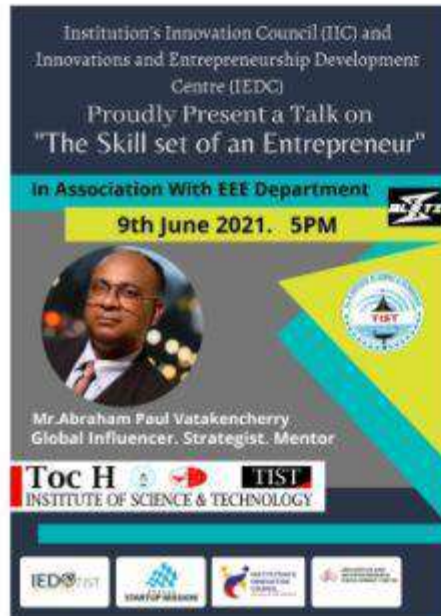


ACADEMIC YEAR 2021 – 22

TALK ON THE SKILL SET OF AN ENTREPRENEUR

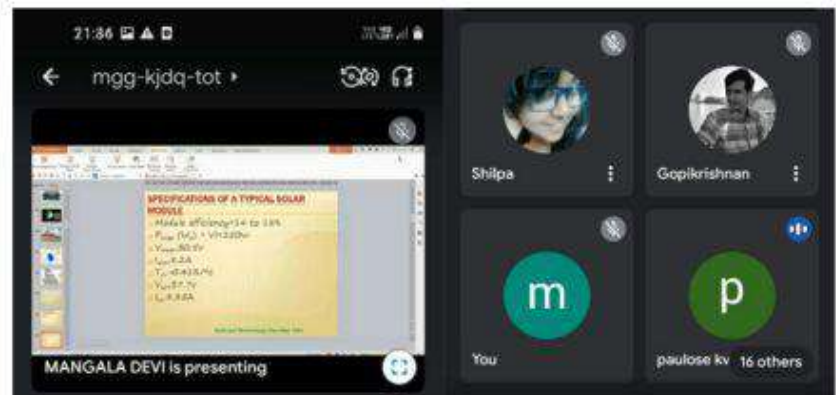


On 9th June 2021, IIC and IEDC of Toc H Institute of Science and Technology Ernakulam, in Association with BLITZ, EEE Department, TIST organized a talk on “The Skill Set of an Entrepreneur”. Mr. Abraham Paul Vatakencherry, (Global Influencer, Strategist, and Mentor) was the resource person. A total of 10 faculties

and 36 students from the EEE department benefitted from this session.

TALK ON GRID TIED SOLAR POWER SYSTEM – INSTALLATION & OTHER TECHNICAL DETAILS

On 24th July 2021 Department of Electrical & Electronics Engineering, TIST organized a webinar on the topic “Grid Tied Solar Power System – Installation & Other Technical Details”. Mr.



Paulose K V, Retd. Asst. Executive Engineer, KSEB was the resource person. A total of 18 students and 3 faculty members attended the session.

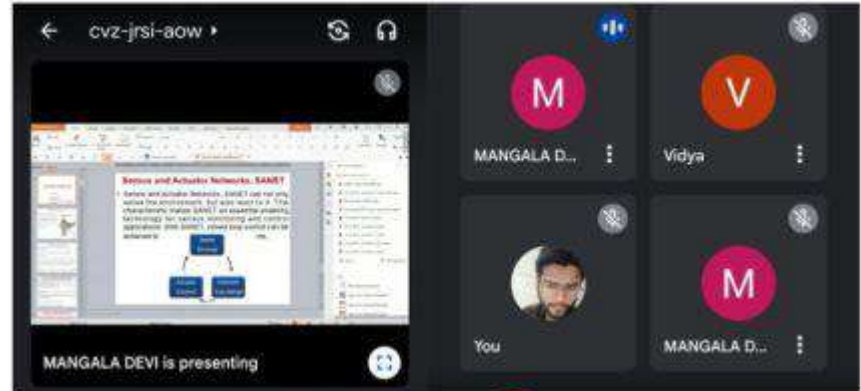
TALK ON INDUSTRIAL ELECTRIFICATION DESIGN, PROTECTION & SAFETY



On 28th July 2021 Department of Electrical & Electronics Engineering, TIST organized a webinar on the topic “**Industrial Electrification Design Protection & Safety**”. Mr. K J Saju (President & MD, HELSA Electricals, Kochi) was the resource person. A total of 18 students attended the session.

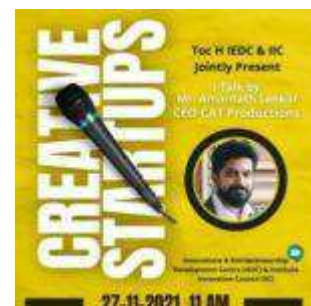
TALK ON “INTRODUCTION TO SMART GRID”

On 19th October 2021 Asst. Prof. Mangaladevi K T gave a talk on “Introduction to Smart Grid” for s2 M. Tech Power Electronics students on 19/10/2021 via google meet.



