

# Jyothi Engineering College

Reaccredited with NAAC (Grade A) and NBA Programmes\*

Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE AND TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O., CHERUTHURUTHY, THRISSUR, 679531 | Ph. +91 4884 259000 | info@jecc.ac.in | www.jecc.ac.in



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## DEPARTMENT OF MECHATRONICS ENGINEERING

### NEWS LETTER

As the HOD,

Endeavors to the editorial team for bringing out the News Letter. The department has consistently maintained an exemplary academic record in Undergraduate programs. Department presents this course backed up with stellar teaching performance and high-end laboratories. The semester was full-fledged with co-curricular and extracurricular activities which helped in exposing student talents. In all courses, the Department has built an excellent reputation for its graduates in terms of placements. I would like to thank all my colleagues for their tireless efforts to help the department progress at a very steady pace.



**Dr. Anooa Jose Chittilappilly**  
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

### Mechatronics Engineering Department Hosts Insightful Seminar on "Design Thinking" Led by MESA

Under the dynamic leadership of the Mechatronics Engineering Students Association (MESA), a seminar was conducted at Jyothi Engineering College on Tuesday, September 19, 2023, at 1:20 PM in the seminar hall. Dr. Anoop Jose Chittilappilly, the Head of the Mechatronics Engineering Department, extended a warm welcome to all attendees, including S3, S5, and S7 students.



The seminar, focused on the theme of "Design Thinking," addressed the upcoming "NASA Space Apps Challenge," which will be hosted at Jyothi

Engineering College. This prestigious hackathon, organized by NASA in collaboration with various space agencies, encourages student participation. Mr. Anu Karthik, Country Head (India), Unique World Robotics, led the classes alongside Mr. Abhijith S, Senior Robotics Engineer, providing valuable insights during the seminar to equip students with the skills needed to tackle challenges posed by NASA.





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The session not only clarified students' doubts regarding the upcoming hackathon but also emphasized the importance of design thinking in overcoming complex challenges. Mr. Jinesh K. J., Assistant Professor in the Mechatronics department and Manager of the Innovation & Entrepreneurship cell, expressed a heartfelt vote of thanks, acknowledging the insightful contributions of Mr. Anu Karthik and Mr. Abhijith S, and encouraging students to actively participate in the NASA Space Apps Challenge. The seminar proved to be a valuable platform for students to enhance their problem-solving skills and foster innovation in the field of mechatronics.



## Mechatronics Engineering Department Marks World Stands Day with Inspiring Event

In a collaborative effort aimed at raising awareness about World Stands Day, Jyothi Engineering College, in association with the Mechatronics Engineering Department, Institute of Engineers (IEI), and Mechatronics Engineering Students' Association (MESA), organized a compelling event on October 20, 2023. The Insight Hall at Jyothi Engineering College served as the venue for this noteworthy occasion, which commenced at 11:00 AM.

Dr. Pavan Madhusudan, a distinguished consultant pediatrician at the Government General Hospital in Thrissur, inaugurated the program. His presence added a valuable perspective on the intersection of engineering and healthcare. Dr. Madhusudan highlighted the crucial role of collaborative initiatives between educational institutions and healthcare professionals in addressing societal challenges.

The Mechatronics Engineering Department took center stage, showcasing innovative projects that demonstrated the potential of engineering solutions in healthcare. The event facilitated interactive discussions and networking opportunities, emphasizing the vital link between engineering advancements and societal well-being. The Institute of Engineers (IEI) and MESA contributed significantly to the success of the event, fostering an environment of knowledge exchange and interdisciplinary collaboration. The celebration of World Stands Day at Jyothi Engineering College not only emphasized academic excellence but also exemplified the institution's commitment to fostering a holistic approach to education and societal betterment.

