



Department of EEE
Academic Year 2021-22 (Odd)
Internal Webinar Report on “Industrial Automation”

Date: 23.10.2021

Department of EEE has organized internal webinar on “Industrial Automation” for second, third and final year EEE students on 23.10.2021. The main objectives of internal webinar were to enable the students to explore current and future trends including IoT and Digital manufacturing in the manufacturing industry and process automation.

Title: Industrial Automation

Date: 23.10.2021

Platform: Google Meet

Google Meet Link: <http://meet.google.com/kkc-vxmn-tkb>

Beneficiary: 50

Resource Person: Mr.S.R.Karthikeyan, AP/EEE, KCE

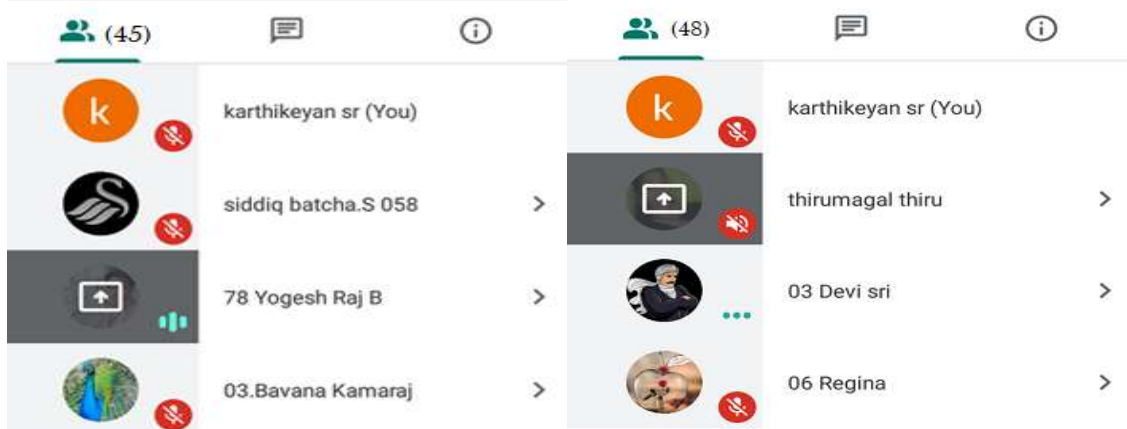
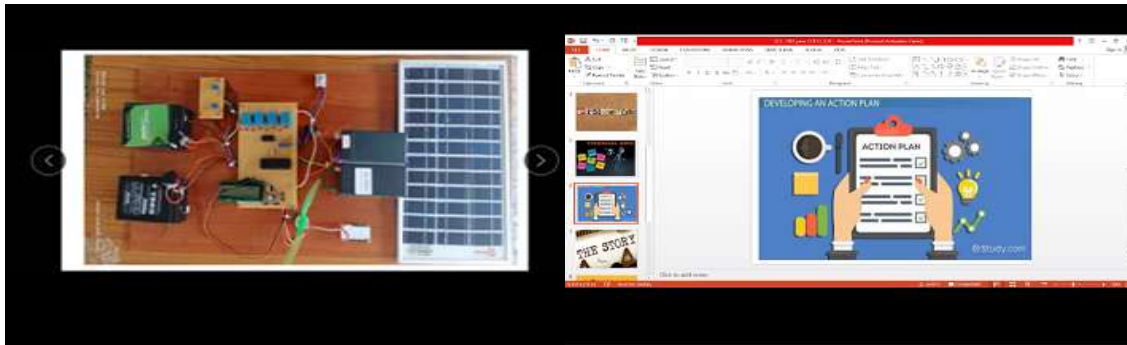
The points were discussed during the session:

- This webinar was highlight visionary voices to explore how automation can be used to accelerate human achievement.
- Industrial automation and its type
 - Fixed Automation
 - Programmable Automation
 - Flexible Automation
 - Integrated Automation
- Some of the examples of automated industrial processes
 - Packaging and material handling
 - Quality control and inspection
 - Metal fabrication, machining, welding, cutting, cladding etc

- Food and beverage processing
- Planning and decision making
- Importance of industrial automation
- Role of PLC
- Hierarchy of industrial automation

The model is typically expressed as:

- Level 5 - Business Systems
- Level 4 - Plant Level (ERP, MRP, and MES)
- Level 3 - Operation Unit Level
- Level 2 - Machine/Process Automation Level
- Level 1 - Controller Level
- Level 0 - Sensor/Actuator Level Existing automation systems generally reflect this architecture with software
- The leading industrial automation job types
 - Industrial Automation Technician
 - Field Systems Engineer
 - Industrial Automation Engineer
 - Industrial Automation Sales Engineer



Snap shot from webinar on “Industrial Automation”

Conclusion:

Industrial automation has recently found more and more acceptance from various industries because of its huge benefits, such as, increased productivity, quality and safety at low costs. This webinar had educated the students about importance of industrial automation in technical orientation.

Feedback Analyse:

