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DEPARTMENT OF MECHATRONICS ENGINEERING

NEWS LETTER

As the HOD,

It gives me immense pleasure to introduce the latest edition of our departmental newsletter, a vibrant reflection of the academic spirit, innovation, and community engagement that define the **Mechatronics Engineering Department** at Jyothi Engineering College. This semester has been a testament to our unwavering pursuit of excellence. From impactful technical sessions to dynamic student-led initiatives and industry collaborations, our department continues to thrive as a hub of creativity and applied learning. Our faculty's dedication, coupled with the enthusiasm of our students, has fostered an environment where ideas flourish and skills are honed for the future. I extend my sincere appreciation to our faculty, staff, and students for their tireless efforts and to the editorial team for capturing these milestones with clarity and pride. As we turn each page, may this newsletter serve not only as a record of accomplishments but also as an inspiration to aim higher and innovate further. Together, let us continue to build a future where engineering meets purpose, and learning leads to transformation.



DR. ANAND KRISHNAN N

HEAD OF THE DEPARTMENT

VISSION

Create eminent and ethical leaders committed to their profession and society in the field of Mechatronics through quality professional education to excel in industrial automation and innovation.

MISSION

- To impart orientation and to meet the challenges of the modern industry and provide motivation for research.
- To provide quality education to create graduates with professional and social commitment.



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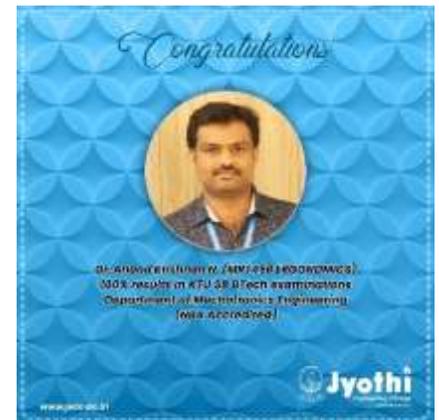
Brief Note : -

Mechatronics engineering is a collaborative amalgamation of the various fields of engineering. Thus forming an interdisciplinary branch of engineering that focuses on the engineering of electronic, electrical, computer and mechanical engineering systems and also includes a combination of robotics, telecommunications, systems, control and product engineering.

Departmental Activities

100% Success in S8: Dr. Anand Krishnan N. Leads with Excellence

Heartfelt congratulations to Dr. Anand Krishnan N., Associate Professor and Head of the Mechatronics Engineering Department (NBA Accredited), for achieving 100% results in the KTU S8 B.Tech examinations for the course MRT456 – Ergonomics. This outstanding academic performance reflects his dedication to quality teaching and the department’s commitment to student success. A proud moment for Jyothi Engineering College!



FDP Grant Secured for Smart Manufacturing Research



Congratulations to Dr. Anand Krishnan N. (Mechatronics Engineering Department) and Mr. Nice Menachery (Mechanical Engineering Department) of Jyothi Engineering College for securing an FDP Grant of ₹1.7 Lakhs from the Electronics & ICT Academy, NIT Warangal, in collaboration with IIITDM Kurnool. Their funded project, titled “Advances in Additive Manufacturing: Integrating Artificial Intelligence and Machine Learning for Smart Manufacturing,” aims to explore cutting-edge technologies that redefine industrial innovation. This achievement marks a significant step forward in interdisciplinary research and academic excellence.



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Future-Ready Minds: AI-Focused Session Empowers Mechatronics Students

On 25 July 2025, the Mechatronics Engineering Department at Jyothi Engineering College hosted an insightful session titled “Empowering Engineering Education for the AI-Driven Future” for MR students. The talk was delivered by Mr. Anup Divakaran, Inside Sales Manager at DigiToad Technologies, Bangalore, at Decennial Hall. The session explored the transformative role of Artificial Intelligence in reshaping engineering education, emphasizing industry expectations, emerging technologies, and the skills needed to thrive in a tech-driven world. Students gained valuable perspectives on aligning their learning with future innovation.



Internship in Industrial Automation for s7 MRE students



The S7 Mechatronics Engineering (MRE) students of Jyothi Engineering College have commenced a two-week internship (28/07/2025 – 08/08/2025) on Industrial Automation at the Bosch Rexroth Centre of Competence in Automation and Technology, Government Polytechnic College, Kalamassery. This intensive training program provides students with hands-on experience in PLC programming, industrial robotics, motion control, and smart automation technologies. The internship aims to equip students with industry-relevant skills, preparing them for careers in modern automation and manufacturing sectors.



