents Meet”** for I MCA Students on **30.12.2024**.





Paper Publications

- Thangasamy, V, Department of Electrical & Electronics Engineering published an article titled “A Multilevel Supply Modulator for RF Power Amplifier using 130nm CMOS Technology: Comparator Based Approach” in Evergreen in July 2024 doi: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85198093282&partnerID=40&md5=61b9980dcd13f921f5ce48c2af51d193>.
- Timiri Sonachalam Balaji Damodhar, Department of Electrical & Electronics Engineering published an article titled “Fractional Jaya election-based optimization enabled routing and charge scheduling for electric vehicle in cloud-assisted Vehicular Ad Hoc Network” in International Journal of Communication Systems in July 2024 doi: [10.1002/dac.5894](https://doi.org/10.1002/dac.5894).
- Jagannath Pattar, Department of Mechanical Engineering published an article titled “Investigation of AA6063-based metal–matrix composites reinforced with TiO₂ dispersoids through digitally assisted techniques for mechanical, tribological, and microstructural characterizations” in Frontiers in Mechanical Engineering in July 2024 doi: [10.3389/fmech.2024.1393959](https://doi.org/10.3389/fmech.2024.1393959).
- Gourav Kumar Suman, Suman Yadav, Department of Electrical & Electronics Engineering published an article titled “Frequency Regulation Strategy in Islanded Microgrid with High Renewable Penetration Supported by Virtual Inertia” in Smart Grids and Sustainable Energy in July 2024 doi: [10.1007/s40866-024-00211-7](https://doi.org/10.1007/s40866-024-00211-7)
- Rakesh Nath Tiwari, Department of Electronics & Communication Engineering published an article titled “On body and off body communication using a compact wideband and high gain wearable textile antenna” in Scientific Reports in July 2024 doi: [10.1038/s41598-024-64932-6](https://doi.org/10.1038/s41598-024-64932-6).
- Smriti Baruah, Janmoni Borah, B. Vandana, S. Simran, M. Nagendra & Subramaniam Rajasekaran, Department of Electronics & Communication Engineering published an article titled “Improvement of photovoltaic response in perovskite solar cell via all inorganic lead free cubic double La₂NiMnO₆/Cs₃Bi₂I₉ based graded absorber architecture” in Optical and Quantum Electronics in July 2024 doi: [10.1007/s11082-024-07239-0](https://doi.org/10.1007/s11082-024-07239-0).
- Smriti Baruah, Janmoni Borah, Perugu Yaswanth Reddy, Chamarthi Sindhupriya, Nara Sathvika, Subramaniam Rajasekaran, Department of Electronics & Communication Engineering published an article titled “Device engineering of lead-free FaCsSnI₃/Cs₂AgBiI₆-based dual-absorber perovskite solar cell architecture for powering next-generation wireless networks” in International Journal of Communication Systems in July 2024 doi: [10.1002/dac.5903](https://doi.org/10.1002/dac.5903).
- Sudhakar Kothandapani, Department of Computer Science & Engineering published an article titled “Enhancing radiographic image interpretation: WARES-PRS model for knee bone tumour detection” in Network: Computation in Neural Systems in July 2024 doi: [10.1080/0954898X.2024.2357660](https://doi.org/10.1080/0954898X.2024.2357660).
- Murugan S., Govindarajan R., Napa K.K, Department of Computer Science & Engineering published an article titled “Improving the Performance of Machine Learning with Sequential Feature Selection and Grid Search” in Przegląd Elektrotechniczny in July 2024 doi: [10.15199/48.2024.07.29](https://doi.org/10.15199/48.2024.07.29).
- Koppiseti Giridhar, Department of Computer Science & Technology published an article titled “EEG-Based Brain-Computer Interfaces Using Gazelle Optimization Algorithm with Deep Learning for Motor-Imagery Classification” in Fusion: Practice and Applications in July 2024 doi: [10.54216/FPA.160103](https://doi.org/10.54216/FPA.160103).



Paper Publications

- Shanthi. S, Department of Computer Science & Technology published an article titled “Transitioning From Radiographs To Precision Diagnostics For Atypical Carcinoids, Adenosquamous Carcinoma, And Mucoepidermoid Carcinoma Using Advanced Machine Learning Algorithms” in Journal of the Balkan Tribological Association in July 2024 doi: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85198711308&partnerID=40&md5=89f2cece85ba31a235350e89806c67e2>.
- Angati Kalyan Kumar, Komal Kumar N, Department of Computer Science & Engineering-Data Science published an article titled “The Future of Neurodiagnostic: Deep Learning for Earlier Intervention” in Journal of Machine and Computing in July 2024 doi: [10.53759/7669/jmc202404075](https://doi.org/10.53759/7669/jmc202404075).
- Dr. N. Komal Kumar, Department of Computer Science & Engineering-Data Science published an article titled “Scalability and performance of decision tree for cardiovascular disease prediction” in IAES International Journal of Artificial Intelligence in July 2024 doi: <https://ijai.iaescore.com/index.php/IJAI/article/view/24465>.
- Althaf Ali A, Department of Computer Applications published an article titled “Fuzzy rules-based Data Analytics and Machine Learning for Prognosis and Early Diagnosis of Coronary Heart Disease” in Journal of Information and Organizational Sciences in July 2024 doi: [10.31341/jios.48.1.9](https://doi.org/10.31341/jios.48.1.9).
- N. Naveen Kumar, R. Maruthamuthu & P. Seshu Kumar, Department of Computer Applications published an article titled “A robust method for malware analysis using stacking classifiers and dendrogram visualization” in International Journal of Information Technology (Singapore) in July 2024 doi: [10.1007/s41870-024-01982-z](https://doi.org/10.1007/s41870-024-01982-z).
- Annasagaram Subba Rao, Department of Mathematics published an article titled “Two-phase numerical simulation of thermal and solutal transport exploration of a non-Newtonian nanomaterial flow past a stretching surface with chemical reaction” in Open Physics in July 2024 doi: [10.1515/phys-2024-0036](https://doi.org/10.1515/phys-2024-0036).
- Nallabala Nanda Kumar Reddy, C. Yuvaraj, Department of Physics published an article titled “Optical, vibrational, and photoluminescence properties of holmium-doped boro-bismuth-germanate glasses” in Luminescence in July 2024 doi: [10.1002/bio.4822](https://doi.org/10.1002/bio.4822).
- Reddeppa Nadimicherla, Department of Physics published an article titled “PPy@h-MoO₃ nanorods as the cathode material for high-efficiency lithium-ion batteries” in New Journal of Chemistry in July 2024 doi: [10.1039/d4nj02158d](https://doi.org/10.1039/d4nj02158d).
- M. Chandra Sekhar, Department of Physics published an article titled “Enhanced solar-driven photocatalytic hydrogen production, dye degradation, and supercapacitor functionality using MoS₂-TiO₂ nanocomposite” in Ceramics International in July 2024 doi: [10.1016/j.ceramint.2024.07.239](https://doi.org/10.1016/j.ceramint.2024.07.239).
- Lipeeka Rout, Department of Chemistry published an article titled “Decoupling study on the influence of the interaction between biomass hydrocar and coal during co-pyrolysis on the char structure evolution” in Renewable Energy in July 2024 doi: [10.1016/j.renene.2024.120938](https://doi.org/10.1016/j.renene.2024.120938).
- Lakshmi. B, Department of Computer Science & Technology published an article titled “A Smart IoT-Based Fire Detection and Machine Learning Based Control System for Advancing Fire Safety” in Nanotechnology Perceptions in July 2024 doi: <https://doi.org/10.62441/nano-ntp.v20iS5.19>.



Paper Publications

- M. Lakshmana Rao, B. Raghu Kumar, V. Kalyanamanohar, G. Harimath Gowd, Department of Mechanical Engineering published an article titled “Trend-Forecasting of Covid-19 Cases using Regression Analysis and Python” in Grenze International Journal of Engineering and Technology in **July 2024**.
- Arunnellaiappan T, Ilangovan Arun, R. Prithivirajan, S. Baskaran, Department of Mechanical Engineering published an article titled “Hot Corrosion Behavior of Electrical Discharge Coated Duplex Stainless Steel Under Sulfur Environment” in Transactions of the Indian Institute of Metals in **July 2024**.
- Thiyagu.T, Department of CSE-Cyber Security published an article titled “Scalability and performance of decision tree for cardiovascular disease prediction” in IAES International Journal of Artificial Intelligence (IJ-AI) in **July 2024** doi: [10.11591/ijai.v13.i3.pp2540-2545](https://doi.org/10.11591/ijai.v13.i3.pp2540-2545).
- Gowtham A, Department of CSE-Cyber Security published an article titled “A Fuzzy Logic Approach for Efficient Control of BLDC Motors for Low-Cost Electric Two-Wheelers” in Nanotechnology Perceptions in **July 2024** doi: <https://doi.org/10.62441/nano-ntp.v20iS5.16>.
- Dr. N. Gangisetty, Department of Management Studies published an article titled “Impact of Hybrid work model on Job satisfaction on Techies during the COVID-19 Pandemic” in Journal of Ecohumanism in **July 2024**.
- Dr. Mohsin Khan, Department of Management Studies published an article titled “Re-Engaging Employees during Covid-19 Pandemic with Special reference to Indian IT Companies” in Business Excellence in **July 2024**.
- Chodagam Srinivas, Department of Electrical & Electronics Engineering published an article titled “Optimizing Capacitor Placement in Distribution Systems Under Variable Loading Conditions with Golden Jack Optimization (GJO)” in International Journal of Electrical and Electronics Research in **August 2024** doi: [10.37391/IJEER.120202](https://doi.org/10.37391/IJEER.120202).
- Arun, R. Prithivirajan & S. Baskaran, Department of Mechanical Engineering published an article titled “Hot Corrosion Behavior of Electrical Discharge-Coated Duplex Stainless Steel Under Sulfur Environment” in Transactions of the Indian Institute of Metals in **August 2024** doi: [10.1007/s12666-024-03432-7](https://doi.org/10.1007/s12666-024-03432-7).
- Manish Sharma, Department of Mechanical Engineering published an article titled “Influence of Mach number on the off-design performance of S-shaped compressor transition duct under the combined effect of curvature and pressure gradient” in Australian Journal of Mechanical Engineering in **August 2024** doi: [10.1080/14484846.2022.2148367](https://doi.org/10.1080/14484846.2022.2148367).
- Rakesh Nath Tiwari, Department of Electronics & Communication Engineering published an article titled “Quad-Band 1×4 Linear MIMO Antenna for Millimeter-Wave, Wearable and Biomedical Telemetry Applications” in Sensor in **August 2024** doi: [10.3390/s24144427](https://doi.org/10.3390/s24144427).
- Smriti Baruah, Janmoni Borah, Department of Electronics & Communication Engineering published an article titled “Device optimization of all inorganic CsPbBr₃/LNMO based multi-layered perovskite light harvesters for broader capturing of solar spectrum” in Solar Energy in **August 2024** doi: [10.1016/j.solener.2024.112858](https://doi.org/10.1016/j.solener.2024.112858).
- V. S. Prasanth, Department of Electronics & Communication Engineering published an article titled “Effective ensemblebased intrusion detection and energy efficient load balancing using sunflower optimization in distributed wireless sensor network” in Multimedia Systems in **August 2024** doi: [10.1007/s00530-024-01388-8](https://doi.org/10.1007/s00530-024-01388-8).
- Rakesh Nath Tiwari, Department of Electronics & Communication Engineering published an article titled “A Compact Wearable Textile Antenna for NB-IoT and ISM Band Patient Tracking Applications” in Sensors in **August 2024** doi: [10.3390/s24155077](https://doi.org/10.3390/s24155077).



