



# 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, 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

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# DEPARTMENT OF MECHATRONICS NEWSLETTER

## As the HOD,

I hope this message finds you all in good health and high spirits. As we step into the next phase of the academic year, I am pleased to share some highlights and updates from the Mechatronics Department.

I would like to take this opportunity to express my gratitude to our faculty members for their unwavering commitment to delivering quality education and fostering a culture of continuous learning. Their expertise and dedication serve as the cornerstone of our department's success.

As we move forward, we are excited about the upcoming projects, events, and research opportunities that lie ahead. I encourage each of you to remain curious, innovative, and eager to explore the frontiers of Mechatronics. Wishing you all a productive and fulfilling semester ahead.



**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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## Faculty Achievements

1. Ms. Soumya C, AP, Mechatronics along with the students from S8 Mechatronics (2017 Admission), Mr. Ajin MG, Mr. Rohith T S, Mr. Hamras Mohammed and Mr. Jikson P F has actively participated and presented a paper titled **"Waste collecting boat"** in the International Virtual Conference "Recent Innovations in Science & Technology (RIST 2021)" conducted on 19<sup>th</sup> & 20<sup>th</sup> June 2021, organized by ERANAD Knowledge City Technical Campus, Malappuram, Kerala, India in association with ISET Research & HEXAIND Technologies and Services.

2. Dr. M Rajalakshmi, Associate Professor, Ms. Shamin Elizabeth Varkey, Assistant Professor & Dr. C. Karthik, Associate Professor of Mechatronics department Presented a research paper titled **"ANN based Fractional order PID controller design for pitch control of Boeing 747-400"** in International Conference on Artificial Intelligence and Energy System (ICAIES-2021) in Virtual Mode organized by Institute of Technical and Scientific Research, Jaipur.

3. Mr N Jeyakannan, presented a research paper titled **"Optimal Placement Of Voltage Regulator And Capacitor For Distribution System"** in IEEE International Conference on Systems, Computation and Networking (ICSCAN-2021) in Virtual Mode organized by Manakula Vinayagar Institute of Technology, Kalitheerthalkuppam, Pondicherry.

4. Mr. N Jeyakannan, presented a research paper titled **"IoT Based Design of Automatic Seat Belt System for Vehicles"** in IEEE International Conference on Smart Computing and Communications (ICSCC-2021) in Virtual Mode organized by Muthoot Institute of Technology and Science, Kochi.



Ms. Shamin Elizabeth Varkey



Ms. Soumya



Dr. M Rajalakshmi



Dr. C. Karthik



Mr. Jeyakannan



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## Major Activities

Dr. M Rajalakshmi joined the department as associate professor in the month of January 2021. She holds a PhD in Control and Engineering.



Dr. M Rajalakshmi

## Jury Members

1. Dr. M Rajalakshmi, Associate Professor and Dr. C Karthik, Associate Professor proceeded as a Jury Members for the **"5th National Level IEEE Project Competition-2021"** Organized by IEEE Student Branch (STB17861), GSSSIETW in association with IEEE Bangalore Section and IEEE Mysore Subsection on 26<sup>th</sup> June 2021.



Dr. C. Karthik

2. Dr. M Rajalakshmi., acted as a Jury Member for the **"IEEE BIT MINI project competition - 2021"** Organized by IEEE Student Branch (STB34591), Bangalore Institute of Technology in association with IEEE Bangalore Section on 1<sup>st</sup> July 2021.



Dr. M Rajalakshmi

## Workshops Attended

1. Ms. Soumya C, AP, Mechatronics has actively participated in the IEEE sponsored 3 days national level workshop on **Research Methodology** organized by Annai Vailakanni College of Engineering, Kanyakumari during 2<sup>nd</sup> July to 4<sup>th</sup> July 2021.

2. Ms. Shamin Elizabeth Varkey, AP, Mechatronics has actively participated in One-week International Workshop on **"How to write a quality research article"** 24<sup>th</sup> May to 1<sup>st</sup> June 2021. Organized by Sri Vidya Mandir Arts & Science college, Uttangarai & Christ College Bangalore



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## Students Activities

### Placements

Mr. Dhiraj V S, Greeshma John & Mr. Leen David placed in TCS through campus placement



## Co curricular & Extra curricular activities/ trainings and workshop

1. Mr. Leen David P B of S8(2017-2021) batch successfully completed 12 weeks online course in **Developing Android Apps with App Inventor** authorized by The Hong Kong University of Science and Technology offered through Coursera

2. Following students have completed a workshop on **"Industrial Automation"** conducted by Inker Robotics and Absolute Motion on 13<sup>th</sup> January 2021

- a. Leen David P B
- b. Sreekanth M P

3. Mr. Alwin Antony and Mr Evin B Thaikkattil of S6 Mechatronics (2018-2022) participated in the online training/webinar on **"IEEE XPLORE"** organized by Jyothi Engineering College on 2<sup>nd</sup> July 2021

4. Mr. Mohammed Fahim, Mr. Joel Jacob, Mr. Rohit K K, Mr. Aswin A Vinoy, Mr. Akshay P G of S4 Mechatronics(2019-2023) have participated in the Webinar on **IEEE XPLORE** organized by JEC on 3<sup>rd</sup> July 2021.

5. Ms. Sajna Sunny of S4 Mechatronics (2019-2023) has participated in the Webinar on **Wireless Power Technology** in EV Applications on 2<sup>nd</sup> July 2021.

6. Ms. Anagha, Ms. Sajna Sunny, Mr. Joel Jacob, Mr. Mohammed Fahim, Mr. Akshay P G of S4 Mechatronics (2019-2023), participated in the Workshop on **TINKERCAD CIRCUITS** organized by Department of ECE, JEC on 9<sup>th</sup> July 2021.

7. Mr. Joel Jacob completed the 11 hours of **Online Practical Ethical Hacking for beginners** on 5<sup>th</sup> July 2021.

8. Mr. Evin B Thaikkattil and Mr Jothis R Daas of S6 Mechatronics has been awarded a participation certificate in recognition of being a quarter finalist in The Swadeshi microprocessor Challenge 2020.



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## University Result Toppers

### S7 TOPPERS



ALPHIN FRANCIS



GREESHMA JOHN



LEEN DAVID P B

### S5 TOPPERS



SREEHARI C

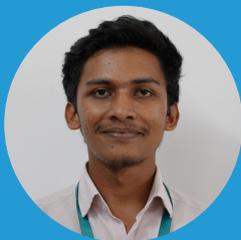


NOEL SAJAN



EVIN B THAIKKATTIL

### S3 TOPPERS



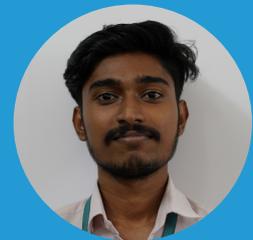
AJIN K J



ALBY THOMAS



BENAT JOSE



ROHITH K

### Editorial Board

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

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**