## Insightful Online Talk on "Introduction to Drones"

The Department of Mechatronics Engineering, in collaboration with the Mechatronics Engineering Association (MESA), hosted an enlightening Online Talk on "Introduction to Drones" on Wednesday, November 15, 2023, at 10:00 AM through Google Meet. Dr. Anand Krishnan N, Assistant Professor of the Department, extended a warm welcome, and



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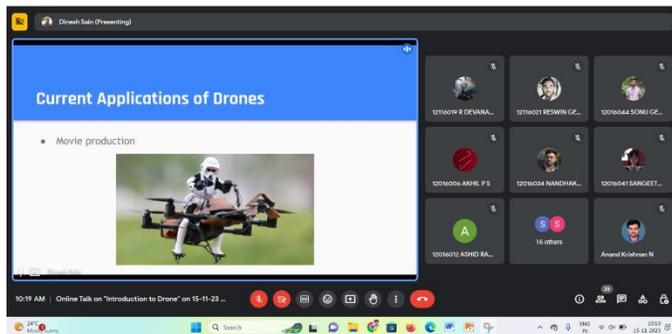
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Dr. Anooa Jose Chittilappilly, Associate Professor and Head of the Department, inaugurated the program with an insightful speech. Students from S3, S5, and S7 levels actively participated in the online session.



Focused on the theme of 'Drone Technologies,' the talk aimed to shed light on the vast scope and opportunities within this emerging field. Mr. Dinesh Sain, Co-founder of Drona Aviation Pvt Ltd, Maharashtra, led the session, providing real-time examples and emphasizing the crucial role of controllers in drone design. The talk not only enhanced the understanding of drone-related areas but also addressed students' queries, fostering a deeper comprehension of this cutting-edge technology.

Ms. Shamin E Varkey, Assistant Professor in the Mechatronics department, introduced the guest speaker, Mr. Dinesh Sain, while Mr. Gautham J, MESA Representative, expressed gratitude in the vote of thanks. The Online Talk proved to be a valuable initiative, aligning with the department's Memorandum of Understanding (MoU) objectives, and exemplifying the commitment to providing students with insights into the latest advancements in mechatronics.

## Insightful Online Talk on "Industrial Automation and Latest Trends"

Department of Mechatronics Engineering organized an Online Talk on "Industrial Automation and Latest Trends" as a part of the department MoU initiative in Association with Mechatronics Engineering Association (MESA).

The program was held on Monday, 06th November 2023 at 10.00 AM in online mode (Google meet). Dr



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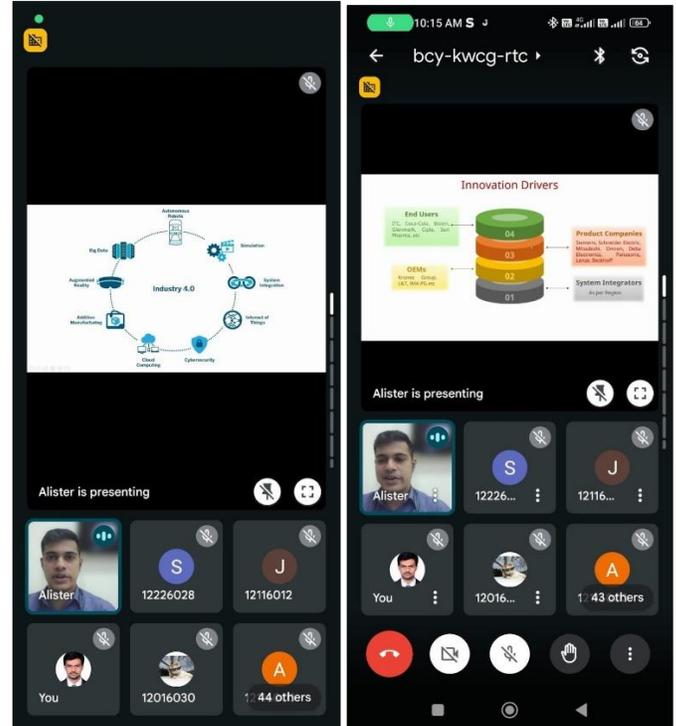


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Anand Krishnan N, Assistant professor, Department of Mechatronics Engineering welcomed all for the program. Dr. Anoop Jose Chittilappilly, Associate professor and Head of the Department of Mechatronics Engineering inaugurated the Programme and gave an inaugural speech. Both S5 and S7 students of the department of Mechatronics Engineering were attended the programme.

