

**DEPARTMENT OF MECHANICAL ENGINEERING  
SOCIETY OF MECHANICAL ENGINEERS**

SME is a local society of the department functioning form 1996. The society coordinates the inauguration of department societies and the inter collegiate technical symposium every year. Intra department competitions are also conducted by the society for developing the skillset and technical competencies of our students.

**Academic Year 2022-23**

- An exhibition on “Pneumatic system and Automation using FESTO Mobile Expotainer” was organized on 27<sup>th</sup> September 2022.
- A workshop on “How to build your R C Car” was conducted by the students for training and benefit of internal students on 10<sup>th</sup> November 2022.





- An RC CAR Competition was conducted for students from the school of Mechanical sciences on 28<sup>th</sup> November 2022. Cash prize for winners and certificates were given for the participants.

**RC Car fabricated by students:**





- An inter college technical symposium “CONFLUENCE 2023” was conducted on 12<sup>th</sup> April 2023. Mr. Kasiraja Thanga Pandian, Senior Manager, Visteon, Chennai inaugurated the symposium and delivered the inaugural address.





B.S. Abdur Rahman™

# Crescent

Institute of Science & Technology

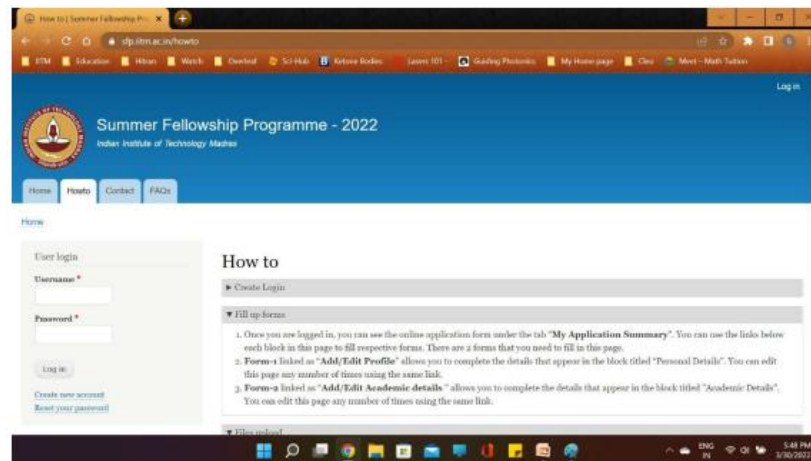
Deemed to be University u/s 3 of the UGC Act, 1956

## TECHNICAL EVENTS



## Academic Year 2021-22

- A webinar on “Scope for Research in Opto Mechatronics” was organized by SME. The presentation was delivered by Mr. Saran Kumar from Opto Mechatronics Lab of IIT Madras.



### PA and QEPA Spectroscopy

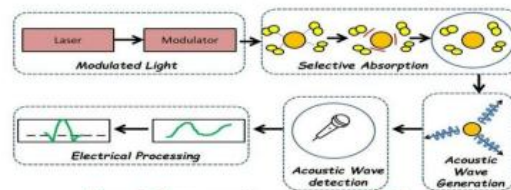


Figure 4: Photoacoustic spectroscopy (PAS)

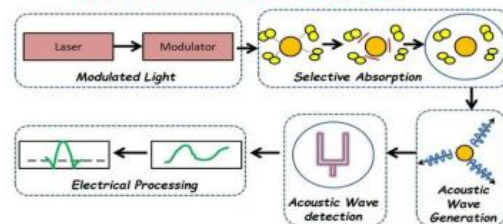


Figure 5: Quartz Enhanced Photoacoustic spectroscopy (QEPAS)

➤ The Photoacoustic (PA) [2] effect can be divided into three steps:

