

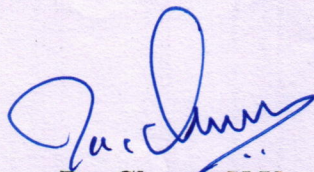
Curriculum for Basics on IoT Course

- Introduction to Internet of Things and Architecture Sensors
- actuators & Interfacing
- IoT Data Link Layer protocols & IoT Network Layer Protocols
- IoT devices, protocols
- dashboard automation using Node Red Simulation
- IoT automation using Node Red simulation through nodes
- MQTT broker and UI Display
- Arduino board and its functions
- Hands on Training using Tinker card- Arduino Programming and Sensors interfacing
- Internet of Things – Cloud Integration
- Industrial 4.0 with additive manufacturing
- Industrial IoT challenges
- Applied Deep Learning for IoT Big Data and Streaming Analytics for Design Optimization of Electrical Vehicle
- Hands on Session for IoT application using open source tool

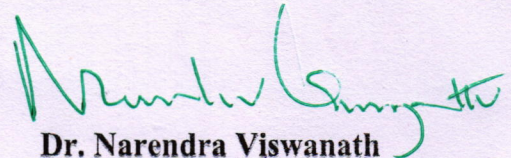
Assessment: -

Minimum 80% attendance

Minimum 80% Participation in Hands-On training



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