TALK ABOUT CREATIVE STARTUPS

S1 EL & EEE students participated in the talk “Creative Startups” by Mr. Amarnath Sankar, CEO CAT productions, organized by IEDC & IIC Toc H on 27th November 2021



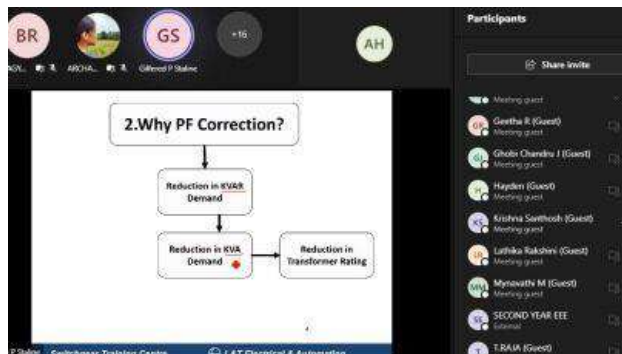
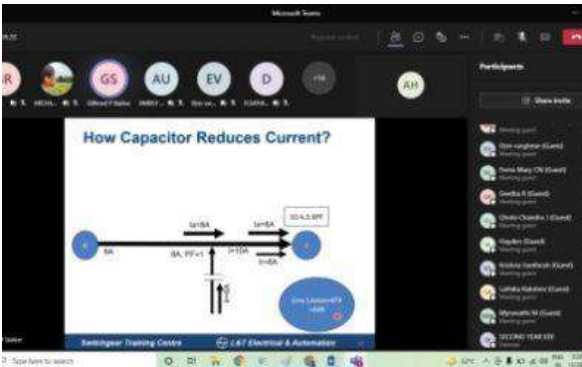
TALK ON INTRODUCTION TO ELECTRIC VEHICLE

On 3rd November 2021 Mr. Prasanth Pathiyil, Technical Expert & Lead CoE Electrification, Robert Bosch gave lecture on “Introduction to Electric Vehicle” via online platform MS Teams. A total of 24 students (S7 EEE, 2018 Admission) and 4 faculties attended the session which was held in Telepresence Lab. The session gave an idea on Need of Electric Vehicle, Its History, Overview of Electric Vehicle & its battery unit, and different topologies of Electric Vehicle.



WEBINAR ON INTRODUCTION TO POWER FACTOR CORRECTION

S1 and S3 students of EE and EL branches participated in the webinar on “Introduction to power factor correction” conducted by the L&T switchgear training centre, Coonoor on 28th December 2021.



TALK ON ELECTRICAL SAFETY AUDIT

Dept of EEE students and Dept. of SFE students had attended a meeting with the National Safety Council members and Electrical Inspectorate officials on May 20th 2020. The topic was the Electrical Safety audit. Shri Sunny Mathew, Deputy Chief Electrical Inspector, Ernakulam had addressed the audience on this occasion.



TALK ON SCHEDULE AND MARKET OPERATION BY STATE LOAD DISPATCH CENTER

On 3rd June 2022, Ms. Gertrude K.G Assistant Executive Engineer (Market and Operation), Load Dispatch Center, Kalamassery, gave a talk on the topic ‘Schedule and Market Operation by State Load Dispatch Center, Kerala’. The session gave an insight to the students on how the load dispatch center is able to ensure continuity and quality of power supply to the consumers. A total of 61 students from EEE and 27 students from EL attended the session.



INTRODUCTORY TALK ON ELECTRICAL SAFETY AUDIT

On 14th June 2022 an Introductory talk on Electrical Safety Audit was given by Dr. Ramesh V M, Honorary Secretary, National Safety Council for EE & EL 2021 Admission and EE & EL 2020 Admission. A total of 21 students from EEE and 27 students from EL attended the session.