Paper Publications

- P. V. Venkateswara Rao, Department of Computer Science & Engineering published an article titled “Millimeter assisted wave technologies in 6G assisted wireless communication systems: a new paradigm for 6G collaborative learning” in Wireless Networks in **August 2024** doi: [10.1007/s11276-023-03324-6](https://doi.org/10.1007/s11276-023-03324-6).
- Kaliyamoorthi P, Department of Computer Science & Engineering published an article titled “Advancing Smart Cyber Physical System with Self-Adaptive Software” in International Research Journal of Multidisciplinary Scope in **August 2024** doi: [10.47857/irjms.2024.v05i03.01013](https://doi.org/10.47857/irjms.2024.v05i03.01013).
- BSH. Shayeez Ahamed, Department of Computer Science & Engineering published an article titled “Enhanced Brain Tumor MRI Scan Reconstruction via the EI-Fusion-Net Model” in International Journal of Intelligent Engineering and Systems in **August 2024** doi: [10.22266/IJIES2024.0831.53](https://doi.org/10.22266/IJIES2024.0831.53).
- Deepthi P, Department of Computer Science & Engineering published an article titled “Enhancing Agricultural Productivity: Development of a Smart Farming Monitoring System with ESP32 and Fuzzy Logic Control” in Nanotechnology Perceptions in **August 2024** doi: [10.62441/nano-ntp.v20iS5.17](https://doi.org/10.62441/nano-ntp.v20iS5.17).
- K Sree Divya, Department of Computer Science & Technology published an article titled “OPTIMIZING TASK SCHEDULING: EXPLORING ADVANCED MACHINE LEARNING IN DEW-POWERED CLOUD ENVIRONMENTS” in Scalable Computing in **August 2024** doi: [10.12694/scpe.v25i5.3111](https://doi.org/10.12694/scpe.v25i5.3111).
- M. Shankar, Department of Computer Science & Technology published an article titled “Enhancing Medical Image Security: A Deep Learning Approach with Cloud-based Color Space Scrambling” in International Journal of Information Technology (Singapore) in **August 2024** doi: [10.1007/s41870-024-02109-0](https://doi.org/10.1007/s41870-024-02109-0).
- Lakshmi. B, Department of Computer Science & Technology published an article titled “A Smart IoT-Based Fire Detection and Machine Learning Based Control System for Advancing Fire Safety” in Nanotechnology Perceptions in **August 2024** doi: [10.62441/nano-ntp.v20iS5.19](https://doi.org/10.62441/nano-ntp.v20iS5.19).
- K Chokkanathan, Department of Computer Science & Engineering-Artificial Intelligence published an article titled “Attention-based Feature Fusion with External Attention Transformers for Breast Cancer Histopathology Analysis” in IEEE Access in **August 2024** doi: [10.1109/ACCESS.2024.3443126](https://doi.org/10.1109/ACCESS.2024.3443126).
- Bandi Vamsi, Department of Computer Science & Engineering-Artificial Intelligence published an article titled “A Memory-Based Neural Network Model for English to Telugu Language Translation on Different Types of Sentences” in International Journal of Advanced Computer Science and Applications in **August 2024** doi: [10.14569/IJACSA.2024.0150706](https://doi.org/10.14569/IJACSA.2024.0150706).
- Vidhyashree B, Department of Computer Science & Engineering-Data Science published an article titled “A Comprehensive IoT-Based Automation System for Enhanced Productivity and Sustainability for Advancing Farming Efficiency” in Nanotechnology Perceptions in **August 2024** doi: [10.62441/nano-ntp.v20iS5.18](https://doi.org/10.62441/nano-ntp.v20iS5.18).
- Gowtham A, Department of CSE-Cyber Security published an article titled “A Fuzzy Logic Approach for Efficient Control of BLDC Motors for Low-Cost Electric Two-Wheelers” in Nanotechnology Perceptions in **August 2024** doi: <https://doi.org/10.62441/nano-ntp.v20iS5.16>.



Paper Publications

- R. Saravana, Department of Mathematics published an article titled “Robust finite difference scheme for the magnetohydrodynamics natural convection in a quadrant-shaped enclosure with radiation effect” in European Physical Journal Plus in **August 2024** doi: [10.1140/epjp/s13360-024-05510-7](https://doi.org/10.1140/epjp/s13360-024-05510-7).
- Ramasamy Subramaniam, Department of Mathematics published an article titled “Design of sampled-data controller for T–S fuzzy system with the refined fractional delayed-state and its applications” in European Physical Journal: Special Topics in **August 2024** doi: [10.1140/epjs/s11734-024-01268-2](https://doi.org/10.1140/epjs/s11734-024-01268-2).
- N. Nanda Kumar Reddy, Department of Physics published an article titled “Effects of Zn doped MoO₃ nanocomposite interlayer on electrical and surface chemical state properties of Ni/Cr/n-GaN Schottky junction” in Materials Science and Engineering: B in **August 2024** doi: [10.1016/j.mseb.2024.117602](https://doi.org/10.1016/j.mseb.2024.117602).
- Barik, Department of Physics published an article titled “Enhanced polishing characteristics of Al-6061 via composite magnetic abrasives (EIP–Al₂O₃) assisted hybrid CMMRF process” in Wear in **August 2024** doi: [10.1016/j.wear.2024.205528](https://doi.org/10.1016/j.wear.2024.205528).
- Lipeeka Rout, Department of Chemistry published an article titled “Polyaniline assembly ultra-thin graphene hybrid nanocomposites synthesis for current research trends of promising applications in emerging fields” in Materials Science and Engineering: B in **August 2024** doi: [10.1016/j.mseb.2024.117596](https://doi.org/10.1016/j.mseb.2024.117596).
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- Nagaraj, J, Department of Computer Science & Engineering published an article titled “Improving the Cross-Layer Functionality to Overcome the Collision in Mobile Ad hoc Network” in Journal of Theoretical and Applied Information Technology in **September 2024**. doi:<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85203028661&partnerID=40&md5=54f448447763cb6f9bd9171a2fff8887>
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- Rampriya R, Department of Computer Science & Engineering-Artificial Intelligence published an article titled “Improving Robustness and Dynamic Performance of Sensor less Vector-Controlled IM Drives with ANFIS-Enhanced MRAS” in International Journal of Electrical and Electronics Research in **September 2024** doi: [10.37391/IJEER.120331](https://doi.org/10.37391/IJEER.120331).



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- Sanoop P, Department of Chemistry published an article titled “Impact of nanoparticles on immune cells and their potential applications in cancer immunotherapy” in Biocell in **November 2024** doi: [10.32604/biocell.2024.054879](https://doi.org/10.32604/biocell.2024.054879).
- V. Raju, Department of Chemistry published an article titled “Enhanced pyroelectric property in lead-free $0.94\text{Na}_0.5\text{Bi}_0.5\text{TiO}_3\text{-}0.06\text{Ba}_0.85\text{Ca}_0.15\text{Ti}_0.90\text{Zr}_0.10\text{O}_3$ solid solution for thermal energy harvesting” in Ceramics International in **November 2024** doi: [10.1016/j.ceramint.2024.11.205](https://doi.org/10.1016/j.ceramint.2024.11.205).
- Renjith Bhaskaran, Department of Chemistry published an article titled “A Schiff-Base Molecular Probe for Selective Fluorescence Sensing of Maleic Acid with Recognition of Maleic Acid in Food Additives and Cell Imaging” in Journal of Fluorescence in **November 2024** doi: [10.1007/s10895-024-04015-x](https://doi.org/10.1007/s10895-024-04015-x).
- Mohd Sakib, Department of Computer Applications published an article titled “Optimizing support vector regression using grey wolf optimizer for enhancing energy efficiency and building prototype architecture” in Cluster Computing in **November 2024** doi: [10.1007/s10586-024-04802-y](https://doi.org/10.1007/s10586-024-04802-y).
- Srinivasan J, Department of Computer Applications published an article titled “Enhanced cryptographic performance and security using optimized edward-elgamal signature scheme for IoT and blockchain applications” in International Journal on Smart Sensing and Intelligent Systems in **November 2024** doi: [10.2478/ijssis-2024-0032](https://doi.org/10.2478/ijssis-2024-0032).
- M. Indumathi, G Nakkeeran, Dipankar Roy, Sonu Kumar Gupta, Department of Civil Engineering published an article titled “Innovative approaches to sustainable construction: a detailed study of rice husk ash as an eco-friendly substitute in cement” in Discover Applied Sciences in **December 2024** doi: [10.1007/s42452-024-06314-1](https://doi.org/10.1007/s42452-024-06314-1).



