



MALINENI LAKSHMAIAH

WOMEN'S ENGINEERING COLLEGE

(AUTONOMOUS)

(Accredited by "NBA" & NAAC A+ Grade | Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)
Pulladigunta (Vil), Vatticherukuru (Md), Prathipadu Road, Guntur – 522 017 A.P.



INTERNAL QUALITY ASSURANCE CELL (IQAC)

ANNUAL REPORT

Academic Year 2025–26

FOREWORD

The Internal Quality Assurance Cell (IQAC) of Malineni Lakshmaiah Women's Engineering College (Autonomous) continued its commitment towards institutional excellence and continuous quality enhancement during the Academic Year 2025–26. The IQAC served as a catalyst in planning, monitoring, and implementing quality initiatives across academic, administrative, research, innovation, extension, and governance domains.

The institution strengthened its commitment to Outcome-Based Education (OBE), research excellence, innovation, entrepreneurship, employability enhancement, and community engagement.

1. INSTITUTIONAL PROFILE

Name of the Institution:

Malineni Lakshmaiah Women's Engineering College (Autonomous)

Location:

Pulladigunta, Vatticherukuru Mandal, Guntur District, Andhra Pradesh

Affiliation:

JNTU Kakinada

Accreditation and Recognition

- UGC Autonomous Institution
- NAAC Accredited with A+ Grade
- NBA Accredited Programs
- ISO 9001:2015 Certified Institution

Principal:

Dr. J. Appa Rao

IQAC Coordinator:

Dr. Chiluka Ramesh

2. VISION

To become a center of excellence in engineering education by nurturing competent women engineers with technical expertise, innovation, leadership qualities, ethical values, and social responsibility.

3. MISSION

- To impart quality technical education.
- To promote research, innovation, and entrepreneurship.
- To strengthen industry-academia interaction.
- To develop employability and leadership skills.
- To inculcate ethical and societal values.

4. IQAC OBJECTIVES

The IQAC aims to:

- Develop and sustain quality benchmarks.
- Promote academic excellence.
- Strengthen OBE implementation.
- Facilitate research and consultancy.
- Improve stakeholder satisfaction.
- Encourage innovation and entrepreneurship.
- Support accreditation and ranking initiatives.

5. IQAC COMPOSITION

The IQAC comprises:

- Principal – Chairperson
- IQAC Coordinator
- Senior Administrative Officers
- Faculty Representatives
- External Academic Experts
- Industry Representatives
- Alumni Representatives
- Employer Representatives
- Student Representatives
- Management Representative

The composition ensures participation of all stakeholders in quality assurance activities.

6. IQAC MEETINGS AND QUALITY ASSURANCE ACTIVITIES

IQAC conducted periodic meetings to review:

- Academic performance
- OBE attainment
- Research and innovation activities
- Placement performance
- Student feedback analysis
- Infrastructure development
- Accreditation compliance

Action Taken Reports were prepared and monitored regularly.

7. TEACHING–LEARNING AND ACADEMIC EXCELLENCE

The institution continued adopting innovative teaching methodologies.

Student-Centric Practices:

- Experiential Learning
- Project-Based Learning
- Participative Learning
- Problem-Based Learning
- Peer Learning
- Flipped Classroom Practices
- Technical Seminars
- Industrial Visits

ICT Enabled Teaching:

- Smart Classrooms
- Google Classroom
- LMS Platforms
- NPTEL Courses
- Virtual Laboratories
- Digital Content Repository

Academic Improvements:

- Enhanced Course Outcome Attainment
- Improved Student Performance
- Effective Mentoring System
- Strengthened Continuous Internal Evaluation

8. OUTCOME BASED EDUCATION

The institution strengthened OBE implementation through:

- CO-PO-PSO Mapping
- Direct and Indirect Assessment
- Course End Surveys
- Graduate Exit Surveys
- Program Assessment Committee Reviews

Achievements:

- Improved CO Attainment Levels
- Enhanced Program Outcome Achievement
- Better Student Learning Outcomes

9. RESEARCH, INNOVATION AND DEVELOPMENT

Research and innovation activities showed substantial growth.

Research Achievements:

Particulars	2025–26
Research Publications	20
Scopus Indexed Papers	10
Books/Book Chapters	13
Patents Filed	8
Patents Published	6
Research Scholars Registered	2
Faculty Pursuing Ph.D.	4

Research Promotion Activities:

- FDPs on Research Methodology
- IPR Awareness Programs
- Patent Drafting Workshops
- Research Proposal Writing Workshops
- Innovation and Startup Seminars

10. ENTREPRENEURSHIP AND STARTUP ECO SYSTEM

The Institution Innovation Council (IIC) and Entrepreneurship Development Cell actively promoted entrepreneurial culture.

