DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Report on

Implementation of Industry 4.0 & its Challenges

The Department of Electrical & Electronics Engineering, New Horizon College of Engineering organized Faculty development program on "Implementation of Industry 4.0 & its Challenges" The rise of digital industrial technology, known as Industry 4.0, has transformed the machines and IT systems that are connected in the value chain.

The objective of the Faculty Development Program (FDP) is to provide exposure to Industry 4.0 concepts which revolutionize the boundaries between virtual reality and the real world.

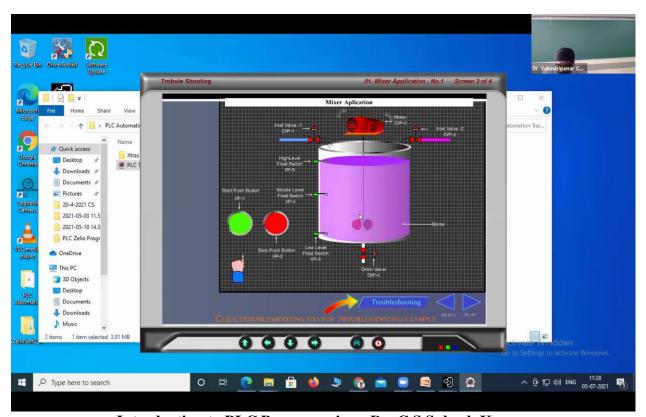
This concept incorporates interdisciplinary knowledge in artificial intelligence, machine learning, sensors and actuators, cloud computing, cognitive computing and Internet of Things.

Throughout this FDP, the participants have got holistic information on various disciplines and their contributions, in realizing the concept of Industry 4.0. The recent trends in technological developments that form the building blocks of Industry 4.0 will be covered in detail.

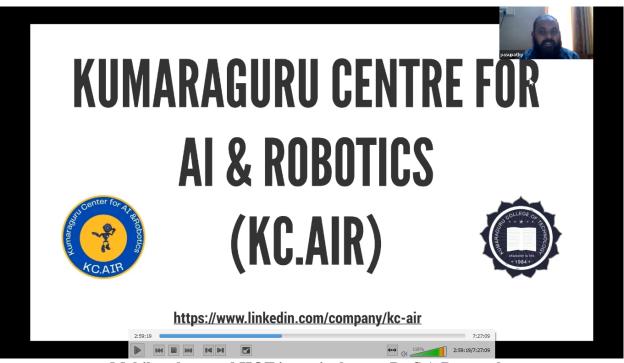
The design principles, challenge and the future of employment will also be addressed in the FDP.

SESSION IMAGES





Introduction to PLC Programming - Dr. C S Subash Kumar



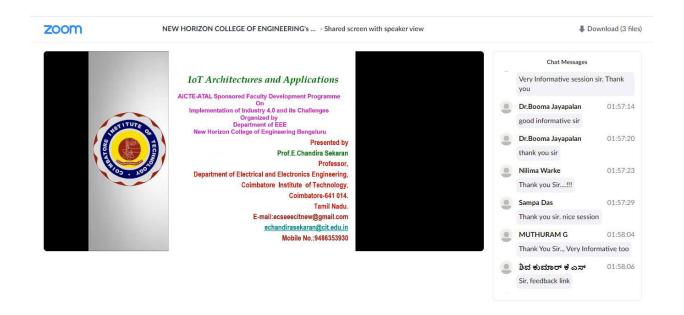
Mobile robots and HOT in agriculture - Dr.S.A.Pasupathy



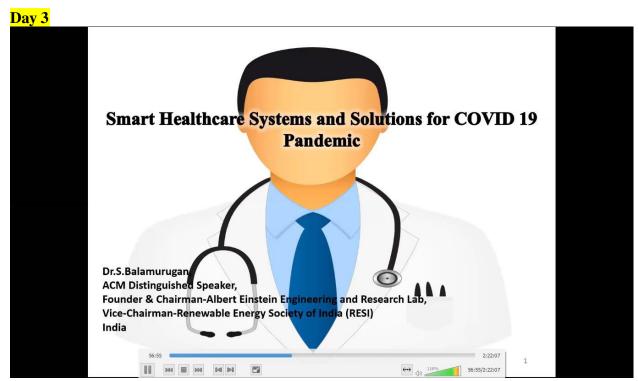
Industrial Automation - structures & Techologies - Mr.P.Amit Rao



Electric Vehicles Automotive Electronics - Dr. V Karthikeyam



IOT Architectures and Applications - Prof. Chandira Sekaran



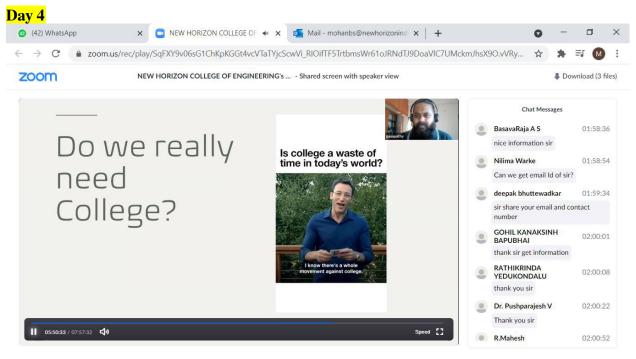
Health Care and Industry 4.0 - Dr.S.Balamurugan