Paper Publications

- Bhukya Govardhan Naik, Nakkeeran Ganasen, Dipankar Roy & Golla Uday kiran, Department of Civil Engineering published an article titled “Recycling glass waste in mortar: a sustainable approach to enhancing strength and density” in Asian Journal of Civil Engineering in **December 2024** doi: [10.1007/s42107-024-01248-w](https://doi.org/10.1007/s42107-024-01248-w).
- Vineet Kumar, Department of EEE published an article titled “Improved Extraction of Parameters of Solar PV Cell Diode Model using Marine Walrus Inspired Optimization Algorithm” in IEEE Access in **December 2024** doi: [10.1109/ACCESS.2024.3504559](https://doi.org/10.1109/ACCESS.2024.3504559).
- S Manoj Kumar, Department of Mechanical Engineering published an article titled “Mechanical, wear, fatigue, water absorption and flammability of silane-treated Indian squid chitin powder-dispersed pineapple fiber-polyester composite” in Polymer Bulletin in **December 2024** doi: [10.1007/s00289-024-05589-z](https://doi.org/10.1007/s00289-024-05589-z).
- Yuvarajan Devarajan, Department of Mechanical Engineering published an article titled “Retraction note: Experimental investigation on slaughter, fish waste and poultry excrete oil as fuel blends in diesel engine (Biomass Conversion and Biorefinery, (2023), 13, 4, (2885-2893), 10.1007/s13399-021-01293-4)” in Biomass Conversion and Biorefinery in **December 2024** doi: [10.1007/s13399-024-06465-6](https://doi.org/10.1007/s13399-024-06465-6).
- Jagesh Kumar Prusty, Department of Mechanical Engineering published an article titled “Frequency analysis of skew sandwich plates with polyethylene terephthalate foam-core and carbon/basalt fiber-reinforced hybrid face layers using ANFIS model and experimental validation” in Mechanics of Advanced Materials and Structures in **December 2024** doi: [10.1080/15376494.2024.2438910](https://doi.org/10.1080/15376494.2024.2438910).
- Jagesh Kumar Prusty, Department of Mechanical Engineering published an article titled “Buckling data trained fuzzy logic for crack detection in composite glass/epoxy laminated beam” in Mechanics of Advanced Materials and Structures in **December 2024** doi: [10.1080/15376494.2024.2427392](https://doi.org/10.1080/15376494.2024.2427392).
- Janmoni Borah, Smriti Baruah & Subramaniam Rajasekaran, Department of Electronics & Communication Engineering published an article titled “Device Engineering of a Novel Lead-Free Solar Cell Architecture Utilizing Inorganic CsSnCl₃ and CsSnI₃ Perovskite-Based Dual Absorbers for Sustainable Powering of Wireless Networks” in Journal of Electronic Materials in **December 2024** doi: [10.1007/s11664-024-11605-9](https://doi.org/10.1007/s11664-024-11605-9).
- G. Arunkumar, Department of Computer Science & Engineering published an article titled “Weighted Majority Voting Ensemble for MRI-Based Brain Tumor Classification Using Capsule Networks and XGBoost” in Applied Magnetic Resonance in **December 2024** doi: [10.1007/s00723-024-01731-2](https://doi.org/10.1007/s00723-024-01731-2).
- Saikiran Neelam, Department of Computer Science & Technology published an article titled “Early knee osteoarthritis classification using distributed explainable convolutional neural network with local interpretable model-agnostic explanations” in Engineering Research Express in **December 2024** doi: [10.1088/2631-8695/ad9b6f](https://doi.org/10.1088/2631-8695/ad9b6f).
- Dinesh K, Department of Computer Science & Technology published an article titled “Temperature analysis of hydrodynamic journal bearing lubrication with a moving journal and a fixed bearing” in Advances in Materials and Processing Technologies in **December 2024** doi: [10.1080/2374068X.2023.2249720](https://doi.org/10.1080/2374068X.2023.2249720).



Paper Publications

- K Lokeshwaran, Department of Computer Science & Engineering-Data Science published an article titled “TS-AODV: Leveraging Trust for Secure Routing in Manets” in International Research Journal of Multidisciplinary Scope in **December 2024** doi: [10.47857/irjms.2024.v05i04.01440](https://doi.org/10.47857/irjms.2024.v05i04.01440).
- Arockia Raj A, Department of Computer Science & Engineering-Data Science published an article titled “Serverless Data Processing System and its Design Space Consideration” in International Research Journal of Multidisciplinary Scope in **December 2024** doi: [10.47857/irjms.2024.v05i04.01194](https://doi.org/10.47857/irjms.2024.v05i04.01194).
- K Lokeshwaran, Department of Computer Science & Engineering-Data Science published an article titled “Internet of Things Integrated Deep-Learning Algorithms Monitoring and Predicting Abnormalities in Agriculture Land” in Internet Technology Letters in **December 2024** doi: [10.1002/itl2.607](https://doi.org/10.1002/itl2.607).
- Chandra Sekhar Musalikunta, Department of Physics published an article titled “Recent breakthroughs in non-conjugated polymers for thermally activated delayed fluorescent OLEDs: emitters, hosts, and hole-transport materials” in Materials Chemistry Frontiers in **December 2024** doi: [10.1039/d4qm00720d](https://doi.org/10.1039/d4qm00720d).
- Alok Barik, Department of Physics published an article titled “Above room temperature multiferroic and magnetoelectric properties of (1- Φ) PZTFT- Φ CZFMO particulate composites” in Journal of the American Ceramic Society in **December 2024** doi: [10.1111/jace.20268](https://doi.org/10.1111/jace.20268).

Conferences Papers

- Dipankar Roy, Department of Civil Engineering presented a paper titled “Development of Intensity-Duration-Frequency (IDF) Curve for Extreme Flood Evaluation for Holeta Town, Ethiopia” in Advances in Science, Technology and Innovation in **July 2024** doi: [10.1007/978-3-031-43922-3_157](https://doi.org/10.1007/978-3-031-43922-3_157).
- K. Lakshmi Khandan, Department of EEE presented a paper titled “A Fuzzy Logic Controller for a Photovoltaic System Relying on a Closed-Loop DC-DC Converter” in Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024 in **July 2024** doi: [10.1109/ICONSTEM60960.2024.10568741](https://doi.org/10.1109/ICONSTEM60960.2024.10568741).
- G. Mallikarjuna, Department of EEE presented a paper titled “Design and Development of an Apple Fruit Disease Identification Methodology Based on Enhanced Deep Learning Strategy” in Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024 in **July 2024** doi: [10.1109/ICONSTEM60960.2024.10568770](https://doi.org/10.1109/ICONSTEM60960.2024.10568770).
- G. Mallikarjuna, Department of EEE presented a paper titled “Design and Development of an Apple Fruit Disease Identification Methodology Based on Enhanced Deep Learning Strategy” in Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024 in **July 2024** doi: [10.1109/ICONSTEM60960.2024.10568770](https://doi.org/10.1109/ICONSTEM60960.2024.10568770).
- Bondu Vijayakumar, Department of EEE presented a paper titled “Big Data Analytics for Smart Meter Data in Power Systems” in Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024 in **July 2024** doi: [10.1109/ICONSTEM60960.2024.10568661](https://doi.org/10.1109/ICONSTEM60960.2024.10568661).