Major Activities

- Startup Awareness Campaigns
- Ideathons
- Hackathons
- Prototype Development Workshops
- Design Thinking Sessions
- Business Plan Competitions

Outcomes

- Student Start-up Teams Formed
- Innovative Prototypes Developed
- Increased Participation in Innovation Competitions

11. STUDENT SUPPORT AND WELFARE

Scholarships:

Category	Beneficiaries
Government Scholarships	1850
Institutional Scholarships	125

Student Support Programs

- Career Guidance
- Competitive Examination Coaching
- Soft Skills Training
- Communication Skills Development
- ICT Skill Enhancement

Beneficiaries

More than 1250 students benefited through various student support initiatives.

12. TRAINING, PLACEMENTS AND HIGHER EDUCATION

Placement Performance

Particulars	Count
Students Placed	260
Placement Percentage	88%
Highest Package	₹4 LPA
Average Package	₹3.5 LPA

Recruiters

- TCS

- Infosys
- Accenture
- Cognizant
- Wipro
- Capgemini
- HCL
- Tech Mahindra

Higher Education

Students pursuing Higher Education: 12

Competitive Examinations

Students qualifying in GATE, GRE, CAT and Government Examinations: 12

13. INDUSTRY–INSTITUTE INTERACTION

The institution enhanced industry engagement through:

Activities

- Internships
- Guest Lectures
- Faculty Internships
- Industry Certifications
- Industrial Visits
- Collaborative Projects

Statistics

Particulars	Count
Functional MoUs	9
Collaborative Activities	10
Internships Completed	10
Industry Experts Invited	15

14. EXTENSION ACTIVITIES AND COMMUNITY ENGAGEMENT

The NSS Unit organized various community service activities.

Activities Conducted

- Swachh Bharat Abhiyan
- Blood Donation Camps
- Tree Plantation Drives

- Women Empowerment Programs
- Health Awareness Programs
- Village Adoption Activities
- Environmental Awareness Campaigns

Statistics

Particulars	Count
Extension Activities	35
Student Participants	900
Awards/Recognitions	12

15. INFRASTRUCTURE DEVELOPMENT

The institution continuously upgraded physical infrastructure.

Facilities

- Classrooms : 36
- Seminar Halls : 4
- Laboratories : 60
- ICT Enabled Classrooms : 45

16. LIBRARY AND LEARNING RESOURCES

The Central Library remains a major knowledge resource center.

Resources

- KOHA Library Automation
- DELNET
- National Digital Library
- J-Gate
- NPTEL
- E-Books and E-Journals

Statistics

Particulars	Value
Daily Footfall	220
E-Journals Access	2500+
Expenditure on Books & Journals	₹8 Lakhs

17. IT INFRASTRUCTURE

The institution upgraded its digital infrastructure.

Highlights

- Total Computers : 750
- Internet Bandwidth : 1 Gbps
- Campus-wide Wi-Fi
- Smart Classrooms
- CCTV Surveillance System
- Cloud-Based Academic Management

The enhanced IT ecosystem supported teaching-learning, research, and administrative efficiency.

18. BEST PRACTICES

Best Practice – I

Industry-Oriented Employability Enhancement Program

Activities:

- Placement Training
- Industry Certifications
- Mock Interviews
- Technical Skill Development

Outcome:

Improved employability and placement performance.

Best Practice – II

Innovation and Entrepreneurship Development for Women Engineers

Activities:

- Innovation Challenges
- Startup Awareness Programs
- Ideathons
- Hackathons

Outcome:

Promotion of creativity, innovation, and entrepreneurial mindset.

19. INSTITUTIONAL DISTINCTIVENESS

The institution distinguishes itself through its commitment to women empowerment, quality education, innovation, entrepreneurship, ethical values, and societal engagement.

The annual national-level techno-cultural festival “Samskruthi 2026” provided a platform for students to showcase technical, managerial, cultural, and leadership skills.

