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
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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,

It's indeed heartening to release the second issue of our newsletter for the first half of 2020. The activities of our students are clearly indicative of their sincere efforts to take part in seminars, hackathons, quizzes, workshops and various competitions. This is in spite of COVID pandemic at its peak. The major strength of the department is its committed staff who supports the students through thick and thin. I wish them all luck for the forthcoming placement drives and sincerely pray their hard work doesn't go unrewarded. I also wish to thank the editor and staff for this issue and the forthcoming ones.

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.

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

- The department arranged a technical talk on 20th February 2020 by Mr. Rahul P.B, founder & CEO of Inker Robotics.
- The Department organized a Webinar on "Introduction to Robotics" on 23rd July 2020. The resource person was Mr. Akhil V. M, research scholar, National Institute of Technology, Calicut.
- In association with Indian Society for Technical Education (ISTE) student chapter of Jyothi Engineering College, the department organized a webinar on 31st July 2020 on "Modelling and Simulation."

Faculty Achievements

- Mr. Jinesh K. J, participated in a startup-reality show conducted by Flowers TV in January 2020 and displayed their product "Lyza".
- A webinar series was presented by Mr. Jinesh K. J, on 5th May 2020 and 19th May 2020 on the topic of "Introduction to Arduino" and "PCB Design and Simulation" in association with IEEE & IEEE Industry Applications Society

Mr. Jineesh K J

Students' Activities

1. Mr. Basith Ali and Mr. Abhijith B. of S6 MR successfully completed the online quiz as part of World Environment Day 2020 organized by the NSS unit of Amal Jyothi college of Engineering, Kanjirappally, Kerala.

2. Mr. Jose Ukken and Mr. Melwin V. G. of S4 MR participated in the Online Quiz competition based on life of Gandhi, organized by NSS units of TKM College of Engineering, under the patronages of NSS cell of APJ Abdul Kalam Technological University in commemoration of the 150th birth anniversary celebration of Mahatma Gandhi on March 21, 2020

3. Mr. Evin B. Thaikkattil and Mr. Sanjay Sajikumar of S4 MR successfully participated in the Webinar on Power Electronics Converters for Electric Vehicle-New Generation Low Cost Solutions organized by IEEE & IEEE-IAS on 24 June, 2020.

4. Mr. Abhijith B. of S4 successfully completed the "General Awareness Quiz on Covid - 19 " conducted by National Service Scheme , NSS College Ottapalam on 17 May, 2020 with a score of 87%.

5. Following students of S6 MR attended workshop on Swarm Robotics organized by Jyothi Engineering College sponsored by ISTE student chapter
a. Mr. Leen David P. B.
b. Mr. Nithinraj C.
c. Mr. Godwin Davis Vadakkan

6. Mr. Dhiraj V. S. of S6 MR attended 6 days' internship at ITI Ltd., Palakkad from 06 January, 2020 to 13 January, 2020, he successfully completed a course on "Build a Simple App in Android Studio" with Java and "Use WordPress to Create a Blog for your Business" offered by Rhyme, through Coursera on 16 May, 2020. He has also successfully completed Career Edge-Knockdown the Lockdown, online course offered by TCS iON from 01 May, 2020 to 28 June, 2020

7. The following students of S6 MR successfully completed 12 weeks NPTEL online course "Joy of computing using python" offered by IIT Madras
a. Mr. Alphin Francis
b. Mr. Abhishek N.
c. Mr. Leen David P. B.
d. Mr. Blison Babu

Students' Activities

8. Mr. Evin B. Thaikkattil of S4 MR successfully participated in Harley Davidson Design Workshop conducted during Tharang 2020 and organized by SAE (Society of Automotive Engineers) Collegiate Club of Government Engineering College Thrissur & Industries Tech held on March 6th, 2020 at Jyothi Engineering College, Thrissur.

9. Mr. Blison Babu of S6 MR successfully completed a project on computer vision –object tracking with OpenCV & PYTHON and also completed "AI for Everyone" both courses offered by Coursera on 25th June, 2020

10. Ms. Susan Jackson of S4 MR successfully completed the HTML Fundamentals course on 28th June 2020

11. Mr. Leen David P. B. of S6 MR successfully completed NPTEL MOOC Course on Python offered by IIT Madras, Design and Make Infographics provided by Michigan State University (Coursera), Speak English Professionally provided by Georgia Institute of Technology (Coursera), Introduction to Engineering Mechanics provided by Georgia Institute of Technology (Coursera), Artificial Intelligence provided by deeplearning.ai (Coursera). He also attended webinars on "Robotics Fundamentals" and "Design of Home Solar System organized by Sreepathy Institute of Management and Technology, "Resonance free mechanical structures" organized by department of mechanical engineering, Jyothi Engineering College, Thrissur.

12. The following students of S4 MR successfully completed the "The Joy of Computing using Python" conducted by IIT madras, NPTEL Online Certification on 17 April, 2020.
a. Mr. Jothis R. Daas with a score of 89%
b. Mr. Evin B. Thaikkattil with a score of 90%.

13. Mr. Sivadutt K. D. of S6 MR has successfully completed online courses Introduction to Project Management provided by Coursera, on 12 June, 2020 and Python Basics provided by University of MICHIGAN (Coursera), on 15 June, 2020.

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