Conferences Papers

- K. Lakshmi Khandan, Department of EEE presented a paper titled “Self-Adaptive Electronics using Artificial Neural Networks” in Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM2024 in July 2024 doi: [10.1109/ICONSTEM60960.2024.10568609](https://doi.org/10.1109/ICONSTEM60960.2024.10568609).
- T. S. Balaji Damodhar, Department of EEE presented a paper titled “Air Purification Robotics using Cloud and Deep Q Networks for Autonomous Systems” in Proceedings - 2024 1st International Conference on Innovative Sustainable Technologies for Energy, Mechatronics and Smart Systems, ISTEMS 2024 in July 2024 doi: [10.1109/ISTEMS60181.2024.10560117](https://doi.org/10.1109/ISTEMS60181.2024.10560117).
- Y Pradeep Kumar; Kolla Prashanth; Thatireddy Praneeth Reddy; Gundluru Puneeth Vinay, Department of EEE presented a paper titled “Safeguarding Journeys: Raspberry pi's Intelligent Driver Monitoring” in International Conference on Smart Systems for Applications in Electrical Sciences, ICSSSES 2024 in July 2024 doi: [10.1109/ICSSSES62373.2024.10561317](https://doi.org/10.1109/ICSSSES62373.2024.10561317).
- C Kumar, Department of ECE presented a paper titled “Low Power Design Techniques for IoT Devices” in Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024 in July 2024 doi: [0.1109/ICONSTEM60960.2024.10568684](https://doi.org/10.1109/ICONSTEM60960.2024.10568684).
- G. Mahammed Rafi; Naga Jyothi. Grande; K. Naveen; R. Harish; P. Venkatesh, Department of ECE presented a paper titled “Development and Assessment of a Four-Element Ultra-Wideband (UWB) MIMO Antenna System for 5G Implementations” in 2024 3rd International Conference on Artificial Intelligence for Internet of Things, AIIoT 2024 in July 2024 doi: [10.1109/AIIoT58432.2024.10574560](https://doi.org/10.1109/AIIoT58432.2024.10574560).
- Nehru Kandasamy; G.Ganesh Kumar; D Dheeraj Reddy; E.Ashok Kumar, Department of ECE presented a paper titled “Analysis of Serial Adder Using FinFET Based GDI Technique” in International Conference on Smart Systems for Applications in Electrical Sciences, ICSSSES 2024 in July 2024 doi: [10.1109/ICSSSES62373.2024.10561297](https://doi.org/10.1109/ICSSSES62373.2024.10561297).
- P. Prakash; K. Bhagavan; P. Apsiya; C. Chandana, Department of ECE presented a paper titled “A Comprehensive Liver Tumor Detection and Stages Classification Using Deep Learning and Image Processing Techniques” in International Conference on Smart Systems for Applications in Electrical Sciences, ICSSSES 2024 in July 2024 doi: [10.1109/ICSSSES62373.2024.10561272](https://doi.org/10.1109/ICSSSES62373.2024.10561272).
- Srikantarao S., Vosuri N., Edagotti J., Saqlain Ur Rahaman S.M., Asharf S.M., Department of CST presented a paper titled “Indian Sign Language Detection Using Deep Learning” in 2024 International Conference on Intelligent Systems for Cybersecurity, ISCS 2024 in July 2024 doi: [10.1109/ISCS61804.2024.10581347](https://doi.org/10.1109/ISCS61804.2024.10581347).
- Sudheer Nidamanuri, Department of CST presented a paper titled “AI-Enabled Predictive Maintenance for Industrial Equipment in the Era of IoT” in Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024 in July 2024 doi: [10.1109/ICONSTEM60960.2024.10568814](https://doi.org/10.1109/ICONSTEM60960.2024.10568814).
- Vishal Y., Bhaskar J.U., Yaswanthreddy R., Vyshnavi C., Shanti S., Department of CST presented a paper titled “A Novel Approach for Inappropriate Content Detection and Classification of Youtube Videos using Deep Learning” in Proceedings of the 3rd International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2024 in July 2024 doi: [10.1109/ICONSTEM60960.2024.10568814](https://doi.org/10.1109/ICONSTEM60960.2024.10568814).



Conferences Papers

- D Abdul Jaleel, Department of CST presented a paper titled “Unified Security Framework for Cloud Applications with IoT Fusion via Decentralized Blockchain” in Proceedings of the 3rd International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2024 in July 2024 doi: [10.1109/ICAAIC60222.2024.10575108](https://doi.org/10.1109/ICAAIC60222.2024.10575108).
- N Saikiran; K Yogeswar Reddy; C Pavanewara Reddy; S Karthik, Department of CST presented a paper titled “Advanced Anomaly Detection in Cloud Security Using Gini Impurity and ML” in Proceedings of the 3rd International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2024 in July 2024 doi: [10.1109/ICAAIC60222.2024.10575757](https://doi.org/10.1109/ICAAIC60222.2024.10575757).
- K Sree Divya, Department of CST presented a paper titled “Implementing Blockchain Based DApp for Secure Sharing of Students' Credentials” in 2024 IEEE 9th International Conference for Convergence in Technology, I2CT 2024 in July 2024 doi: [10.1109/I2CT61223.2024.10543559](https://doi.org/10.1109/I2CT61223.2024.10543559).
- Toralkar Pawan, Department of CSE-Artificial Intelligence presented a paper titled “Privacy-Preserving Techniques for IoT Data Sharing” in Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024 in July 2024 doi: [10.1109/ICONSTEM60960.2024.10568673](https://doi.org/10.1109/ICONSTEM60960.2024.10568673).
- G. Jenifa, Department of CSE-Artificial Intelligence presented a paper titled “An Effective Personality Recognition Model Design using Generative Artificial Intelligence based Learning Principles” in ICCDS 2024 - International Conference on Computing and Data Science in July 2024 doi: [10.1109/ICCD60734.2024.10560368](https://doi.org/10.1109/ICCD60734.2024.10560368).
- K. Johari; A. Karthikram; K. Pavan Kumar; S. Revanth Reddy; P. Pavan Kumar, Department of CSE-Cyber Security presented a paper titled “Automated Web Application Hacking Framework” in ICCDS 2024 - International Conference on Computing and Data Science in July 2024 doi: [10.1109/ICCD60734.2024.10560380](https://doi.org/10.1109/ICCD60734.2024.10560380).
- V. G. Murugan, Department of Management Studies presented a paper titled “Intelligent AI within a Metamodel Control System for Financial Crisis Management System” in 5th International Conference on Recent Trends in Computer Science and Technology, ICRTCST 2024 – Proceedings in July 2024 doi: [10.1109/ICRTCST61793.2024.10578452](https://doi.org/10.1109/ICRTCST61793.2024.10578452).
- V. G. Murugan, Department of Management Studies presented a paper titled “Automatic Stock Price Prediction and Classification Based on Hybrid with AI Feature Selection Method” in 5th International Conference on Recent Trends in Computer Science and Technology, ICRTCST 2024 – Proceedings in July 2024 doi: [10.1109/ICRTCST61793.2024.10578425](https://doi.org/10.1109/ICRTCST61793.2024.10578425).
- Sudheerkumar Yantrapalli, Priyam N. B, Anitha K, Department of Civil Engineering presented a paper titled “Study on Influence of Brine Solution on swelling Behaviour of Expansive soil” Journal of Physics: Conference Series in August 2024 doi: [10.1088/1742-6596/2779/1/012060](https://doi.org/10.1088/1742-6596/2779/1/012060).
- V. Pavan Kumar, Department of EEE presented a paper titled “A DVR-Based Compensation System Under Various Power System Faults in a Multi-microgrid” in Lecture Notes in Electrical Engineering in August 2024 doi: [10.1007/978-981-97-2788-9_17](https://doi.org/10.1007/978-981-97-2788-9_17).
- Kamlesh Kumar, Department of Mechanical Engineering presented a paper titled “Welding of Ti-6Al-4V Alloy: A Review” in Lecture Notes in Mechanical Engineering in August 2024 doi: [10.1007/978-981-97-4324-7_15](https://doi.org/10.1007/978-981-97-4324-7_15).



Conferences Papers

- Chodagam Srinivas; Shaik Ayesha; Shaik Ahammad; T S Rahamath Ali; Thoti Sowjanya; Y Mohan Krishna, Department of EEE presented a paper titled “Mitigating Power Losses in Distribution Systems: Integrating EV Charging Stations and Renewable Energy Sources” in 2024 International Conference on Advances in Modern Age Technologies for Health and Engineering Science, AMATHE 2024 in August 2024 doi: [10.1109/AMATHE61652.2024.10582139](https://doi.org/10.1109/AMATHE61652.2024.10582139).
- G Reddy Hemantha, Department of ECE presented a paper titled “Characterization and Modeling of Gate-All-Around FET (GAA FET) for Low-Power and High- Performance Applications” in 2024 International Conference on Advances in Modern Age Technologies for Health and Engineering Science, AMATHE 2024 in August 2024 doi: [10.1109/AMATHE61652.2024.10582059](https://doi.org/10.1109/AMATHE61652.2024.10582059).
- Subbarayudu; Harshitha Yadalam; Jeevana Seepiri; Jayalakshmi Bhogathi, Department of ECE presented a paper titled “Glaucoma Detection Through Synergistic Combination of Image Processing and Deep CNN using MATLAB” in 2024 5th International Conference for Emerging Technology, INCET 2024 in August 2024 doi: [10.1109/INCET61516.2024.10593177](https://doi.org/10.1109/INCET61516.2024.10593177).
- Dhruva Jyoti Bora; Syed Sabiha; Bandi Renuka; Mandapalli Reddy Ranjitha, Department of ECE presented a paper titled “Study and Analysis of Electrode, Electrolyte and Skin Interface with Emphasis on Overall Magnitude of Impedance” in 2024 International Conference on Advances in Modern Age Technologies for Health and Engineering Science, AMATHE 2024 in August 2024 doi: [10.1109/AMATHE61652.2024.10582128](https://doi.org/10.1109/AMATHE61652.2024.10582128).
- J. Ashpin Pabi, Department of CSE presented a paper titled “Molecular Biomarkers for Personalized Diagnosis and Treatment of Gastric Cancer Using Deep Learning Techniques” in Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024 in August 2024 doi: [10.1109/ACCAI61061.2024.10601916](https://doi.org/10.1109/ACCAI61061.2024.10601916).
- M S P Durgarao, Department of CSE presented a paper titled “A security framework for 5G-enabled wireless sensor networks based on blockchain technology” in 2024 International Conference on Knowledge Engineering and Communication Systems, ICKECS 2024 in August 2024 doi: [10.1109/ICKECS61492.2024.10617316](https://doi.org/10.1109/ICKECS61492.2024.10617316).
- Abdul Jaleel D, Department of CST presented a paper titled “Temporal Threat Recognition in Supply Chains: Integrating Hidden Markov Models for Proactive Security with AI-Driven Automated Threat Hunting” in 2024 International Conference on Advances in Modern Age Technologies for Health and Engineering Science, AMATHE 2024 in August 2024 doi: [10.1109/AMATHE61652.2024.10582202](https://doi.org/10.1109/AMATHE61652.2024.10582202).
- M. Vasudevan, Department of CSE-Artificial Intelligence presented a paper titled “Blockchain-Based Federated Learning for Data Privacy and Security” in Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024 in August 2024 doi: [10.1109/ACCAI61061.2024.10602356](https://doi.org/10.1109/ACCAI61061.2024.10602356).
- Thammisetty Swetha, Department of CSE-Data Science presented a paper titled “Enhancing Cloud IoT Security with Blockchain and SDN” in Proceedings of International Conference on Communication, Computer Sciences and Engineering, IC3SE 2024 in August 2024 doi: [10.1109/IC3SE62002.2024.10593053](https://doi.org/10.1109/IC3SE62002.2024.10593053).