20. FUTURE PLAN OF ACTION (2026–27)

IQAC proposes to:


1. Increase research publications in high-impact journals.
2. Strengthen patent filing and commercialization.
3. Enhance consultancy and funded research projects.
4. Improve NIRF ranking performance.
5. Establish additional Centers of Excellence.
6. Expand international collaborations.
7. Strengthen alumni networking.
8. Improve placement opportunities.
9. Promote interdisciplinary research.
10. Enhance startup incubation activities.

CONCLUSION

The Academic Year 2025–26 marked another successful year of quality enhancement and institutional development. Through continuous monitoring, stakeholder participation, and strategic planning, the IQAC successfully strengthened academic excellence, research culture, innovation ecosystem, infrastructure, student support, and societal engagement.

The institution remains committed to achieving greater heights of excellence in engineering education and women empowerment.


IQAC Coordinator
IQAC
MALINENI LAKSHMAIAH
WOMEN'S ENGINEERING COLLEGE
PULLADIGUNTA, GUNTUR-522017


Principal
PRINCIPAL
MALINENI LAKSHMAIAH
WOMEN'S ENGINEERING COLLEGE
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Faculty Publications:

[1] P. Sreenivasa Rao et al., "Improvement of Quantum Efficiency and Photon Absorption from Electromagnetic Waves: Amorphous Silicon Thin Film Solar Cell," *Journal of Environmental Nanotechnology*, vol. 14, no. 2, pp. 178–181, 2025.

[2] P. Sreenivasa Rao et al., "Influence of Distributed Bragg Reflectors for Enhanced Light Trapping in Amorphous Silicon Thin-Film Solar Cells Using RCWA Method," *Journal of Environmental Nanotechnology*, vol. 14, no. 3, pp. 163–168, 2025.

[3] Sunitha Kandepu et al., "Improved Multiple Disease Detection Using Modified ANFIS and K-Mode Clustering," 2025 Global Conference in Emerging Technology (GINOTECH), Pune, India, 2025, pp. 1–6.

[4] Vijaya Saradhi Dommeti et al., "Real-Time Monitoring and Assessment System in Continuous Monitoring of System Workloads and Performance Using SoC Architectures," *Metallurgical and Materials Engineering*, May 2025, pp. 834–845.

[5] Vijaya Saradhi Dommeti and S. Katragadda et al., "An Efficient Quantum Blockchain Framework With Edge Computing,"

Patents

S.No	Title of the Patent	Applicant's Name & Inventors' Name	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Filed/Published/Granted/Licensed
1	An Effective recommended solution over post-COVID risk prediction using a hybrid model	Dr. D. Ravikiran, Surendra Babu, K. Nagabrahma Chari, Bharathi K., A. Chandra Sekar, S. Kalpana, I. Phani Kumar	13-06-2025	202541052871A	Published
2	Smart tiny RO Tap system for monitoring water TDS, and reducing maintenance costs	Dr. D. Ravikiran, K. Nagabrahma Chari, S. Kalpana, Bharathi K	26-09-2025	202541081880A	Published
3	Smart Trolleys for Retail Stores and Avoid Conventional Queues	A. Chandra Sekar, A. Surendra Babu, I. Phani Kumar	06-09-2025	202541083811A	Published

Research Projects

S.No	Project Proposal	Division	Scheme	Name of the PI	Budget	Date of Sanction	Status
1	Artificial Intelligence And Deep Learning	E&ICT Hub Warangal E&ICT IIITDM, Kurnool	FDP	Dr. P. Ramesh Babu	1.70 L	19-6-2025	SANCTIONED
2	Wearable AI-Powered Food Allergen Detector: A revolutionary tool for real time food safety - IDEAAP019233	MSME	INCUBATION SCHEME	Dr. K. Gouthami (In-charge-HI/BI)	15.0 L	27-6-2025	SANCTIONED
3	Transforming in utilized spaces like terrace into flourished gardens - IDEAAP02902	MSME	INCUBATION SCHEME	Dr. K. Gouthami	15.0 L	27-6-2025	SANCTIONED
4	Robust Agro tech frame work for Chilli Quality Assessment and hygienic drying using lifelong Machine Learning BT/AIR02113/PACE34/25 BT/TEMP 11422/PACE34/25	PACE	BIRAC	Dr. K. Gouthami	30.0 L	30-5-2025	In Progress

MSME IDEA HACKATHON 5.0



Institutional Achievements

Malineni Lakshmaiah Women's Engineering College is delighted to share that we have been honored with multiple prestigious recognitions at the AICTE–Eduskills Connect 2025 event.