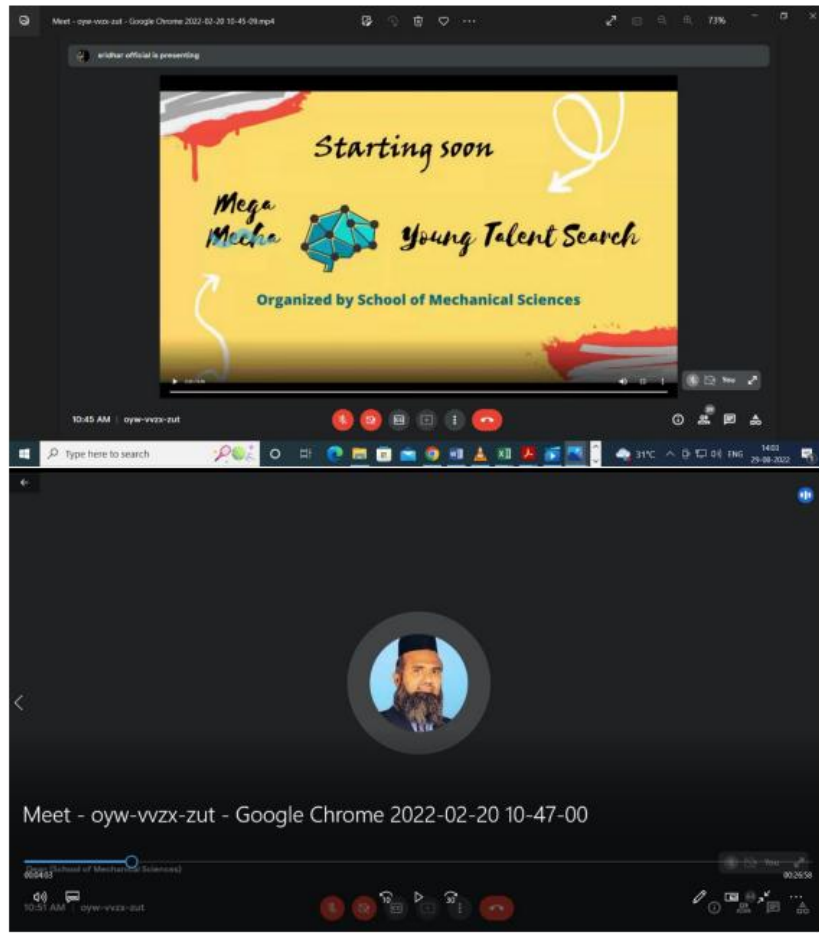
1. Heat release in the sample material due to optical absorption.
2. Acoustic and thermal wave generation in sample.
3. Detection of the PA signal in a PA detector.

➤ QEPAS sensor [3] has the merits of high sensitivity ranging from (ppm-ppT) level, low cost, a large dynamic range and compactness.

- The inter college technical symposium “MECHA RUSH” was conducted on 26<sup>th</sup> May 2022 by SME in association with other societies of the department. Mr. D. Janarthanan, Sr. Engg. Manager, L&T Ltd. attended the inaugural function and delivered the inaugural address.



- MEGA Young Talent Search 2022, was conducted by the School of Mechanical Sciences in association with SME for Higher Secondary school students to motivate and attract them towards Engineering on 18<sup>th</sup> June 2022.



### Academic Year 2020-21

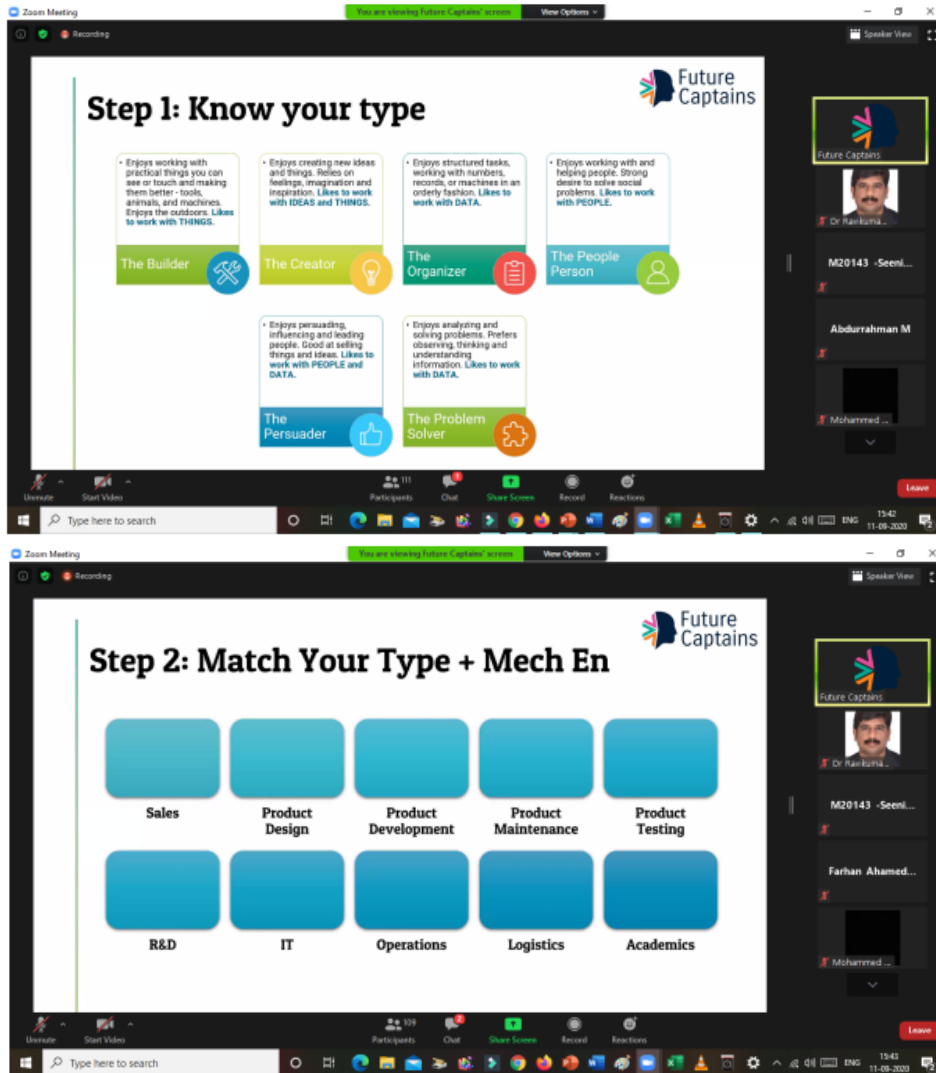
- The webinar on “Future Readiness for Mechanical Engineering students” was conducted on 11th September 2020. Mr.Tamil Selvan Mahalingam, Founder & CEO, Future Captains interacted with the students.

