

## ELEATION Expert Lecture on CAE

On June 30<sup>th</sup>, a webinar on Engineering Projects and ANSYS Training was organized in collaboration with ELEATION for the department of Mechanical Engineering's final and third semester students.

Mr. Apoorv Bapat, CEO of Eleation, gave the expert lecture.

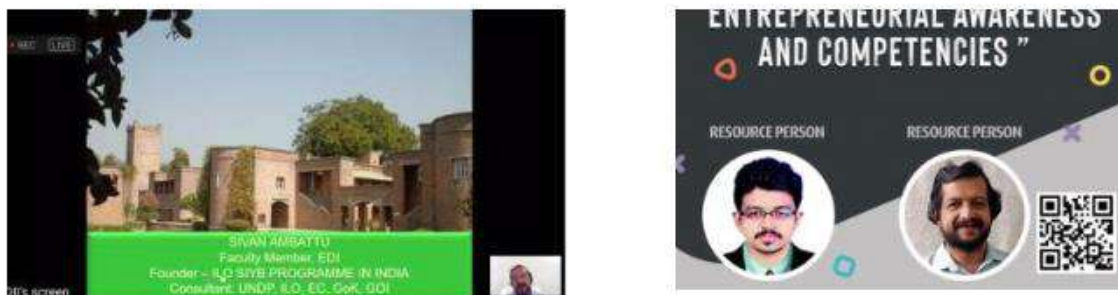


## YUGMA 2021



Across June 18 to June 20, the Department of Mechanical Engineering, TIST, and ten ASME student sections from Kerala collaborated to host an online mini Engineering Technical Fest called YUGMA 2021. Students, early-career engineers, and academicians from all around India made up the participants and audience.

## Entrepreneurial Awareness and Competencies



As part of the AUMENTO '21 Webinar Series, the Department of Mechanical Engineering hosted a webinar on Entrepreneurial Awareness and Competencies on May 31, 2021. The webinar raised student understanding of entrepreneurship and emphasised the importance of creativity. Mr. Sivan Ambattu and Mr. Shibin Mohammed served as resource people. Both are members of the Kerala Chapter of the Entrepreneurship Development Institute of India. The event attracted around 100 students.

### **Present requirements of Mechanical Engineering Industry and importance of softwares used in Mechanical Engineering**

On May 25, 2021, the Department of Mechanical Engineering hosted a webinar on the topic “Present requirements of Mechanical Engineering Industry and importance of softwares used in Mechanical Engineering.” Mr. Winny Shaji, Analyst and Business Intelligence of Molex, a Koch Industries subsidiary, led the Google Meet session. The event gathered more than 100 participants.

### **DFMA and sustainability**

On May 20, 2021, the ASME students chapter of Toc H Institute of Science and Technology hosted a webinar on “DFMA and Sustainability.” Dr. Arunkumar, Asst. Prof. Amritha Viswa Vidyapeetham, Coimbatore, handled the session. About 65 students attended the session.



### **Computer based technologies supporting mechanical engineering**

On 11-05-2021, the ASME students chapter of Toc H Institute of Science & Technology hosted a webinar on "Computer based technology supporting Mechanical engineering." Mr. C.R. Krishnamurthy, M.D. of JIT Services Palakad, handled the session. About 100 students attended the session.



### **Career opportunities in Oil and Gas sector**

The Department of Mechanical Engineering hosted a webinar on “Career Opportunities in the Oil and Gas Sector” on April 16, 2021 from 10:00 a.m. to 11:00 a.m. (IST) in collaboration with the UNITED NDT TRAINING AND INSPECTION CENTRE, Cochin. The program was attended by mechanical students in their last year. The seminar was led by Mr. Anas Abdul Basheer, Managing Director of United NDT Training and Inspection Center.

### **Job Opportunities in Mechanical Industry and Industry familiarization**

On April 15, 2021, the Department of Mechanical Engineering hosted a webinar on the topic “Job Opportunities in the Mechanical Industry and Industry Familiarization.” The discussion was led by Mr. Yadhu M P, Deputy Manager, Tools and Inspection Department, HAL Banmgalore, through Google Meet. The program drew more than 90 pupils.

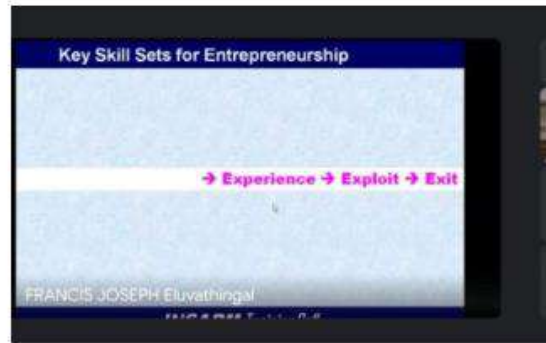
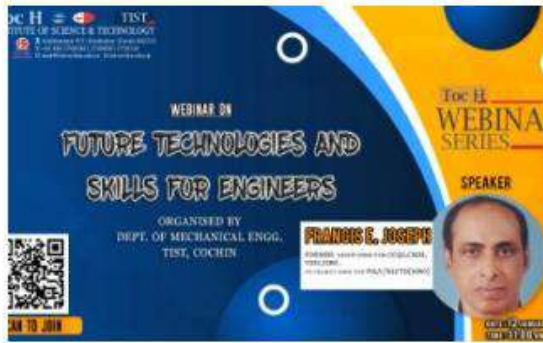
### **Small specimen test techniques**

On April 8th,2021, a webinar on “Small Specimen Test Techniques” was held. Dr. Arun Kumar was in charge of the session ( Amrita school of Engineering, Kollam). There were over 60 people in attendance.