- All India 8th Rank (Engineering Category) – Internship Performance 2025
- Best Performing Engineering Institute – Internships 2025
- Placement Officer Excellence (TPO) Award
- Best Centre of Excellence Coordinator Award (Microchip)
- Best Internship Performance – ZScaler Internship
- Best Internship Performance – Wadhvani Foundation Internship
- Award for Maintaining Good Centre of Excellence with Microchip



- Malineni Lakshmaiah Women's Engineering College is honored to be chosen as a Nodal Centre for AVISHKANDHRA – One Family, One Entrepreneur, a flagship initiative of the Government of Andhra Pradesh through the Andhra Pradesh Innovation Society (APIS) in association with RTIH



Student Achievements:

- We are delighted to announce that our talented students have entered the FINALS of IEEE YESIST12-2025 under the Innovation Challenge Track (Direct Entry). They represented MLWEC at the prestigious IEEE Student Branch, University Kebangsaan Malaysia (UKM)



- Heartiest congratulations to the IV ECE students on successfully achieving the prestigious ServiceNow Certified Application Developer Global Certification, a remarkable milestone reflecting their dedication, technical expertise, and commitment to excellence.



- Heartiest congratulations to our Throw Ball team for securing First Place and winning a cash prize of ₹10,000/- at the RVR Tech Fest held on 30th December 2025. This remarkable achievement reflects the team's dedication, coordination, and outstanding sportsmanship.



- We are proud to announce that 8 students from the 2025–26 batch have been successfully selected by Technoparinsoft on 29th December 2025, securing attractive salary packages ranging from ₹3.5 LPA to ₹5 LPA. This achievement reflects the students' dedication, skills, and the institution's commitment to excellence in career development and placements.

- The Department of ECE is happy to share that 32 final-year students have been placed in TVS Motor Company, a reputed core company. The students will undergo a four-month internship with a stipend of ₹14,000 per month and will receive a placement offer of ₹3 LPA after successful onboarding. Congratulations to all the placed students on this achievement.
- Hearty congratulations to our brilliant tech stars as 20 students from the 2025–26 batch have been successfully selected in Infosys with an annual package of 3.6 LPA. This achievement reflects the students' dedication, technical skills, and consistent efforts towards building successful careers in the IT industry.
- Hearty congratulations to 68 students from the 2025–26 batch on their successful selection in Stats Perform with an annual package of 3.0 LPA. This remarkable achievement showcases the students' talent, perseverance, and commitment towards achieving excellence in their career journey.

Student Research Papers

- III ECE Students – Sk. Khathoon Juveriya & Team

Paper titled “IoT-Enabled Low-Cost Air Quality Monitoring System Using MQ and PM Sensors”
Selected for IEEE 7th ICCMLA, Germany

Guided by Dr. B. Prudhvi Nath, Associate Professor, ECE.

- IV ECE Students – K. Padmavathi & Team

Paper titled “Design and Analysis of a Power-Efficient 4-Bit ALU with XNOR Logic for Enhanced Performance”

Accepted at IEEE 2nd ICRTEECT, Vaagdevi Engineering College, Warangal

Guided by Mr. T. Venkata Rao, Assistant Professor, ECE.

ACTIVITIES

MEGA JOB MELA – INAUGURATION CEREMONY

- A remarkable day at Malineni Lakshmaiah Women’s Engineering College (Autonomous), Pulladigunta, Guntur, as we proudly hosted the inauguration of the Mega Job Mela on 9th May 2025, organized by the Andhra Pradesh State Skill Development Corporation (APSSDC), Guntur District.



SANKALP – Drug Abuse Awareness Program

- The “Sankalp” awareness program against drug abuse was successfully conducted for students on 30th December, promoting a strong message of leading a healthy, responsible, and drug-free life.



Celebration of 5 Years of byteXL–MLWEC Partnership in Transforming Education

- byteXL and Malineni Lakshmaiah Women’s Engineering College (MLWEC) celebrated 5 years of successful partnership in transforming education on 26-05-2025, recognizing their collaborative efforts in providing quality training and Campus Recruitment Training (CRT) to enhance students’ skills, employability, and career opportunities.