Conferences Papers

- Thammisetty Swetha, Department of CSE-Data Science presented a paper titled “Fortifying Database Security: Integrating Advanced HoneyPot Technology for Resilient SQL Injection Defense” in Proceedings of International Conference on Communication, Computer Sciences and Engineering, IC3SE 2024 in August 2024 doi: [10.1109/IC3SE62002.2024.10593048](https://doi.org/10.1109/IC3SE62002.2024.10593048).
- T Pruthviraj Singh; G Deepak Kumar; M Mutharasu; K Tejaswaroop Rao; S Mohammed Imran, Department of CSE-Cyber Security presented a paper titled “YARS-IDS: A Novel IDS for Multi-Class Classification” in Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024 in August 2024 doi: [10.1109/ACCAI61061.2024.10601966](https://doi.org/10.1109/ACCAI61061.2024.10601966).
- T Saravanan, Department of Computer Applications presented a paper titled “Artificial Intelligence and Machine Learning Approaches based on Power Reduction in Automated Internet of Things Devices” in Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024 in August 2024 doi: [10.1109/ACCAI61061.2024.10602214](https://doi.org/10.1109/ACCAI61061.2024.10602214).
- Sonu Kumar Gupta, Department of Civil Engineering presented a paper titled “An overview of recent trends and future prospects of sustainable natural fiber-reinforced polymeric composites for tribological applications” in Industrial Crops and Products in September 2024 doi: [10.1016/j.indcrop.2024.119501](https://doi.org/10.1016/j.indcrop.2024.119501).
- V. Pavan Kumar, Department of EEE presented a paper titled “Three-Phase Power Distribution from Electric Vehicles: Enabling Rural Electrification and Sustainable Mobility” in 2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2024 – Proceedings in September 2024 doi: [10.1109/IConSCEPT61884.2024.10627889](https://doi.org/10.1109/IConSCEPT61884.2024.10627889).
- R.Sunil Kumar; Venkata Pavan Kumar Arapirala; S Jaya Kiran; P Mahesh Babu; L. Prathyusha, Department of EEE presented a paper titled “Three-Phase Power Distribution from Electric Vehicles: Enabling Rural Electrification and Sustainable Mobility” in 2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2024 - Proceedings in September 2024 doi: [10.1109/IConSCEPT61884.2024.10627889](https://doi.org/10.1109/IConSCEPT61884.2024.10627889).
- Bangi Lokesh; Ramesh Kumar Ravi; N Mahesh; Badugu Sekhar; Manigala Mahendra, Venkata Pavan Kumar Arapirala, Department of EEE presented a paper titled “Design and Analysis of BLDC Motor-Based Electric Vehicle Using Fuzzy Logic Controller” in 2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2024 - Proceedings in September 2024 doi: [10.1109/IConSCEPT61884.2024.10627772](https://doi.org/10.1109/IConSCEPT61884.2024.10627772).
- G. Sharan Sai Reddy; Venkata Pavan Kumar Arapirala; E. Manasa; V. Sivaji; V. Nishanth Achari, C Kamal Basha, Department of EEE presented a paper titled “Efficiency Analysis of VSC Controllers: Discrete PWM vs Improved Hysteresis PWM for Voltage Sag Improvement in Grid-Connected Hybrid PV-Wind Systems” in 2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2024 - Proceedings in September 2024 doi: [10.1109/IConSCEPT61884.2024.10627905](https://doi.org/10.1109/IConSCEPT61884.2024.10627905).



Conferences Papers

- A V Pavan Kumar; B. Vijaya Kumar; K Arul Kumar; Y Ramanjaneyulu, Department of EEE presented a paper titled “Reactive Power Compensation in Multi-microgrid Environment” in 2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2024 - Proceedings in **September 2024** doi: [10.1109/IConSCEPT61884.2024.10627816](https://doi.org/10.1109/IConSCEPT61884.2024.10627816).
- C. Kumar; N.Devi Sree; R.Dhana Lakshmi; B. Bhavana, Department of ECE presented a paper titled “Enhancing Radiologist's Performance in Breast Cancer Screening Using PSO Algorithm with CNN Classifier” in 2024 4th International Conference on Intelligent Technologies, CONIT 2024 in **September 2024** doi: [10.1109/CONIT61985.2024.10626732](https://doi.org/10.1109/CONIT61985.2024.10626732).
- T. Shanthy; S R Sree Lakshmi; G Saileela; N S Sneha Latha, Department of ECE presented a paper titled “Implementing Interference Minimization Algorithm for Improved Performance in 8×8 MU-MIMO Systems” in 2024 IEEE International Conference on Information Technology, Electronics and Intelligent Communication Systems, ICITEICS 2024 in **September 2024** doi: [10.1109/ICITEICS61368.2024.10624875](https://doi.org/10.1109/ICITEICS61368.2024.10624875).
- E. Sathiyarayanan; N. Sridhar; T. Manivannan; A. Venkat; G. Nagendra Reddy; P. Nithin, Department of ECE presented a paper titled “Optimized High-Speed Wallace Tree Multiplier Using Parallel Prefix Adders” in International Conference on Smart Systems for Electrical, Electronics, Communication and Computer Engineering, ICSSEEC 2024 - Proceedings in **September 2024** doi: [10.1109/ICSSEEC61126.2024.10649488](https://doi.org/10.1109/ICSSEEC61126.2024.10649488).
- B. Shyamsundar; R. Venkateswara; H. Pavan Kumar; H. Shree Kumar, Department of ECE presented a paper titled “Development of a Fast and Energy-Efficient Carrier Bypass Adder with Tunable Delay Extension Using the Han Carlson Adder” in 2024 IEEE International Conference on Information Technology, Electronics and Intelligent Communication Systems, ICITEICS 2024 in **September 2024** doi: [10.1109/ICITEICS61368.2024.10625150](https://doi.org/10.1109/ICITEICS61368.2024.10625150).
- B. Shyamsundar; R. Venkateswara; H. Pavan Kumar; H. Shree Kumar, Department of ECE presented a paper titled “Development of a Fast and Energy-Efficient Carrier Bypass Adder with Tunable Delay Extension Using the Han Carlson Adder” in 2024 IEEE International Conference on Information Technology, Electronics and Intelligent Communication Systems, ICITEICS 2024 in **September 2024** doi: [10.1109/ICITEICS61368.2024.10625150](https://doi.org/10.1109/ICITEICS61368.2024.10625150).
- K. Sathesh; T. Manivannan; Kowsalya P; E. Sathiyarayanan; P. Ramanathan; E. Aravindraj, Department of ECE presented a paper titled “Efficient Noise Cancellation in Lung Signals Using Pipelined Adaptive LMS Algorithm, in International Conference on Smart Systems for Electrical, Electronics, Communication and Computer Engineering, ICSSEEC 2024 – Proceedings in **September 2024** doi: [10.1109/ICSSEEC61126.2024.10649421](https://doi.org/10.1109/ICSSEEC61126.2024.10649421).
- P. Ramanathan; K Ramanjaneyulu; S Sai Manikanta Prakash, T Reddy Venkata Chetan, N Abhiram Varma, Department of ECE presented a paper titled “Multi-Class Skin Disease Classification: A Study of Transfer Learning Strategies for Deep Learning Models” in 2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2024 – Proceedings in **September 2024** doi: [10.1109/IConSCEPT61884.2024.10627847](https://doi.org/10.1109/IConSCEPT61884.2024.10627847).
- K. Sathish, Department of CSE presented a paper titled “A Deep Learning Approach for Sustainable and Secure Operations of Cloud Data Centres for Optimising the Energy Efficiency” in Proceedings - 2024 International Conference on Expert Clouds and Applications, ICOECA 2024 in **September 2024** doi: [10.1109/ICOECA62351.2024.00126](https://doi.org/10.1109/ICOECA62351.2024.00126).



Conferences Papers

- D. Jaganathan, Department of CSE-AI presented a paper titled “Revolutionizing Cardiovascular Attack Prediction: A Comprehensive Machine Learning Approach for Accurate and Timely Detection” in Proceedings - 2024 International Conference on Expert Clouds and Applications, ICOECA 2024 in **September 2024** doi: [10.1109/ICOECA62351.2024.00119](https://doi.org/10.1109/ICOECA62351.2024.00119).
- V. Sivaraman, Department of CSE-AI&ML presented a paper titled “Locating Patient Health Data Theft Using Gradient Boosting with Hybrid Microwave Transmission-Based Wearable Device” in 2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2024 – Proceedings in **September 2024** doi: [10.1109/IConSCEPT61884.2024.10627827](https://doi.org/10.1109/IConSCEPT61884.2024.10627827).
- Devanolla Suresh, Department of CST presented a paper titled “An Empirical Approach of Developing Domain Based Ontology in the Field of Bioinformatics” in 2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024 in **September 2024** doi: [10.1109/ICACITE60783.2024.10616985](https://doi.org/10.1109/ICACITE60783.2024.10616985).
- M. Sreedevi, Department of CST presented a paper titled “A Support System Development for Healthcare System using FL and FC Techniques” in 2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024 in **September 2024** doi: [10.1109/ICACITE60783.2024.10616946](https://doi.org/10.1109/ICACITE60783.2024.10616946).
- R. Maruthamuthu, Department of Computer Applications presented a paper titled “A Way to Design Fog Computing Model for 5G Network using Vanet” in 2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024 in **September 2024** doi: [10.1109/ICACITE60783.2024.10617287](https://doi.org/10.1109/ICACITE60783.2024.10617287).
- R. Maruthamuthu, Department of Computer Applications presented a paper titled “Experimental and numerical validation of the energy-saving performance of a passive pcm floor for a real-scale building” in E3S Web of Conferences in **September 2024** doi: [10.1051/e3sconf/202456411017](https://doi.org/10.1051/e3sconf/202456411017).
- R. Maruthamuthu, Department of Computer Applications presented a paper titled “The Contribution of Active Cooling on Perovskite Photovoltaic Cell Performance and Its Impact on the Power Production” in E3S Web of Conferences in **September 2024** doi: [10.1051/e3sconf/202456405013](https://doi.org/10.1051/e3sconf/202456405013).
- V. Naveen, Department of Computer Applications presented a paper titled “An Innovative Method of Developing BI-LSTM and KNN Algorithms for Disintegrating Sentiments Through Reviews” in 2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024 in **September 2024** doi: [10.1109/ICACITE60783.2024.10616887](https://doi.org/10.1109/ICACITE60783.2024.10616887).
- K S Rajesh, Department of EEE presented a paper titled “Smart Vending Machines: Improving Service Quality with Integrated Controllers and SVM Algorithm” in ICEPE 2024 - 6th International Conference on Energy, Power and Environment: Towards Indigenous Energy Utilization in **October 2024** doi: [10.1109/ICEPE63236.2024.10668878](https://doi.org/10.1109/ICEPE63236.2024.10668878).
- K S Rajesh, Department of EEE presented a paper titled “Cloud-based Decision Support Systems for Securing Farm-to-Table Traceability using IoT and KNN Algorithm” in 2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things, ICoICI 2024 – Proceedings in **October 2024** doi: [10.1109/ICoICI62503.2024.10696659](https://doi.org/10.1109/ICoICI62503.2024.10696659).