The Online Talk was based on the theme of "Industrial Automation" with the aim of understanding the scope and opportunities of this emerging area. Er. Alister DSilva, Director Absolute Motion Pvt Ltd led the classes and explained a lot of case studies. The session was really helped to understand and clear the doubts of the students in the Industrial Automation area.

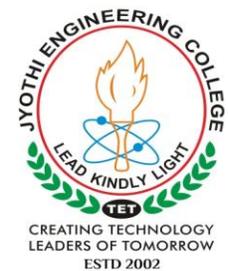
Mr. Cheru Asish Joy (MESA Representative) gave a brief introduction about the guest and Mr. Gautham J (MESA Representative) expressed vote of thanks in the program.



## Ashish Joy Elected University Union Councillor

Ashish Joy of S7 MR has been elected as the University Union Councillor in the recent elections at Jyothi Engineering College. The elections, held on October 18, 2023, saw a high voter turnout. Ashish Joy, known for his leadership and active participation in college activities, received overwhelming support from his peers. In his victory speech, Ashish thanked his supporters and pledged to work towards the betterment of the student community.





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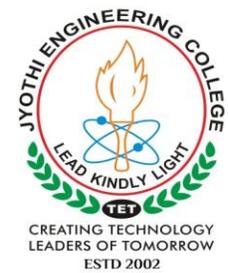
## NBA Delegation Conducts Comprehensive Evaluation of Mechatronics Engineering Department

The Mechatronics Engineering Department at Jyothi Engineering College underwent a thorough evaluation by the National Board of Accreditation (NBA) from November 17 to 19, 2023. The visit, a crucial aspect of maintaining and enhancing academic quality, was instrumental in assessing the department's adherence to national standards and benchmarks. Rigorous Assessment Over Three Days Marks Significant Milestone

Over the three-day visit, the NBA delegation engaged in interactive sessions with faculty members, students, and administrative staff. These discussions provided a platform for stakeholders to showcase the department's achievements, ongoing initiatives, and plans for continuous improvement. The delegation also had the opportunity to inspect laboratories, review academic materials, and assess the overall learning environment.

Jyothi Engineering College's Mechatronics Engineering Department demonstrated a commitment to excellence and innovation throughout the evaluation process. The NBA visit served as a valuable opportunity for the department to receive constructive feedback and recommendations for further enhancement.





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## Mechatronics Engineering S1 Assembly 2023 at Jyothi Auditorium

The vibrant atmosphere of Jyothi Auditorium came alive on December 6, 2023, as the enthusiastic first-year students of the Mechatronics Engineering Department gathered for the S1 Assembly 2023 with other department students. As the first-year students embark on their academic journey, the S1 Assembly stands as a memorable beginning, instilling a sense of belonging and enthusiasm that will undoubtedly shape their college experience at Jyothi Engineering College. Medals and certificates were awarded to those who excelled in their coursework, reflecting the department's commitment to nurturing intellectual growth and scholastic achievements.

In addition to academic honors, the ceremony celebrated achievements in extracurricular activities. Students who showcased remarkable talent in cultural events, sports, and technical competitions were recognized for their contributions to the vibrant and dynamic campus life at Jyothi Engineering College.



### EDITORIAL BOARD

Staff Editor : Mr. Jain Varghese, Asst. Professor,  
Dept. of Mechatronics Engineering

Student Editor : Mr. Gautham Jayanth,  
Mechatronics Engineering (2020-2024 Batch).

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