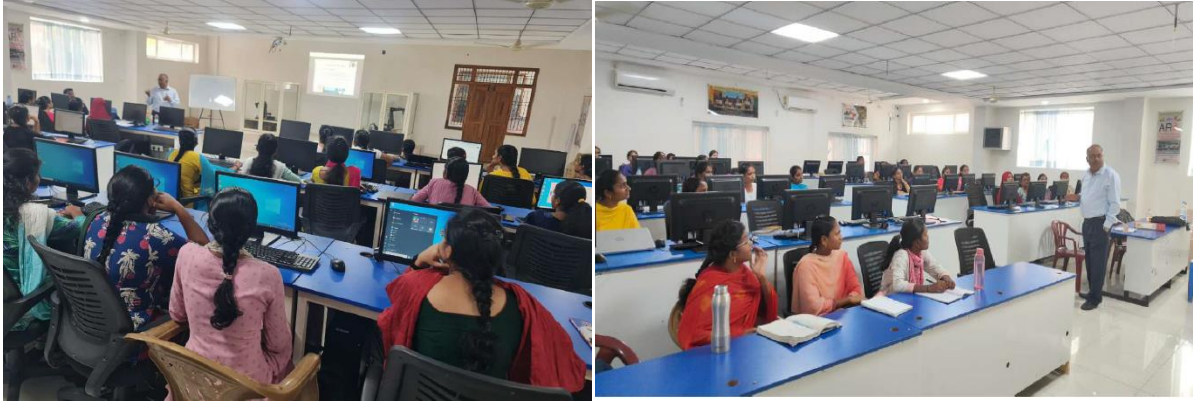
Swachhata Hi Seva – Cleanliness Awareness & Community Service Program

- As part of the Pre-Independence Day Programme on “Swachhata Hi Seva,” our institution proudly contributed dustbins to Kornepadu High School and created awareness among school children on the importance of cleanliness, hygiene, and community responsibility on 04-08-2025.



SEED AP Training Session by Sri Nag Rameshwar, CEO of Cematrix

- A SEED AP Training Session was successfully conducted by Sri Nag Rameshwar, CEO of Cematrix, on 20 June 2025, providing students with valuable insights into innovation, entrepreneurship, and emerging industry opportunities to enhance their professional growth and technical skills.



International Yoga Day Celebrations

- The International Yoga Day celebrations were conducted on 21st June under the NSS units, promoting the importance of yoga for physical and mental well-being. Ms. Swapna Kandimalla, Aerobic Trainer, served as the Resource Person and inspired students to adopt a healthy and balanced lifestyle through regular yoga practice.



Sri Alluri Sitarama Raju Birth Anniversary Celebrations

- Sri Alluri Sitarama Raju Birth Anniversary Celebrations were solemnly observed on 04-07-2025, honoring the legendary freedom fighter's courage, patriotism, and invaluable contribution to India's independence movement.



I B.Tech Inaugural & Induction Programme

- The I B.Tech Inaugural and Induction Programme was successfully conducted on 06-08-2025 with Mrs. B. Raja Kumari, IPS, Mangalagiri, as the Chief Guest. She motivated the students with her inspiring address, emphasizing discipline, dedication, and the importance of building a strong foundation for a successful academic and professional journey.



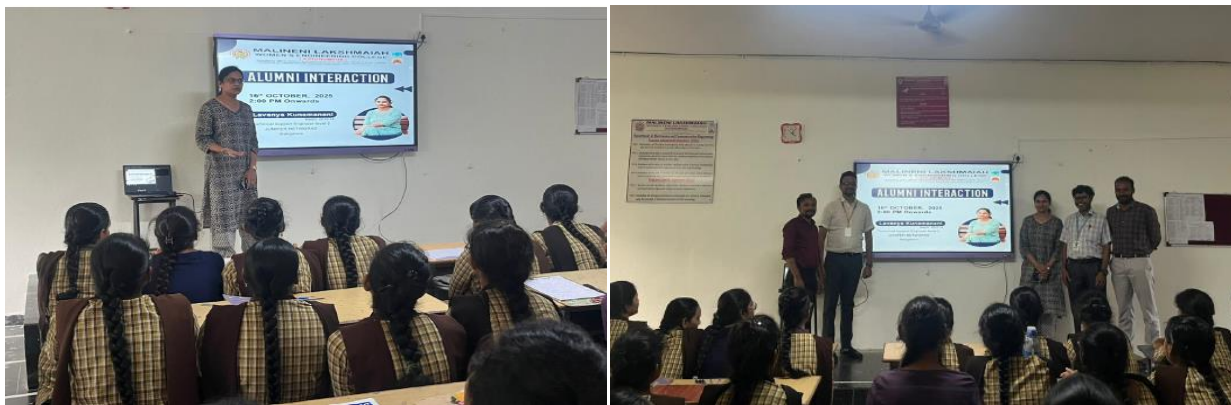
CPR Awareness & Training Drive by NSS Unit

- A CPR Awareness and Training Drive was organized through the NSS Unit on 13th October 2025 to educate students on the importance of Cardiopulmonary Resuscitation (CPR) and emergency response techniques. The programme provided hands-on awareness about life-saving skills, emphasizing the importance of timely action during medical emergencies and promoting social responsibility among students.