Industrial Application of Advanced Control System and Optimization - Mr.H.Pratheesh



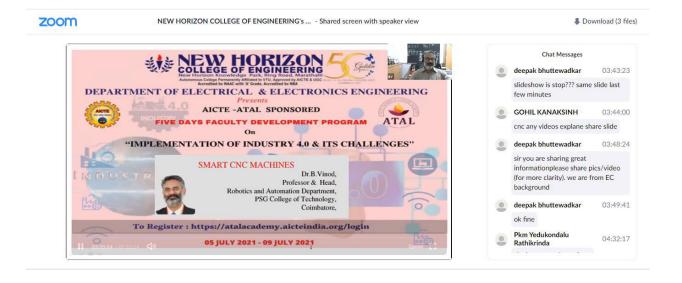
Smart Sensors, Challenges and Digital transformation - Dr.Manikandan



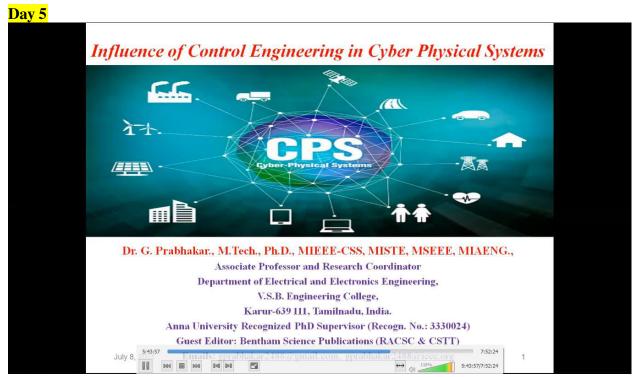
Core Skills for Teachers- Dr.S.A.Pasupathy



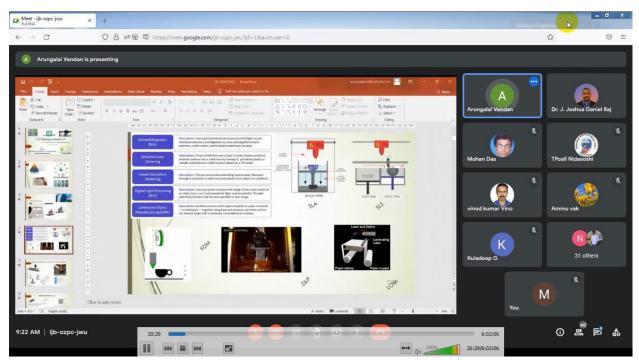
Building Automation - Dr.G.Manavaalan



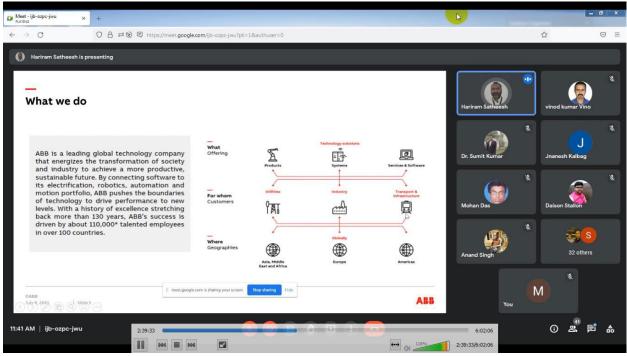
Smart CNC Machines - Dr.B.Vinod



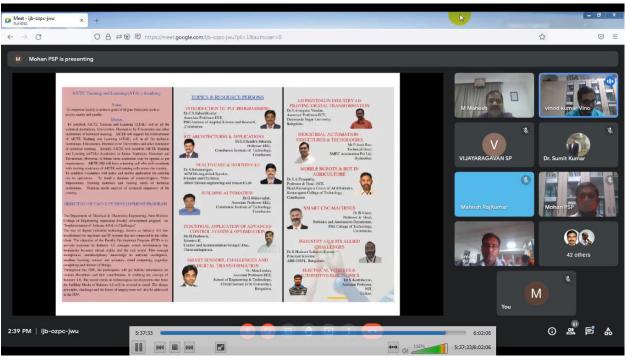
Influence of Control Engineering in Cyber Physical Systems - Dr.G.Prabhakar



3D Printing in Industry 4.0- Piloting Digital Transformation - Dr.S.Arungalai Vendan



Industry 4.0 and its Allied Challenges - Dr.B.Hariram Satheesh Kumar



Vote of Thanks