**A self evaluation**

- What is your motivation to study engineering
- What is your goal after college or after your higher education
- What are you get from achieving goal
- Why is it important to get money
- Is it to attain luxury or happiness
- Name some of the richest persons in the world
- Did they become rich because they got money or something else

From M20143: Soni Athib to Everyone  
smart work





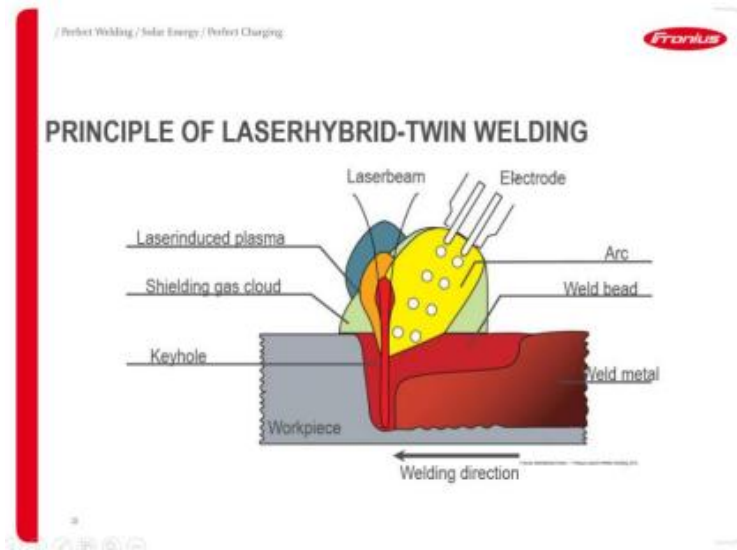
### Academic Year 2019-20

- A Guest Lecture on “Introduction to Hyperworks” was organized on 21st February 2020, for the benefit of Third-year students. Mr. Prabhu Sundarajan from Designtech delivered the Lecture. Around 30 students and faculty members attended the lecture.



- The webinar on “Career Opportunities in Welding” was organized in collaboration with Fronius India on 28th April 2020. The presentation was delivered by Mr. Azhagappan. Suman of Fronius India.





### Academic Year 2018-19

- The inter college technical symposium “TechAura 2019” was conducted on 14th March 2019. by SME in association with other societies of the department. Mr. JIBY ISAAC, Head R&D, from Apollo Tyres Ltd. delivered the keynote address.



### Academic Year 2017-18

- An awareness workshop was conducted in association with IDIN (International Development Innovation Network) on 19.08.2017 to emphasis social innovation, empathy, brainstorming and co- creation. Members of IDIN and Participants of IDDS 2015 were the resource persons. About 70 students of the school of mechanical science attended the program and got benefitted.



- The technical symposium “INERTIA” was conducted on 12.04.2018. It was a very successful event inaugurated by Mr. Shiva Prasad Reddy general manager-SCM/Inventory from FORD MOTORS Private Ltd who delivered keynote address. More than 200 students participated in the technical fest.10 events were conducted in the event and was evaluated by our faculty and the winners were selected and prize money was given to them by the Dean school of mechanical sciences “Dr.Rasool Mohideen”.



### **Academic Year 2016-17**

- The inauguration of society activities for the previous academic year 2016\_17 was conducted on 28<sup>th</sup> October 2016. The chief Guest Mr. R. Karunanidhi, Manager, Endurance Testing Lab, WABCO India Ltd inaugurated the society activities and delivered the keynote address.
- Our society coordinated for the intercollegiate technical festival “CRESTECH 2017” organised on 24<sup>th</sup> and 25<sup>th</sup> of March 2017 in the University level. Students from various institutions participated. We conducted three events namely Cad modelling, lunar landing and water rocketry in a professional manner. Our students gained practical knowledge and experience by conducting these events. Two of our students won prizes.