



Government of Pakistan
(Ministry of Science & Technology)



Institute of Industrial Electronics Engineering

Pakistan Council of Scientific & Industrial Research (PC SIR)

October 6, 2021

Invitation

Final Year Project Demo and 5th IAB Meeting

Respected Members,

Final Year Project Committee has arranged a demo and display of final year projects of Batch 29 on **Thursday 14th October 2020 at 10:30 am.**

The list of the projects is as follow

1. Real Time Speed Control and Monitoring of AC/DC Electrical Machine with Virtual Instrumentation Interfaces.
2. Automation & Control of Natural Gas fired Annealing Furnace at Peoples Steel Mills Limited, Karachi.
3. Cryptography of Voice for secured Communication using FPGA.
4. Vision Assisted Pick & Place Autonomous Mobile Manipulator
5. Development of Electronic Drive for BLDC Motor with Graphical User Interface
6. Development and Clinical Diagnostics of Ophthalmic Imaging Modalities based on Deep Learning System.
7. AI Based Smart Face Mask Detection & Body Temperature Sensing System For COVID-19.
8. IoT based Crop Monitoring and Analysis (SUPARCO)
9. Cloud based Monitoring and Control of Industrial Parameters with Internet of Things.
10. Virtual Reality based Telepresence Robot.
11. Design and development of a line following Robot Guided by Pixel Values of a camera using FPGA
12. Robotic Manipulation Through Reinforcement Learning in ROS (SUPARCO)

You are invited at this event for motivation of our students and as well as guideline for their carrier aspects

In continuation at **12:30 pm (same day) a short meeting of IAB** will be conducted for the projects of next coming batch

Engr. Asif Ahmed Memon
(Lecturer)
(Secretary OBE Cell)