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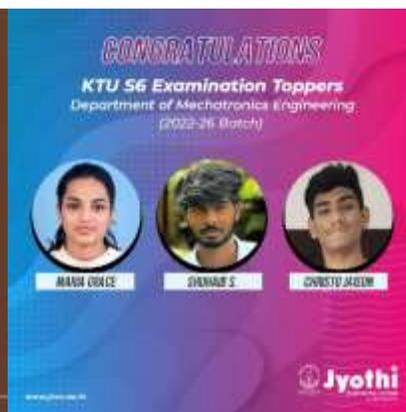
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2020–24 MRE Graduates Inspire S5 Students.

The Mechatronics Engineering Department at Jyothi Engineering College hosted a vibrant Alumni Talk featuring Sarath M, Cheru Ashish Joy, and Nandhakishor A from the 2020–2024 batch. Held exclusively for S5 students, the session offered a valuable platform for sharing real-world experiences, career insights, and personal growth stories. The alumni reflected on their academic journey, placement preparation, and transition into professional life, encouraging current students to embrace challenges and stay future-focused. Their engaging interaction fostered mentorship, motivation, and a strong sense of departmental pride.



Student Achievements





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MESA Inauguration Sparks Dialogue on Industrial Automation

The Mechatronics Engineering Students Association (M.E.S.A.) at Jyothi Engineering College was officially inaugurated on 18 September 2025 at Decennial Hall, marking a milestone in student-led technical engagement. The event featured a thought-provoking talk on “Process Automation for Industrial Applications” by Er. Shoji Issac, Lead Instrumentation & Control System Engineer. His session highlighted the power of integrating mechanics, electronics, and informatics to drive innovation in industrial systems. With enthusiastic participation from students and faculty, the inauguration set the tone for a year of collaborative learning and cutting-edge exploration.



PTA Meeting Fosters Stronger Academic Partnerships



The PTA meeting for the S3, S5, S7 Mechatronics Engineering Department at Jyothi Engineering College was successfully held on 27 September 2025 at EAB304. Faculty members and parents came together for a meaningful exchange focused on student performance, academic progress, and departmental initiatives. Discussions highlighted semester results, placement readiness, and upcoming technical events, while parents shared valuable feedback and suggestions. The session reinforced the department’s commitment to transparency, collaboration, and student-centered growth.

MoU Activity with Unique World Robotics: Inspiring Talk on Student Project Mentorship

As part of the ongoing MoU collaboration between Jyothi Engineering College and Unique World Robotics, a focused session on “Mentoring for Student Projects” was conducted on 4 October 2025 at Jyothi Engineering college, Cheruthuruthy. The talk aimed to empower students with strategies for ideation, innovation, and execution of impactful engineering projects. The session emphasized: Identifying real-world problems and converting them into viable project ideas, leveraging creativity, teamwork, and technical skills for effective solutions, building mentor-mentee relationships to guide





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project development, Aligning student projects with industry trends and emerging technologies. With engaging visuals and interactive discussion, the event reinforced the importance of structured mentorship in fostering innovation and preparing students for future challenges in robotics and automation.

Faculty Excellence in S6 University Exams: 100% Results Achieved

The Mechatronics Engineering Department at Jyothi Engineering College proudly celebrates the academic achievement of Ms. Shamin Elizabeth Varkey and Ms. Nyni K. A., who secured 100% results in the KTU S6 University Examination for the 2022–2026 MRE batch. Ms. Shamin Elizabeth Varkey – MRT302: Robotics & Automation, Ms. Nyni K. A. – MRT322: Biomedical Instrumentation. Their dedication to teaching and commitment to student success reflect the department’s high standards and its focus on delivering impactful, industry-relevant education. Congratulations to both faculty members for this outstanding accomplishment!



Placement Spotlight: Aadhish P. S. Joins TEAL with ₹5 LPA Package

Congratulations to Aadhish P. S. from the 2022–2026 Mechatronics batch for securing placement as a Graduate Engineer Trainee at Titan Engineering & Automation Ltd. (TEAL), a TATA Enterprise, with an impressive package of ₹5 Lakhs Per Annum. This achievement reflects his dedication and the department’s commitment to nurturing industry-ready talent. The Mechatronics family celebrates this milestone with pride and wishes Aadhish continued success in his professional journey.