Inspiring Alumni Talk 2025

- An Alumni Interaction session was conducted on 16th October 2025 with Ms. Lavanya Kunamaneni (Batch 2010–14), Technical Support Engineer – Level 2 at Juniper Networks, Bangalore, who shared valuable insights on career opportunities, industry expectations, and professional growth in the IT sector.



Plantation Programme by I B.Tech Students through NSS Unit

- The NSS Unit organized a Plantation Programme on 16th October 2025, in which I B.Tech students actively participated by planting saplings to promote environmental awareness and campus greenery. The programme encouraged students to contribute towards environmental conservation and social responsibility.



Grand Diwali Celebrations Held on Campus

- The campus celebrated Diwali with great joy and enthusiasm, bringing together students, faculty, and staff in a vibrant festive atmosphere. The celebrations featured colorful decorations, traditional attire, cultural performances, and the lighting of diyas, symbolizing unity, happiness, and the triumph of light over darkness. The event promoted cultural values, togetherness, and festive spirit among the students and the entire college community.



MoU Exchange with CII Dx-EDGE at Andhra University

- Our Director, Dr. K. Venkateswara Rao, exchanged a Memorandum of Understanding (MoU) with CII Dx-EDGE on behalf of the college during an event held at Andhra University on 14th November 2025. The collaboration aims to strengthen industry-academia interaction and promote skill development, innovation, and digital transformation opportunities for students and faculty members.



36-Hour Hackathon on IoT with LoRa and Agentic AI Organized by ECE Department

- The Department of ECE successfully organized a 36-hour Hackathon on IoT with LoRa and Agentic AI on 20th December 2025, providing students with an excellent platform to showcase their innovation, technical skills, and problem-solving abilities. The event encouraged participants to develop creative real-time solutions using emerging technologies and promoted teamwork, research, and hands-on learning among the students.



PM SHRI ZPHS School Students Explore ECE Laboratories under Vocational Education Programme

- Students and faculty members from PM SHRI ZPHS School visited the Department of ECE on 28th November 2025 as part of the Vocational Education Trade programme and explored various laboratories in the department. The visit provided the students with practical exposure to emerging technologies, electronic equipment, and hands-on learning experiences, creating awareness about technical education and career opportunities in the field of Electronics and Communication Engineering.



Five-Day Boot Camp on Smart IoT Systems Organized by Department of ECE

- The Department of ECE successfully organized a five-day Boot Camp on Smart IoT Systems from 15th December 2025 to 19th December 2025, providing students with valuable hands-on training and practical knowledge in emerging IoT technologies. The programme enhanced students' technical skills, innovation, and understanding of smart system applications through interactive sessions, demonstrations, and project-based learning activities.



Semi-Christmas Celebrations Held with Festive Spirit on Campus

- Semi-Christmas Celebrations were held on 19th December 2025 with great joy and festive spirit on the campus. Students and faculty members enthusiastically participated in the celebrations, which featured cultural activities, music, decorations, and the sharing of festive greetings. The event spread happiness, unity, and the message of peace and goodwill among the college community.



Five-Day Bootcamp on Cyber Security with Agentic AI Organized Successfully

- A Five-Day Bootcamp on Cyber Security with Agentic AI was successfully conducted from 18th December 2025 to 22nd December 2025, providing students with valuable knowledge and hands-on experience in emerging cybersecurity technologies and AI-driven security solutions. The programme enhanced students’ technical skills, awareness of cyber threats, and understanding of intelligent security systems through interactive sessions and practical learning activities.



Trailblazers 2025 – Elite Academic Closure Ceremony of First Autonomous PG Batch

- Trailblazers 2025, the Elite Academic Closure Ceremony of the first autonomous PG batch comprising M.Tech, MBA, and MCA programmes, was held on 05th December 2025 with great pride and enthusiasm. The event marked a significant milestone in the institution’s academic journey, celebrating the achievements, dedication, and successful completion of the students’ academic programme while inspiring them for future professional endeavors.

