



Jyothi Engineering College
 NAAC accredited college with NBA 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, VETIKATTIRI 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
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DEPARTMENT OF MECHATRONICS NEWSLETTER

As the HOD,

I hope this message finds you well and thriving in your respective endeavors. It's a great pleasure to welcome you to the third volume of our department's newsletter, marking the second issue of this academic year. This newsletter serves as a testament to the dedication, innovation, and enthusiasm that continue to shape the Mechatronics Department at Jyothi Engineering college.

As we dive into the world of mechatronics, we are reminded of the incredible synergy that exists at the intersection of mechanical engineering, electronics, computer science, and control engineering. This field continues to push the boundaries of what's possible and creates multifaceted solutions to some of the world's most pressing challenges.

Thank you for your commitment to our department, and I look forward to witnessing our continued growth and success. Together, we will shape the future of mechatronics and inspire generations to come.



Prof. Dr. Vivek Lukose
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.



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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. Dr. Anooa Jose Chittilappilly has joined the department as **Associate Professor** in the month of November 2021. She holds a PhD with specialization in Electronics and communication engineering



2. Dr. Suraj Damodaran has joined the department as **Associate Professor** in the month of December 2021. He holds a PhD from NIT Calicut.



Faculty Achievements

Paper Publications

- Ms. Soumya C, AP, MR published a research paper titled "**A review on Solar Photovoltaic Systems and Its Application in Electricity Generation**" in AIP Conference Proceedings.
- Dr. M Rajalakshmi, and Dr. C Karthik Associate Professors, published a paper titled "**Machine Learning for Modeling and Control of Industrial Clarifier Process**", in the Journal, TSP -Intelligent Automation & Soft computing, Vol.32,no.1, page 339 - 359. (SCI-1.64)



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Faculty Achievements

FDP/ Workshops attended

- Dr. C Karthik, Participated FDP on **Intelligent and Collaborative Robotics** from 13th September 2021 to 17th September 2021 at Birla Institute of Technology & Science, Pilani, Pilani Campus.
- Ms. Shamin Elizabeth Varkey, Participated In Atal Fdp On Industrial IOT : **Automation, PLC'S, Vfd Web Server** from 20th September 2021 to 24th September 2021 conducted By National Small Industries Corporation (NISC), Hyderabad.
- Dr. Rajalakshmi Murugesan, participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on **Advanced MATLAB for Scientific Computing** from 13th September 2021 to 17th September 2021 at University Polytechnic, Delhi.
- Mr. N Jeyakannan, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on **AR/VR Technologies A Game Changer for Healthcare Industry** from 20th September 2021 to 24th September 2021 at SNS College of Technology (Autonomous) Coimbatore.
- Mr. N Jeyakannan has Participated in a Web Conference on **Materials Science and Its Technological Advancements** on 22th September 2021 at Voorhees College, Vellore
- Mr. N Jeyakannan has Participated in A Seven Days FDP on **"Advanced Materials for Future Science"** from 6th to 13th September 2021 at Jeppiaar Engineering college, Chennai.
- Dr. Rajalakshmi Murugesan, participated in the AICTE sponsored one week STTP on **Optimization, Modelling and Simulation for Process Industries** (MOSCHEMA III - 2021) organized by the Department of Chemical Engineering, Annamalai University during 4th to 9th October, 2021.



Faculty Achievements

- Dr. Rajalakshmi Murugesan, participated completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on Jyothi Engineering College, Cheruthuruthy **Mathematical Modelling and Controller Design for Non-Linear Process** from 11th to 15th October 2021 at Sree Vidyanikethan Engineering College.
- Dr. C Karthik, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on **Intelligent and Collaborative Robotics** from 13th to 17th October 2021 at Birla Institute of Technology Science, Pilani, Pilani Campus.
- Dr. C Karthik, participated in the AICTE sponsored one week STTP on **Optimization, Modelling and Simulation for Process Industries** (MOSCHEMA III - 2021) organized by the Department of Chemical Engineering, Annamalai University during 4th to 9th October, 2021.

Student's Activities

1. Co curricular & Extra curricular activities Basith Ali and Domi Leon of S7 MR, participated in the Railway **"Swachhata Pakhwada 2021"** conducted by Vallatholnagar Railway station in association with NSS unit 140 on 2nd October 2021.
2. Mr. Mohammed Fahim of S4 MR has Participated in COGNITARE Quiz Competition organized by ISTE GECT Students Chapter on August 25th, 2021
3. Mr. Joel Varghese of S4 MR has Participated in the **Quiz Competition conducted** by ASCE CET on 15th September 2021.
4. Jothis R Daas of Jyothi Engineering College (JEC), Thrissur, Kerala has participated in **Reliance Quiz-a-thon 6.0** organised by Reliance Industries Limited (RIL).
5. Jothis R Daas of Jyothi Engineering College (JEC), Thrissur, Kerala as TeamMystriX has participated in **Hero Campus Challenge Season 7** organized by Hero MotoCorp Limited.



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Student's Activities

5. Seminars, Courses, Webinars:

- a. Sreehari C of S7 Mechatronics has successfully completed the NPTEL course offered by IIT Kharagpur on **Introduction to internet of things (IOT)**.
- b. Haggan C Sajeev of S7 Mechatronics has successfully completed the NPTEL course offered by IIT Ropar on **"Joy of Computing using Python"**
- c. Mr. Ajin KJ of S4 Mechatronics has participated in the Course **"Java Exception Handling"** organized by LinkedIn Learning on August 31th, 2021.
- d. Mr. Joseph K A of S4 Mechatronics has successfully completed the online course on **"Operating System and You"** Organized by Google on August 15th, 2021.
- e. Mr. Joel Varghese of S4 Mechatronics has Participated in the seminar on **Post Covid 19 Labour Markets** 20th November 2021 at Jyothi Engineering College, Thrissur.

University Result Toppers

S4 TOPPERS



S REGHURAJ



SAJNA SUNNY T



AJIN K.J

S6 TOPPERS



EVIN B THAIKATTIL



JINTO K T



AKHIL JOSEPH

S8 TOPPERS



ALPHIN FRANCIS



ABHISHEK N



AJIN MG

Editorial Board

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

Student editor : **Mr. Albin David**, Student,
Mechatronics (2019-2023).

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