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Mechatronics Engineering Department Conducts Successful Advisory Meeting



The first Advisory Committee Meeting of the Mechatronics Engineering Department at Jyothi Engineering College was held on 13 November 2025 (Thursday) at 2:00 PM in the Board Room. The meeting was convened to discuss several important concerns including NBA updates, curriculum revisions, departmental progress, assessment of the previous semester, and any other relevant matters. The session was chaired by Dr. Anand Krishnan N, Head of the Department of Mechatronics Engineering. The committee brought together a diverse group of stakeholders including Dr. Prajoon P, Associate Professor, Department of ECE; Er. Girish K P, Assistant

Executive Engineer, KSEB (Industrialist); Dr. Basil Kuriachen, Associate Professor, NITC (External Academician); Dr. Vivek Lukose, Associate Professor, Department of Mechatronics Engineering; Ms. Nyni K A, Assistant Professor, Department of Mechatronics Engineering; Mr. Vinod M V, parent representative (Father of Indrajith, 2024–28 batch); and Albin Antony, alumni representative from the 2020–24 MRE batch. The meeting provided a platform for constructive dialogue between faculty, industry, alumni, and parents, ensuring that the department’s academic and developmental strategies remain aligned with both institutional goals and industry expectations. The collective insights shared during the session will serve as a roadmap for strengthening the department’s academic excellence and fostering innovation in Mechatronics education.

Curriculum Revamp: BoS Meeting Charts Future-Ready Path for Mechatronics

The Board of Studies (BoS) Meeting for the Department of Mechatronics Engineering was held on 14 November 2025 at the IQAC Conference Hall, Jyothi Engineering College. Chaired by Dr. Anand Krishnan N., the session brought together distinguished academicians, industry experts, and alumni to review and approve the 2026 curriculum. Key decisions included restructuring foundational courses, introducing project-based learning,



and aligning electives with emerging technologies like Mobile Robotics, Machine Vision, and Virtual Instrumentation. The board emphasized continuous evaluation, industry-linked certifications, and ethical integration in automation subjects. The meeting concluded with a shared commitment to nurturing innovation, relevance, and excellence in Mechatronics education.



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Best Paper Triumph at CISCON 2025: Mechatronics Team Shines

The Department of Mechatronics Engineering at Jyothi Engineering College proudly celebrates the outstanding achievement of its faculty and students who won the Track-wise Best Paper Award at the prestigious XXII Control Instrumentation Systems Conference (CISCON) 2025, held on August 01–02, 2025 at Manipal Institute of Technology, Karnataka. The award-winning paper titled “Teleoperated Soft Vine Growing Robot” (Paper ID 438) was co-authored by Ms. Grace Maria George, Mr. Sudheesh Devadas, Mr. Amal Krishna, Mr. Jain Varghese, Ms. Athira P. Preman, Mr. Sibin Johny, and Dr. Karthik Chandran. The conference was technically co-sponsored by the IEEE Bangalore Section, adding further prestige to this recognition. This accolade reflects the department’s commitment to cutting-edge research and interdisciplinary innovation in robotics and automation.



Certified Excellence: MRE Students Shine with NPTEL/MOOC Achievements

The Department of Mechatronics Engineering at Jyothi Engineering College proudly congratulates students from the 2023–2027 batch for successfully earning NPTEL/MOOC certifications in key technical domains. Demonstrating initiative and academic rigor, students like **Anagha C**, **Neha U**, **Vrinda Mohandas**, **Akash N M**, **Belvin Eldho**, **Iwin Joy**, and **Jibin Shaji** excelled in **Robotics**, while **Muhammed Muhsin S** and **Aadithya B Ajaykrishna** completed certifications in **Automation in Production Systems and Management**. These achievements reflect the department’s commitment to continuous learning and industry-aligned skill development, empowering students to stay ahead in the evolving landscape of Mechatronics and automation.



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Mechatronics Engineering (2023-2027 Batch)

**MECHATRONICS ENGINEERING IS THE FUTURE OF ENGINEERING.
BE A PART OF IT AND BE THE COMPLETE ENGINEER OF TOMORROW**