### **Future Technologies and Skills for Engineers**

The Department of Mechanical Engineering hosted a webinar on “Future Technologies and Skills for Engineers” on January 12<sup>th</sup>, 2021 at 11 a.m. The discussion was moderated by Mr. Francis E Joseph, former Group Director – CCQG, CMSE, VSSC, Indian Space Research Organization (ISRO). The program drew more than 90 pupils.



### Aeromodelling a Hobby that uses Precision Engineering

The Department of Mechanical Engineering, TIST, hosted a webinar on the topic “Aeromodelling as a Precision Engineering Hobby” in collaboration with Glorod Avionics PVT. LTD on January 7, 2021 at 11 a.m. Mr. Sheen V Thomas, Managing Director, Glorod Avionics PVT. LTD, led the Google Meet session. The webinar drew a crowd of over 100 people.



### What Industry Needs from Engineering Graduates



The Department of Mechanical Engineering, in collaboration with Conceptia Software Technologies Pvt. Ltd. Bangalore, hosted a webinar on “What Industry Needs from Engineering Graduates” on Wednesday, December 16, 2020 from 12pm to 1:30pm (IST).

The program was attended by mechanical students in their last year. The session was led by Mr. Vinay S, Manager-EDU.

### **Weldability in welding**

On September 19, 2020, the IIW Cochin chapter hosted a webinar on “Weldability in Welding.”

Mr Prasad Kumar was in charge of the session. There were almost 100 people in attendance.



### **Understanding XR technologies- Significance, Trends and Applications**

“The Department of Mechanical Engineering and ASAP TIST hosted a webinar session on the topic ““Understanding XR technologies- Significance, Trends, and Applications”” as part of the inauguration ceremony of Embright Infotech’s most innovative product “Eduoskus XR.” in collaboration with Embright Infotech Private Limited, KSUM, Technopark, Trivandrum.

The seminars were led by Mr. Joseph Bose (Senior Specialist in Occupational Therapy, Ministry of Health Kuwait), Mr. Sathaynarayanan A R (CEO & Co founder of Embright Infotech), and Ms. Neethu Sathyan (District Program Manager, ASAP) on September 12<sup>th</sup> and 13<sup>th</sup>, 2020 at 5 p.m. IST. The sessions drew more than 100 people.



### **Advances in materials engineering**

On August 10 & 11, 2020, a webinar on “Advances in Materials Engineering” was held. Dr Meera Balachandran (Amrita School of Engineering, Coimbatore), Dr Karthik V Shanker (Amrita School of Engineering, Amritapuri campus), Dr Shouri (College of Engineering, Chertala), and Dr Jagadesh (NIT Trichy) spoke on a variety of topics. There were over 150 people in attendance.



## Expanding Horizons: Opportunities for Engineers post COVID-19

From the 22<sup>nd</sup> to the 26<sup>th</sup> of June 2020, the Department of Mechanical Engineering TIST, in collaboration with IEDC – TIST, hosted a webinar series titled “Expanding Horizons- Opportunities for Engineers post COVID-19.” Mr. Jibby Kollanoor (Former Director Commercial, IATA), Mr. Kanu Aravindakshan (GM & Head of Digital Innovation, IBM Software), Mr. Vipin Das (Senior Manager, Regional Sales, Emerson Automation Solutions), Jithin A shaji (Project Control Lead, Ethihad Rail Project), and Ihjas Aslam Sheik IFS (Third Secretary, Indian Embassy, Cairo) spoke on a range of topics related to the opportunities for Engineers post COVID-19. There were over 120 people in attendance.



## #Piravom Future: Share your thoughts for development

The students from the **Department of Mechanical Engineering**, Toc H Institute of Science and Technology participated in the **program #Piravom Future: Share your thoughts for development**, held at Maam Auditorium, Piravom on 19<sup>th</sup> February 2021. The feasible solutions for the current problems and innovative ideas for promoting entrepreneurship, tourism, business, and improving public health and basic amenities like drinking water and waste disposal mechanisms at Piravom, were shared by the students with the Piravom **MLA Advocate Anoop Jacob during this event.**



## Webinar Series

As part of the AUMENTO '21 Webinar Series, Mechanical Engineering Department of Toc H Institute of Science and Technology, Cochin is organizing a webinar on Entrepreneurial Awareness and Competencies on 31<sup>st</sup> May 2021. The webinar aims to create awareness among the students about Entrepreneurship and instill the essence of innovation.

Resource persons: Mr. Sivan Ambattu & Mr. Shubin Mohammed (Faculty, Entrepreneurship Development Institute of India).



## Course on Computer-Aided-Engineering (CAE)

For the final year students in the Mechanical Engineering Department, an online 2-week course on Computer Aided Engineering (CAE) was held to impart engineering design and analysis abilities. During their final year projects, students used this course to do software analysis of their models.



## Webinar on Advances in Materials Engineering

A webinar on Advances in Materials Engineering was conducted by the Department of Mechanical Engineering, TIST Cochin on 10<sup>th</sup> and 11<sup>th</sup> of August 2020. Dr Jagadesh (NIT Trichy), Dr Meera Balachandran (Amrita Vishwa Vidyapeetham Coimbatore), Dr Karthik (Amrita school of engineering, Kollam), Dr Shouri ( COE Chertala) were the speakers. The program was a grand success and had participant registration of 130.

