

ELECTRAA- INAUGURAL CEREMONY

The activities of the department technical association ELECTRAA (Electronics & Communication Robotics and Automation Students Technical Association) for the academic year 2021-22 were formally inaugurated on 3rd December 2021 by Dr A UnniKrishnan, Outstanding Scientist and Associate Director(Rtd), Naval Physical & Oceanographic Laboratory(NPOL), Cochin.

Dr Alex Mathew, President, Toc H Public School Society, gave the Presidential address. The chief guest was introduced to the gathering by Asst. Professor Deepa Mary Varghese, faculty Coordinator of ELECTRAA. A report on Departmental activities 2020-21 was presented by Dr Deepa Elizabeth George, HOD followed by the release of the department newsletter 'ESCAN' by Er. C.S Varghese, Secretary, Toc H Public School Society. Awards were distributed to academic toppers by the chief guest. Principal Dr Preethi Thekketh felicitated at the function. The program concluded with a vote of thanks by Ms Sheetal Ann Ajith, Joint Secretary ELECTRAA.



Industrial Visit to APTIV CONNECTION SYSTEMS INDIA Pvt Ltd, Arakunnam, Kochi.

Students of BTech S5 Robotics and Automation visited APTIV CONNECTION SYSTEMS INDIA Pvt Ltd, Arakunnam, Kochi, on November 18, 2022. Aptiv is a US-based multinational corporation with its head office in Ireland. Aptiv is engaged in manufacturing products for advanced safety & user experience, connection systems, and electrical distribution systems.

The students visited the factory and were given an overview of the lean management system and APTIV's position in the world market. They had interactions with the GM, Mr. Harish Menon, the HR manager Mr. Sreelal, and the plant manager, Mr. Raj Singh.

The students visited the Engineering Lab, where they saw the rigorous testing of the finished goods, and the machining rooms equipped with CNC Machines performing tasks such as milling, grinding, electrical discharge machining, etc. The students got the opportunity to view the automated process of producing connectors for airbag and braking systems, numerous robotic manipulators, and gantry robots that aided in pick and place movement.



Introducing Robotics Society to our Campus

We are happy to announce that The Robotic Society of India has approved to start **The Robotics Society (TRS) student chapter** at our college. This student chapter shall care for mentoring the interested students via student's networking and also for promoting knowledge sharing activities in the area of Robotics.

Toc H INSTITUTE OF SCIENCE & TECHNOLOGY

RSI Robotics Society of India

Introducing Robotics Society to Campus Life

IEEE

SAEINDIA ASME CII

Toc H Kochi STUDENT PROGRESSION THROUGH PROFESSIONAL SOCIETY ASSOCIATIONS

Session with MIT-WPU “ROBOCON TECH TEAM”

Department of Electronics organized an Interactive Session with **MIT World Peace University Robocon Tech Team** on August 18, 2021 at 4 pm. MIT-WPU ROBOCON Tech Team has been one of the leading teams at Robocon India and the only Indian Team to reach 5th position at International Robocon.

