



DEPARTMENT OF MECHATRONICS NEWSLETTER

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. Anoop Jose Chittilappilly
Head of Department

Vision

- 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.



Jyothi Engineering College

NAAC accredited college with NER Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul kalam Technological University

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

JYOTHI HILLS, VETTIKATTIRI P.O., CHERUTHURUTHY, THRISSUR. PIN-679531, PH : +91- 4884-259000, 274423 FAX :04884-274777
NBA accredited B. Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016 to 2022

www.jecc.ac.in | Email : info@jecc.ac.in

A 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

1. All the Faculty members from the department participated in the three day Faculty Development Programme on **'Reinventing the Process of Teaching Learning'** held at Yuvakshetra Institute of Management Studies, Palakkad from 6th August 2022 to 8th August 2022 organized by Jyothi Engineering College, Cheruthuruthy.

2. Mr. Evin B Thaikkattil, Mr. Arun Vinod, Edwin Babu and Jose Ukken (2018-2022 batch) participated in the Grand Finale of Smart India Hackathon held at Coimabatore during 18th to 29th August, 2022.



3. Engineers' Day was celebrated by IEI student chapter of Jyothi Engineering college in association with the Department of Mechatronics on 15th September, 2022. Dr. A. seema, ScientistD, Centre for Materials for Electronics Technology (C-MET), was the chief guest.



4. IIIC in association with Mechatronics Engineering Students Association developed a Portable Electric Vehicle Charger in the month of September 2022.





Departmental Activities

3. As part of creating awareness to students, a class about "Familiarization of portable and fixed fire fighting equipments" was taken by Mr. Sibin Johny, AP, Mechatronics. It was intended to inform students about the usage of fixed and portable fire fighting installations in our college as part of the subject "Industrial Safety Engineering". The delay in beginning the fire extinguishment procedure is one of the main causes of losses in fire accidents. Even those who are familiar with them may not be aware of how to apply or use them in a crisis. Therefore a session was held on how to apply it.



5. Mechatronics Engineering Students Association in association with ISTE conducted a seminar on **Career opportunities in Robotics** on 14th October, 2022. Mr. Amith Raman, CEO, Inker Robotics, Thrissur was the chief guest.



6. The department along with ECE, EEE, & ME organized an expert talk on **Toyota Hybrid Vehicles** at IIIC, JECC on 17th December 2022. Mr. Hiran Ravindran, Asst. Manager, Nippon Motor Corporation was the speaker.

Electronics and Communication,
Electrical and Electronics,
Mechanical & Mechatronics

Jointly Organizing

Expert Talk on Toyota Hybrid Vehicles

At Tata Jyothi IIIC

17 DECEMBER 2022

10:00 AM

For more details contact

Jinesh K J
(Manager- Innovation & Entrepreneurship(I&E)Cell)
Contact: **94000 86378**

Speaker

Mr. Hiran Ravindran
Assistant Manager Training Development
(Nippon Motor Corporation Pvt. Ltd)

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NIPPON TOYOTA



Faculty Achievements

1. Dr. Suraj Damodaran has reviewed the papers for 2022 IEEE International Conference on Power Electronics, Drives and Energy Systems (IEEE PEDES 2022).

2. Dr. Suraj Damodaran has reviewed the papers of INDICON 2022 (annual flagship international conference of the IEEE India Council)

FDP/ Workshops attended

1. Ms. Nyni K A attended 5- Days Faculty Development Program on "Data Science(ML & AI)", organized by E & ICT Academy, IIT Kanpur from 26th to 30th September 2022.

Co-curricular & Extra curricular activities

1. 30 students of S7 students (2019-23 Batch) participated 5 days Internship on 'PLC & Hydraulics' at SRM University, Chennai from 14th November 2022.



2. Six students of S7 students (2019- 23 Batch) participated 5 days Internship on 'Industrial Safety' at Cochin Shipyard from 14th November 2022.





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Students' Activities

1. Mr. Ajin K J was awarded Rs. 75000 in Idea Fest 2022 hosted by Kerala Start Up Mission and Innovation and Entrepreneurship Development Centre.



2. Mr. AKHIL JOSEPH & Mr. HAGGIN C SAJEEV (2018-2022 BATCH) have completed B.Tech. Degree in Mechatronics Engineering in the year June 2022 and they are among the top two percent of all candidates.



S4 TOPPERS



CHERU ASHISH JOY



MILAN ROY C



M SARATH

S6 TOPPERS



SAJNA SUNNY T



ROHIT K K



S REGHURAJ

S8 TOPPERS



ROHAN G J



AKHIL JOSEPH



ALISHA ROSE S

Editorial Board

Staff Editor : **Ms. Nyni K A**, Asst. Professor,
Dept. of Mechtronics.

Student editor : **Mr. Muhsin Raziey**, Student,
Mechatronics (2020-2023).