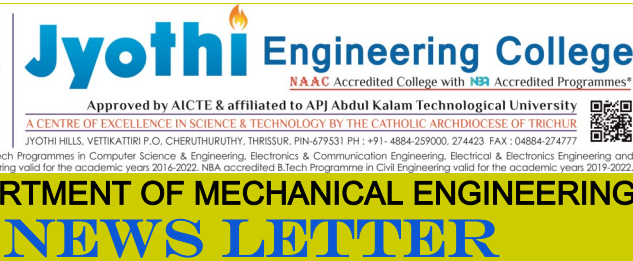


## Student Activities

2. Final year project titled “Viruzid UV Sterilizer” done by Mr. Christo Kollanur, Mr. Christo Varghese, Mr. Don Thomas, Mr. Adarsh Govindis guided by Mr. Nice Menachery got wide acceptance during the COVID-19 pandemic because of its suitability in disinfection procedure and they applied for patent (application number 202041022870) for the same. Also they got selected for the **YOUNG INNOVATORS PROGRAMME 2019-20** Finalists as part of K - DISC and the **ENTREPRENEURSHIP CONCLAVE** in Thiruvananthapuram led by the Department of Commerce and Industry.
3. Mr. Arun Shaju K., Mr. Augasthya Kuruvila, Mr. Don A. Kakkassery, Mr. Febin Sebastian (S6 ME A), guided by Dr. Deepanraj B. presented their project work titled ‘SOLAR TRACKING - A NOVEL APPROACH’ at AICTE Sponsored International Conference ICTAMDMES’20 held at St. Joseph’s College of Engineering, Chennai on February 20-21, 2020.
4. Mr. Adarsh Sunil, Mr. Arjun K. M., Mr. Athul Thomas, Mr. Deepak M. N. (S6 ME A), guided by Mr. Nice Menacherry presented their project work titled ‘ECO-FRIENDLY COMPOSITE MATERIAL FROM SAW DUST’ at AICTE Sponsored International Conference ICTAMDMES’20 held at St. Joseph’s College of Engineering, Chennai on February 20-21, 2020.
5. Mr. Akshay B. S., Mr. Akhilesh P., Mr. Jithin P. Mohan, Mr. John Dennis (S8 ME), guided by Ms. Nisha Sherief presented their project work titled ‘ANTI-DROWNING SYSTEM FOR CARS’ at AICTE Sponsored International Conference ICTAMDMES’20 held at St. Joseph’s College of Engineering, Chennai on February 20-21, 2020.



### Vision

To provide quality education of international standards in Mechanical Engineering and promote professionalism with ethical values, to work in a team and to face global challenges.

### Mission

- To provide an education that builds a solid foundation in Mechanical Engineering.
- To prepare graduates for employment, higher education and enable a lifelong growth in their profession.
- To develop good communication, leadership and entrepreneurship skills to enable good knowledge transfer .
- To inculcate world class research program in Mechanical Engineering.

### H.O.D's Desk



Mechanical engineering is the study of objects and systems in motion, one of the most diverse and versatile engineering fields. The role of a mechanical engineer is to take a product from an idea to the marketplace. The field of mechanical engineering touches virtually every aspect of life on earth, including the human body, a highly complex machine.

## Department Achievements

1. Organized faculty development program titled 'Renewable Energy Sources: Conversion, Storage and Applications' during 06-01-2020 to 10-01-2020.
2. Conducted workshop titled 'Harley Davison Workshop' as part of tech-fest on 06-03-2020.
3. Organized webinar titled 'Intellectual Property Rights in Research: Knowing the basics' on 17-06-2020.
4. Organized webinar titled 'Scanning Electron Microscopy and X-ray Microanalysis' on 20-06-2020.
5. Organized webinar titled 'Resonance Free Mechanical Structures' on 23-06-2020.
6. Organized webinar titled 'How to search and analyse effectively to get relevant and latest literature: Few time saving Tips' on 25-06-2020.
7. Organized webinar titled 'Solar Photovoltaic System' on 26-06-2020.
8. Organized webinar titled 'Biomimicry an innovative tool inspired from nature' on 09-07-2020.
9. Conducted A National level Online Quiz Series titled 'Examen 2020 - Cerebro knocking' during 07-07-2020 to 28-07-2020.
10. Organized workshop titled 'Thermal Management Of Electronics' during 27-07-2020 to 28-07-2020.
11. Organized workshop titled 'The Art Of Technical Writing' during 07-08-2020 to 08-08-2020.
12. Organized an online faculty development program titled 'Renewable Recent Trends In Product Development' during 10-08-2020 to 16-08-2020.
13. Organized webinar titled 'Energy Audit Methodology and Instruments' on 15-08-2020.
14. Organized webinar titled 'Introduction to CFD Principles and Practices' on 20-08-2020.

## Staff achievements

1. The project guided by Prof. Biju P. L. and Prof. Manoj Kumar titled 'Eco-friendly management of used diapers and napkins' got funding of amount Rs.49,000/- from CERD (Under KTU).
2. Mr. Deepanraj B. presented a paper titled 'Biodiesel Production from Mixed Elengi and Pongamia Oilusing Calcined Waste Animal Bone as a Novel Heterogeneous Catalyst' in International Conference on Technological Advancements in Materials, Design, Manufacturing and Energy Sectors (ICTAMDME'S'20).
3. Mr. Deepanraj B. presented a paper titled 'Solar Tracking – A Novel Approach' in International Conference on Technological Advancements in Materials, Design, Manufacturing and Energy Sectors (ICTAMDME'S'20).
4. Ms. Nisha Sherief presented a paper titled 'Biodiesel Anti-Drowning System for Cars' in International Conference on Technological Advancements in Materials, Design, Manufacturing and Energy Sectors (ICTAMDME'S'20).
5. Mr. Nice Menachery presented a paper titled 'Biodiesel Eco-friendly composite material from saw dust' in International Conference on Technological Advancements in Materials, Design, Manufacturing and Energy Sectors (ICTAMDME'S'20).
6. Mr. Deepanraj B. published a paper titled 'Biogas from Food waste through Anaerobic Digestion: Optimization with Response Surface Methodology' in Biomass Conversion and Biorefinery.



Mr. Biju P. L.

Mr. Manoj  
Kumar

Mr. Deepanraj B.

Ms. Nisha  
SheriefMr. Nice  
Menachery

## Student Activities

1. Mr. Albin Mathew, Mr. Ajilas V. R., Mr. Ajay Wilson, Mr. Flewin Johnson, Mr. Harith H. (Students of S7 ME-A) got selected to Young Entrepreneurs Program state level evaluation Organised by Kerala- Development Innovation Strategic Council (K-DISC). The district level competition was on 28th October 2019 and state level was on 23rd December 2019.