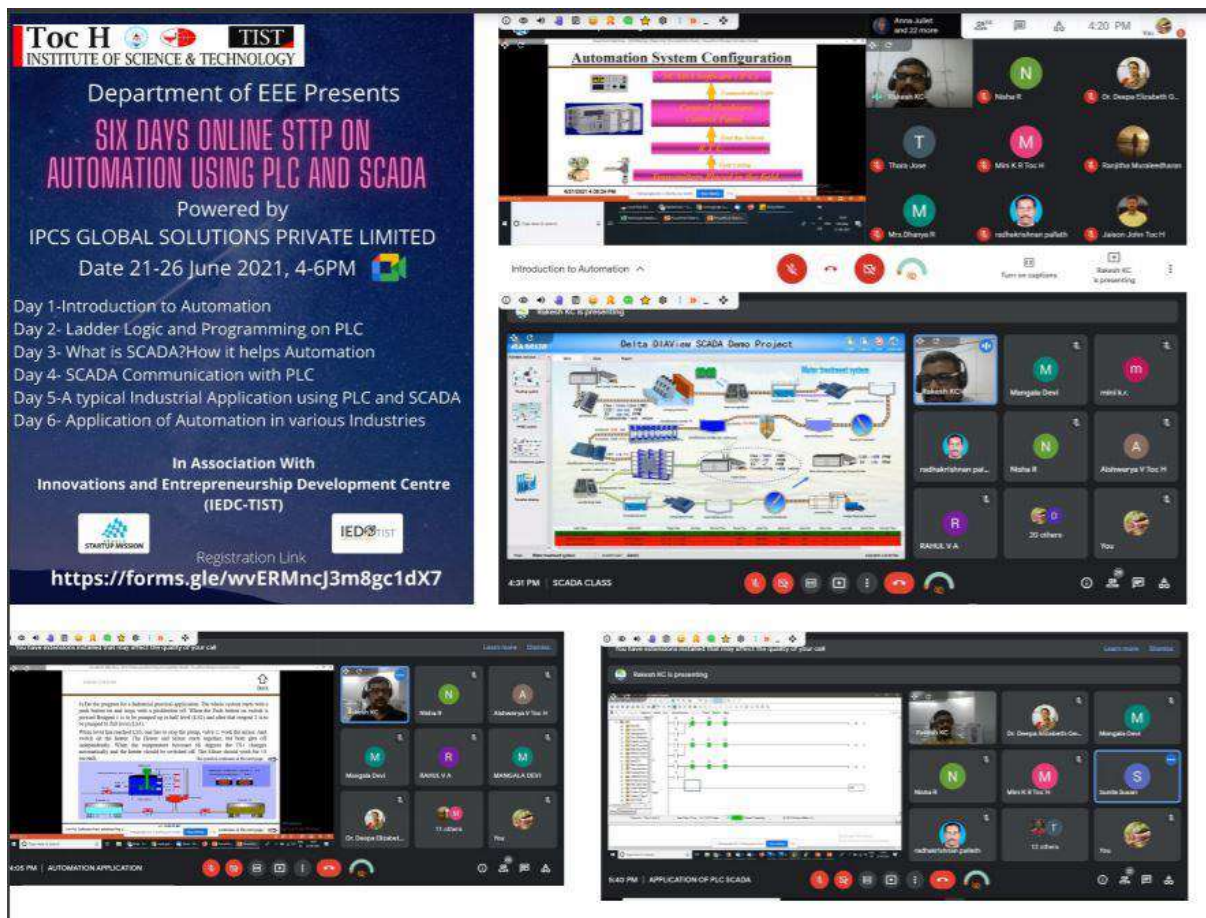
AWARENESS PROGRAMME ON IIC AND ENTREPRENEURSHIP SKILL DEVELOPMENT

On 16th June 2022 Toc H IIC organized an awareness program on ‘IIC and Entrepreneurship Skill Development’. The Department IIC faculty Coordinators Asst. Prof. Aishwarya V and Asst. Prof. Aparna S Nair addressed the EL& EE 2020 and EL & EE 2021 Admission students. A total of 21 students from EEE and 27 students from EL attended the session



SIX DAY ONLINE SHORT-TERM TRAINING PROGRAMME ON AUTOMATION USING PLC AND SCADA

Department of Electrical and Electronics Engineering in association with IEDC, TIST organised a 6 – Day online STTP on “Automation Using PLC and SCADA” which was conducted by IPCS Global Solutions Private Limited from 21st June 2021 to 26th June 2021. A total of 24 faculties, 10 students and one from industry attended the session.



Different topics included in this training programme were:

- Day 1 : Introduction to Automation
- Day 2 : Ladder Logic and Programming on PLC
- Day 3 : What is SCADA and how it helps automation.
- Day 4 : SCADA communication with PLC
- Day 5 : Industrial Application using PLC and SCADA
- Day 6 : Application of automation in various industries.

3-DAYS HANDS-ON WORKSHOP ON “INNOVATIVE PRODUCT DEVELOPMENT USING ARDUINO”

Department of Electrical and Electronics Engineering in association with IEDC, TIST organised a 3- Day hands on Workshop on “Innovative Product Development Using Arduino” which was handled by Mr. Lawrence Noel A. J, Embedded System Engineer, Comlift Hydraulics Pvt. Ltd. during 18-20th November 2021. A total of 27 participants including 15 students attended the session.



This 3 day hands-on Workshop helped faculty and students to understand the key concepts and logic behind programming using ARDUINO. Day 1 of the workshop focussed on the basic concepts of ARDUINO and its programming. Day 2 of the workshop emphasised the design and hands-on implementation of various types of water-level controllers, whereas the Day 3 focussed on the design and implementation of open-loop and closed-loop DC/DC converters for power electronics applications