MIT-WPU

Toc H INSTITUTE OF SCIENCE & TECHNOLOGY

An interactive session with **MIT-WPU "ROBOCON TECH TEAM"**

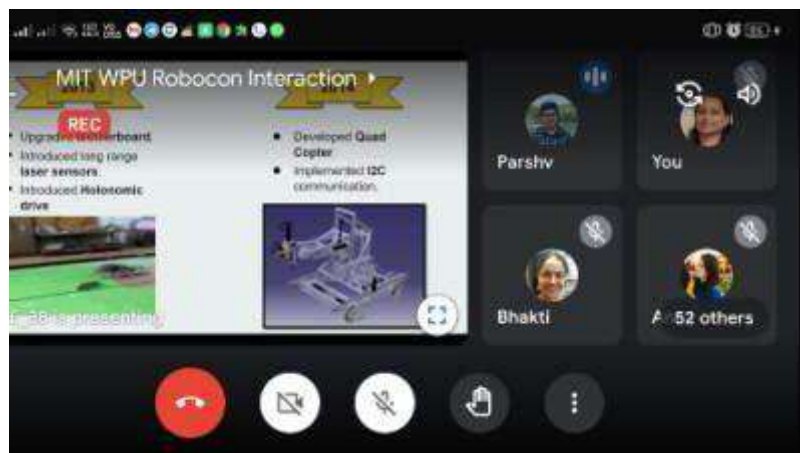
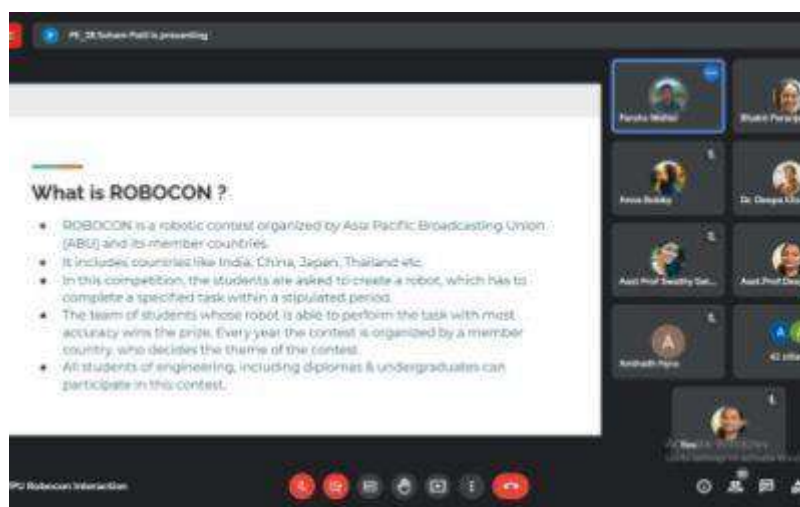
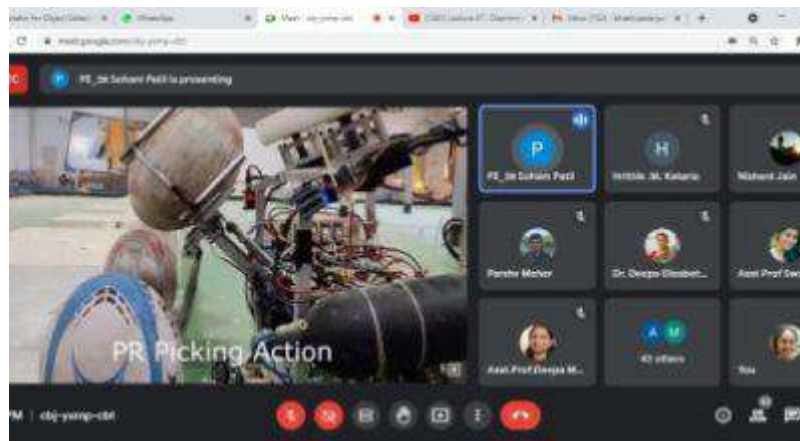
"Winners of Robocon India 2020"

"Team India in ASU Robocon 2020, Fiji"

18th August 2021
4 pm to 5.30 pm

Organized by DEPARTMENT OF ELECTRONICS

TocH Kochi



ART OF LIVING COVID CARE PROGRAM – An Online guided workshop

The art of living covid care program was organized by Department of electronics in association with ELECTRAA and TIST Women’s cell for the semester one students of electronics and robotics batch from 3/6/2021 – 5/6/2021.

During the COVID times, India is faced with one of its biggest challenges. To support people’s mental and physical health at this crucial time, The Art of Living launched an essential series of 3 protocols of asanas, meditation and breathing practices or

pranayama to boost their immunity, lung capacity, improve their mental resilience and bring a semblance of quiet and peace.

The online guided workshop was conducted by Mr. Anantha Narayan, an experienced trainer. The workshop was attended by 48 students who had volunteered for the programme. The students found it extremely useful and relaxing.





Webinar on Control Systems on Board Advanced Military Platform

Control systems on board advanced military platform was organised by the Department of Electronics in association with ELCTRAA & IETE on 19th June, 2021 via Google meet. The resource person of the event was Lieutenant Commander Saumitra Sharma, who has been serving the Indian Navy for the past 9 years. He looks after the controls and systems on board indigenised platforms of the Indian Navy. He discussed to the audience about motion controlled system with the simplest examples of a washing machine and building the topic to talk about companies like Tesla. The event helped the students in gaining insights about how the control systems work in ships and submarines. In addition topics like artificial intelligence, automation using various techniques and distributed control systems were also included. There were a total of 100 participants. The Questions and doubts from the students were well explained by the speaker