Conferences Papers

- Venkatesh M, Department of EEE presented a paper titled “Fault Detection in Building Infrastructure Using IoT Sensors and Bayesian Network” in 2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things, ICoICI 2024 – Proceedings in **October 2024** doi: [10.1109/ICoICI62503.2024.10696849](https://doi.org/10.1109/ICoICI62503.2024.10696849)
- Mohit Kumar Singh, Department of ECE presented a paper titled “Simulation investigations of a pixelated metasurface absorber comprising CdTe, InAs, and InSb pixels for terahertz radiation” in 2024 Control Instrumentation System Conference: Guiding Tomorrow: Emerging Trends in Control, Instrumentation, and Systems Engineering, CISCON 2024 in **October 2024** doi: [10.1109/CISCON62171.2024.10696349](https://doi.org/10.1109/CISCON62171.2024.10696349).
- Mohit Kumar Singh, Department of ECE presented a paper titled “Investigation of Metasurface Absorber Using CdTe, Graphene and InSb for Terahertz Applications” in 2024 Control Instrumentation System Conference: Guiding Tomorrow: Emerging Trends in Control, Instrumentation, and Systems Engineering, CISCON 2024 in **October 2024** doi: [10.1109/CISCON62171.2024.10696257](https://doi.org/10.1109/CISCON62171.2024.10696257).
- Yagnendra C.; Kumar B.A.; Suresh A.; Ghosh S., Department of ECE presented a paper titled “Design & Simulation of Fuel cell/Battery Hybrid Energy Storage System” in Proceedings of International Conference on Circuit Power and Computing Technologies, ICCPCT 2024 in **October 2024** doi: [10.1109/ICCPCT61902.2024.10673310](https://doi.org/10.1109/ICCPCT61902.2024.10673310).
- Nanda Gopal, A, Department of ECE presented a paper titled “Ambulance Optimal Path Detection Using Folium and Polygonal Path Finding” in Communications in Computer and Information Science in **October 2024** doi: [10.1007/978-3-031-68908-6_15](https://doi.org/10.1007/978-3-031-68908-6_15).
- Prasanth V.S, Department of ECE presented a paper titled “Computer Vision-Based Speed Tracking and Dynamic Exceed Limit System” in Communications in Computer and Information Science in **October 2024** doi: [10.1007/978-3-031-68905-5_32](https://doi.org/10.1007/978-3-031-68905-5_32).
- Abdul Jaleel D, Department of CST presented a paper titled “Wearable Sensor-Based Machine Learning in Gait Pattern Analysis for Fall Prediction Systems: An Investigative Research Study” in 2024 OPJU International Technology Conference on Smart Computing for Innovation and Advancement in Industry 4.0, OTCON 2024 in **October 2024** doi: [10.1109/OTCON60325.2024.10687848](https://doi.org/10.1109/OTCON60325.2024.10687848).
- Poongodai A, Department of CSE-AI presented a paper titled “Association Between Demographic Factors and Internet Banking Usage” in Communications in Computer and Information Science in **October 2024** doi: [10.1007/978-3-031-72284-4_27](https://doi.org/10.1007/978-3-031-72284-4_27).
- Pawan T, Department of CSE-AI presented a paper titled “Leveraging AI and ML for Predictive Analysis and Feature Attribution in Abnormal Network Behavior Detection” in 2024 2nd World Conference on Communication and Computing, WCONF 2024 in **October 2024** doi: [10.1109/WCONF61366.2024.10692056](https://doi.org/10.1109/WCONF61366.2024.10692056).
- Nagarajan A, Department of CSE-AI presented a paper titled “Exploring the Hidden Potential of Cyber Security Oriented Intelligent Data Hiding in Encrypted Images” in Proceedings - 1st International Conference on Electronics, Communication and Signal Processing, ICECSP 2024 in **October 2024** doi: [10.1109/ICECSP61809.2024.10698334](https://doi.org/10.1109/ICECSP61809.2024.10698334).
- Shahad P, Department of CSE-AI presented a paper titled “Unveiling AI Patterns: An Experimental Evaluation of Machine Learning based Women's Safety Prediction Strategy” in 2024 2nd World Conference on Communication and Computing, WCONF 2024 in **October 2024** doi: [10.1109/WCONF61366.2024.10692105](https://doi.org/10.1109/WCONF61366.2024.10692105).



Conferences Papers

- Vasudevan M, Department of CSE-AI presented a paper titled “A Comprehensive Experimentation on Security-Conserving Storage Verifications and Data Dynamics Over Cloud Storage Environment” in Proceedings - 1st International Conference on Electronics, Communication and Signal Processing, ICECSP 2024 in **October 2024** doi: [10.1109/ICECSP61809.2024.10698380](https://doi.org/10.1109/ICECSP61809.2024.10698380).
- E. Gnanaprasuna, Department of Management Studies presented a paper titled “Novel Metrics Introduced to Quantify the Level of Circularity in Business Models Enabled by Open Innovation” in TQCEBT 2024 - 2nd IEEE International Conference on Trends in Quantum Computing and Emerging Business Technologies 2024 in **October 2024** doi: [10.1109/TQCEBT59414.2024.10545093](https://doi.org/10.1109/TQCEBT59414.2024.10545093)
- Jagannathan S, Department of Computer Applications presented a paper titled “Robust Fingerprint Minutiae Extraction and Matching Using Fully Connected Deep Convolutional Neural Network and Improved SIFT” in 2nd IEEE International Conference on Data Science and Network Security, ICDSNS 2024 in **October 2024** doi: [10.1109/ICDSNS62112.2024.10691043](https://doi.org/10.1109/ICDSNS62112.2024.10691043).
- Srinivasan Jagannathan, Department of Computer Applications presented a paper titled “Smart Home Automation with IoT Sensor Systems for Energy Conservation using Zigbee and Wifi” in 5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 – Proceedings in **October 2024** doi: [10.1109/ICESC60852.2024.10690054](https://doi.org/10.1109/ICESC60852.2024.10690054).
- Vamsi C; Revathi Koduri; Revathy Gopinath; Sathish Kumar C; Sravya A; Tharun Kumar K, Department of EEE presented a paper titled “QCA Revolution: Transforming ALU Operations in Microprocessor Structures” in 10th International Conference on Advanced Computing and Communication Systems, ICACCS 2024 in **November 2024** doi: [10.1109/ICACCS60874.2024.10717070](https://doi.org/10.1109/ICACCS60874.2024.10717070).
- Rao, M.L, Department of Mechanical Engineering presented a paper titled “Trend-Forecasting of Covid-19 Cases using Regression Analysis and Python” in 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024 in **November 2024** doi: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209132098&partnerID=40&md5=005db78cdb5d2e0fb8cd8e680ff45e82>
- S. Rajasekaran, Department of ECE presented a paper titled “Comparison of SPV System Performance with DAST System Using MPPT Algorithms” in Lecture Notes in Networks and Systems in **November 2024** doi: [10.1007/978-981-97-4152-6_36](https://doi.org/10.1007/978-981-97-4152-6_36).
- Swetha, G.N., Likitha, P.R., Rakesh, P., Darshini, K.R.P, Department of ECE presented a paper titled “An Extensive Challenge for Multi-Disease Identification using HYBRID Algorithm” in 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024 in **November 2024** doi: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209085437&partnerID=40&md5=d837100e5942b8f94d6c86e406b46c32>.
- V Vamsi Krishna Muvvala, Department of ECE presented a paper titled “A star shaped Compact Tri Band Antenna Design for C, X and Ku-Band Applications” in 2024 3rd International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2024 in **November 2024** doi: [10.1109/ICEEICT61591.2024.10718601](https://doi.org/10.1109/ICEEICT61591.2024.10718601).



Conferences Papers

- Anandaraj, B., Monisha, P., Krishna Vinaya, M., Laya, V., Mamatha, V., Department of CSE presented a paper titled “Parkinson's Disease Detection using Deep Learning” in 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024 in November 2024 doi: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209141214&partnerID=40&md5=d40389b2921acf91af85263e8c294335>.
- Nagaraj J, Department of CSE presented a paper titled “Hate Speech Detection and Classification Using NLP” in 2nd IEEE International Conference on Advances in Information Technology, ICAIT 2024 – Proceedings in November 2024 doi: [10.1109/ICAIT61638.2024.10690655](https://doi.org/10.1109/ICAIT61638.2024.10690655).
- Rao, M.S.P.D., Harshitha, M., Kumar, V.N.V.R., Harika, A.S., Harika, B.S., Department of CSE presented a paper titled “IoT Home Control an Android Application for Appliance Management” in 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024 in November 2024 doi: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209123495&partnerID=40&md5=9c110c5eff9d667b4c33771b3080a79d>.
- Shahad P; Modin Rasheed Ahamed; Ronda Balaji; Nadavati Mahesh; Kambham Siva Nandini, Department of CSE presented a paper titled “Exploring History: Monument Identification and Visualization using Deep Learning and Augmented Reality” in 2nd IEEE International Conference on Advances in Information Technology, ICAIT 2024 – Proceedings in November 2024 doi: [10.1109/ICAIT61638.2024.10690687](https://doi.org/10.1109/ICAIT61638.2024.10690687).
- Yallapragada Ravi Raju, Department of CSE presented a paper titled “Enhancing Maize Leaf Disease Prediction with Advanced Machine Learning Models” in Smart Innovation, Systems and Technologies in November 2024 doi: [10.1007/978-981-97-5081-8_33](https://doi.org/10.1007/978-981-97-5081-8_33).
- Hemanand Chittapragada, Department of CSE presented a paper titled “The Influence of Mobile Commerce on Consumer Behavior: A FCM-RF-DNN Analysis” in International Conference on Intelligent Algorithms for Computational Intelligence Systems, IACIS 2024 in November 2024 doi: [10.1109/IACIS61494.2024.10721778](https://doi.org/10.1109/IACIS61494.2024.10721778).
- Rao, M.S.P.D., Nandini, U.N., Nandhini, T., Sree, R.N., Lahari, V., Department of CSE presented a paper titled “Identification of Phony Profiles on Social Platforms using Random Forest and Decision Tree Algorithms” in 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024 in November 2024 doi: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209150471&partnerID=40&md5=d21d377aa558cd07b9a5ff46387fef22>.
- Bhavana, R., Kalaivani, S., Dharanidhar, B., Reddy, K.K., Lokesh, K., Christopher, S.B.K, Department of CSE presented a paper titled “Audio Forgery Alert: Uncovering Artificial Audio with Deepfake Detection” in 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024 in November 2024 doi: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209061732&partnerID=40&md5=96b75ba1885685b4d1aa654c60b5dadd>.



Conferences Papers

- Koppiseti Giridhar, Dharmavaram Hyndhavi, Shaik Nayab Mohammed Hayath, Kamsala Devichandu, Deshmukh Faris Khan, Department of CST presented a paper titled “IoT-driven sport activity recognition system empowered by deep learning and wearable technology” in Computational Methods in Science and Technology - Proceedings of the 4th International Conference on Computational Methods in Science and Technology, ICCMST 2024 in **November 2024** doi: [10.1201/9781003561651-56](https://doi.org/10.1201/9781003561651-56).
- D. Abdul Jaleel, D. Sai Darshan, K.V. Dheeraj Kumar, Syed Faizan, T. Hemanth Kumar, Department of CST presented a paper titled “Enhancing brain tumour classification and detection using CNN” in Computational Methods in Science and Technology - Proceedings of the 4th International Conference on Computational Methods in Science and Technology, ICCMST 2024 in **November 2024** doi: [10.1201/9781003561651-40](https://doi.org/10.1201/9781003561651-40).
- Pathan Firoze Khan, Department of CST presented a paper titled “Campus Placement Prediction using Facebook Prophet and eXtreme Gradient Boost Algorithm” in 10th International Conference on Advanced Computing and Communication Systems, ICACCS 2024 in **November 2024** doi: [10.1109/ICACCS60874.2024.10717090](https://doi.org/10.1109/ICACCS60874.2024.10717090).
- Pathan Firoze Khan, Department of CST presented a paper titled “Leveraging an Ensemble Time Series Rainfall Forecasting System by Employing Neural Prophet and BiLSTM with Attention” in 10th International Conference on Advanced Computing and Communication Systems, ICACCS 2024 in **November 2024** doi: [10.1109/ICACCS60874.2024.10717115](https://doi.org/10.1109/ICACCS60874.2024.10717115).
- Kamparapu V V Satya Trinadh Naidu, Department of CSE-AI presented a paper titled “An Extensive Analysis of Machine Learning and Deep Learning Based Banana Leaf Disease Detection Techniques” in 10th International Conference on Advanced Computing and Communication Systems, ICACCS 2024 in **November 2024** doi: [10.1109/ICACCS60874.2024.10717097](https://doi.org/10.1109/ICACCS60874.2024.10717097).
- Kamaluru Mahammad, Department of CSE-AI presented a paper titled “A Novel Algorithm for Selecting Relay Nodes in Clusters of Mobile Wireless Sensor Networks Considering Power and Delay” in 10th International Conference on Advanced Computing and Communication Systems, ICACCS 2024 in **November 2024** doi: [10.1109/ICACCS60874.2024.10716993](https://doi.org/10.1109/ICACCS60874.2024.10716993).
- Nandhini Mahadevan; Thammisetty Swetha; N. Sai Kumudini; R. Yogendra; K. Sai Nithya Sree; Tirumalaiahgari Sajitha, Department of CSE-DS presented a paper titled “Enhancing Image Recognition for Security Applications: A Machine Learning Approach” in 2nd IEEE International Conference on Advances in Information Technology, ICAIT 2024 – Proceedings in **November 2024** doi: [10.1109/ICAIT61638.2024.10690431](https://doi.org/10.1109/ICAIT61638.2024.10690431).
- N. Naveen Kumar, Prabhakaran Abraham, Maruthamuthu R, Seshu Kumar P, Naveen Vekkudu, Department of Computer Applications presented a paper titled “optimizing support vector regression using grey wolf optimizer for enhancing energy efficiency and building prototype architecture” in 6th IEEE International Conference on Artificial Intelligence in Engineering and Technology, IICAIET 2024 in **November 2024** doi: [10.1109/IICAIET62352.2024.10729970](https://doi.org/10.1109/IICAIET62352.2024.10729970).
- Saravanan D, Department of EEE presented a paper titled “Design and Implementation of IoT Based Vehicle Emergency Relieve System” in 2024 International Conference on Electrical, Electronics and Computing Technologies, ICEECT 2024 in **December 2024** doi: [10.1109/ICEECT61758.2024.10738964](https://doi.org/10.1109/ICEECT61758.2024.10738964).



Conferences Papers

- Chodagam Srinivas, A. V. Pavan Kumar, Department of EEE presented a paper titled “Data Integrity and Cost Efficiency in Smart Grids: Block-chain Integration Approach” in 2024 1st International Conference on Advanced Computing and Emerging Technologies, ACET 2024 in **December 2024** doi: [10.1109/ACET61898.2024.10730041](https://doi.org/10.1109/ACET61898.2024.10730041).
- V Sai Anusha; R Kiran Kumar; G Charan Kumar, Department of ECE presented a paper titled “Comprehensive Survey on Internet of Medical Things (IoMT) - Applications and Challenges” in 2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024 in **December 2024** doi: [10.1109/ICCCNT61001.2024.10724150](https://doi.org/10.1109/ICCCNT61001.2024.10724150).
- Dhruva Jyoti Bora; O. Haarisah; M. Gomathi; M. Aravind, Department of ECE presented a paper titled “Enhanced Food Image Classification using CNN with Background Removal and Contrast Stretching” in 2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024 in **December 2024** doi: [10.1109/ICCCNT61001.2024.10723961](https://doi.org/10.1109/ICCCNT61001.2024.10723961).
- B. Shyamsundar; R. Venkateswara; H.Pavan Kumar; H. Shree Kumar, Department of ECE presented a paper titled “Developing a fast, energy-efficient carry skip adder with configurable delay extension utilizing the Han Carlson adder” in 2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024 in **December 2024** doi: [10.1109/ICCCNT61001.2024.10724590](https://doi.org/10.1109/ICCCNT61001.2024.10724590).
- K. Sudhakar, Department of CSE presented a paper titled “Enhancing urban IoT temperature sensing accuracy through machine learning-driven dynamic ventilation” in AIP Conference Proceedings in **December 2024** doi: [10.1063/5.0232810](https://doi.org/10.1063/5.0232810).
- Ramakrishna Gandhi, Department of CSE presented a paper titled “Deep Learning based Abstractive text Summarization: A Survey” in 2024 Parul International Conference on Engineering and Technology, PICET 2024 in **December 2024** doi: [10.1109/PICET60765.2024.10716176](https://doi.org/10.1109/PICET60765.2024.10716176).
- S Syed Abuthahir, Department of CSE presented a paper titled “Building a Deep Neural Network for Automated Essay Scoring in English Language Teaching” in 2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024 in **December 2024** doi: [10.1109/ICCCNT61001.2024.10725936](https://doi.org/10.1109/ICCCNT61001.2024.10725936).
- G B Renuka, Department of CSE presented a paper titled “Integrating Reliable AI to Boost Blockchain's Transparency and Accountability” in 2024 1st International Conference on Advanced Computing and Emerging Technologies, ACET 2024 in **December 2024** doi: [10.1109/ACET61898.2024.10730476](https://doi.org/10.1109/ACET61898.2024.10730476).
- N Saikiran, Department of CST presented a paper titled “Automating the Detection of Road Damage via the Use of UAV-Captured Images and the YOLO” in Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024 in **December 2024** doi: [10.1109/ICOSEC61587.2024.10722741](https://doi.org/10.1109/ICOSEC61587.2024.10722741).
- Dasari Ashok, Department of CST presented a paper titled “A Detailed Investigation of Deep Learning and Machine Learning Approaches for Sugarcane Foliage Disorder Identification” in Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024 in **December 2024** doi: [10.1109/ICOSEC61587.2024.10722678](https://doi.org/10.1109/ICOSEC61587.2024.10722678).
- K. Chokkanathan, Department of CSE-AI presented a paper titled “Enhancing IoT healthcare security with verifiable random ranking-based secure blockchain consensus mechanism” in AIP Conference Proceedings in **December 2024** doi: [10.1063/5.0235479](https://doi.org/10.1063/5.0235479).



Conferences Papers

- N. Komal Kumar, B. Sumanth Kumar Reddy; R. Yogendra; N. Poojitha, Department of CSE-DS presented a paper titled “Enhanced Alzheimer's Disease Prediction through Advanced Imaging: A Study of Machine Learning and Deep Learning” in Proceedings of the 5th International Conference on Smart Electronics and Communication, ICOSEC 2024 in **December 2024** doi: [10.1109/ICOSEC61587.2024.10722116](https://doi.org/10.1109/ICOSEC61587.2024.10722116).
- R. Sai Venkata Ramana, Department of CSE-Cyber Security presented a paper titled “Image Classification Using Optimized Convolution Neural Network” in 2024 Parul International Conference on Engineering and Technology, PICET 2024 in **December 2024** doi: [10.1109/PICET60765.2024.10716049](https://doi.org/10.1109/PICET60765.2024.10716049).
- P. Athahar, Department of English & Foreign Languages presented a paper titled “Energy Management System in Language Laboratories: Enhancing Efficiency for Language Faculty in Communication and Soft Skills Training” in E3S Web of Conferences in **December 2024** doi: [10.1051/e3sconf/202459101012](https://doi.org/10.1051/e3sconf/202459101012).

Book Chapters Published

- Subramaneswara, R.A, Department of Computer Science & Technology published a book chapter on “Bio-Inspired Comparison Mechanism toward Intelligent Decision Support System” in Bio-Inspired Computational Paradigms: Security and Privacy in Dynamic Smart Networks in **July 2024** doi: [10.1201/9781003248545-2](https://doi.org/10.1201/9781003248545-2).
- Chokkanathan, K, Department of Computer Science & Engineering- Artificial Intelligence published a book chapter on “Augmented Reality-Enabled IoT Devices for Wireless Communication” in Bio-Inspired Computational Paradigms: Security and Privacy in Dynamic Smart Networks in **July 2024** doi: [10.1201/9781003248545-5](https://doi.org/10.1201/9781003248545-5).
- Naveen Kumar N, Department of Computer Applications; Chokkanathan. K, Department of CSE-AI published a book chapter on “Bio-Inspired Blockchain for Healthcare Workers Insights on Covid-19” in Bio-Inspired Computational Paradigms: Security and Privacy in Dynamic Smart Networks in **July 2024** doi: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85198292218&partnerID=40&md5=827c81ebc54400206d6d314a8f31c857>.
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Book Chapters Published

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- Chokkanathan K, Department of CSE-AI published a book chapter on “Blockchain commerce: Safeguarding transactions in the Age of 6G” in 6G Security Education and Multidisciplinary Implementation in **September 2024** doi: [10.4018/979-8-3693-7421-4.ch010](https://doi.org/10.4018/979-8-3693-7421-4.ch010).
- Sivaraman V, Department of CSE-AI&ML published a book chapter on “Emerging trends in edge AI for Industry 4.0 and 5.0: Technologies, applications, and challenges” in AI Innovations in Service and Tourism Marketing in **September 2024** doi: [10.4018/979-8-3693-7909-7.ch010](https://doi.org/10.4018/979-8-3693-7909-7.ch010).
- Padma Selvaraj, Department of CSE-AI&ML published a book chapter titled “Feature extraction and feature selection in medical images” in Intelligent Computing Techniques in Biomedical Imaging: Methods, Case Studies, and Applications in **October 2024** doi: [10.1016/B978-0-443-15999-2.00008-6](https://doi.org/10.1016/B978-0-443-15999-2.00008-6).
- Lipeeka Rout, Department of Chemistry published a book chapter titled “Carbon Nanotube-Based Polymer Nanocomposites for Aerospace Applications” in Engineering Materials in **October 2024** doi: [10.1007/978-981-97-6329-017](https://doi.org/10.1007/978-981-97-6329-017).
- R. Nidhya, Department of CSE published a book chapter titled “Digital Twin-Enabled Smart Manufacturing: Challenges and Future Directions” in Artificial Intelligence-Enabled Digital Twin for Smart Manufacturing in **November 2024** doi: [10.1002/9781394303601.ch21](https://doi.org/10.1002/9781394303601.ch21).
- Ravi Raju Y, Department of CSE published a book chapter titled “Wearable Devices and Health Monitoring: Big Data and AI for Remote Patient Care” in Intelligent Data Analytics for Bioinformatics and Biomedical Systems in **November 2024** doi: [10.1002/9781394270910.ch12](https://doi.org/10.1002/9781394270910.ch12).
- Ravi Raju Y, Department of CSE published a book chapter titled “Disease Biomarker Discovery with Big Data Analysis” in Intelligent Data Analytics for Bioinformatics and Biomedical Systems in **November 2024** doi: [10.1002/9781394270910.ch13](https://doi.org/10.1002/9781394270910.ch13).

Patents Published

- Priyam Nath Bhowmik, A. V. Pavan Kumar, Sudheerkumar Y, Pradyut Anand, Nakkeeran G, & Manish Sharma, Faculty of MITS published a patent on “Automated Aggregates Impact Testing Machine” in **December 2024**. Patent No: [437594-001](https://patent.gov.in/437594-001).
- Sudheerkumar Y, Priyam Nath Bhowmik, Pradyut Anand, Surya Dev Singh, K. Anitha, Veeresh B., Manish Sharma, Pintu Shah, A. Lahari & M. Bharadwaj, Faculty of MITS published a patent on “Soil Core Sample Collector” in **December 2024**. Patent No: [431535-001](https://patent.gov.in/431535-001).
- S. Kusuma, K. Lokeshwaran, S. Gopala Krishnan & N. Komal Kumar, Faculty of MITS published a patent on “A System and Method for Detecting and Mitigating Vehicle Horn Misuse in Real-Time” in **December 2024**. Patent No: [202441095830](https://patent.gov.in/202441095830).
- K. Anitha, Nakkeeran G, Dipankar Roy & Vyshnavi A. Faculty of MITS published a patent on “Grip-Tite Interlocking Bricks” in **December 2024**. Patent No: [428580-001](https://patent.gov.in/428580-001).
- Nakkeeran G, Dipankar Roy, Faculty of MITS published a patent on “Interlocked Hexagonal Hollow block” in **December 2024**. Patent No: [428578-001](https://patent.gov.in/428578-001).
- Govardhan Naik B., Nakkeeran G, Dipankar Roy & Uday Kiran G, Faculty of MITS published a patent on “Head-Foot Interlocking Paver block” in **December 2024**. Patent No: [427544-001](https://patent.gov.in/427544-001).

NSS Activities/Community Service Programs

- MITS NSS conducted "**Kargil Vijay Diwas**", to pay condolences to the soldiers on **26.07.2024**.
- An awareness program on "**World Organ Donation Day**" was organized by Department of Civil Engineering in collaboration with the NSS Cell, MITS, on **13.08.2024**.
- MITS, in collaboration with the Department of Physical Education and the NSS Cell, organized the "**78th Independence Day Celebrations**" on **15.08.2024**.
- The NSS Cell at MITS organized "**Teacher's Day**" on **05.09.2024**.
- The NSS Cell at MITS collected funds for the **Chief Minister's Relief Fund** from the college community on **12.09.2024**.
- The NSS Cell at MITS organized an awareness program on "**Swachhata hi Seva**" on **25.09.2024**.



- The NSS Cell, MITS, conducted an awareness program titled "**Ek Ped Maa Ke Naam Campaign**" on **15.08.2024**.
- The Department of Physics, in collaboration with the NSS Unit, MITS, organized a two-day event celebrating "**National Space Day**" from **22.08.2024** to **23.08.2024**.
- The NSS Cell celebrated "**NSS Day**" on **25.09.2024**.
- Another awareness program titled "**Swachhata hi Seva**" was conducted by the NSS Cell at MITS on **30.09.2024**.
- **Ektha Diwas (National Unity Day)** was celebrated by the NSS Unit at MITS, to commemorating the birth anniversary of Sardar Vallabhbhai Patel on **31.10.2024**.



- The NSS Cell, MITS, in association with Agarwal Eye Hospital, organized an "**Eye Check-up Campaign**" at MITS College on **30.08.2024**.
- The NSS Unit at MITS observed "**Gandhi Jayanti**", to celebrate the birth anniversary of Mahatma Gandh on **02.10.2024**.



NSS Activities/Community Service Programs

- The NSS unit was organized **“Quami Ekta Week”** to promote communal harmony across the nation from **22.10.2024 to 24.10.2024**.
- The NSS Unit, in collaboration with Dr. Agarwal’s Eye Hospital in Madanapalle, held a **“Free Eye Check-up Camp”** on **29th October 2024**.



- MITS NSS unit organized **“Blood Donation Camp”** in association with NTR Trust Blood Bank, Tirupati and HDFC Bank, Madanapalle on **20.11.2024**.




- The **“1st Annual Clothes Collection Camp”**, was organized by the NSS Unit in association with Department of EEE and MITS (a Section 8 company), ran from **29.10.2024 to 06.11.2024** to collect clothes for distribution to the homeless and those in need.



- The MITS NSS unit, in collaboration with Department of EEE, organized a **“Clothes Donation Camp”** on **27.11.2024**. The clothes were collected from MITS students and donated to Velugu School.





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