

O.Plan No.	ICT-71
Name of Course	IoT in Manufacturing
Objectives	This course will enable the students to understand the transformation taking place, throughout the world, in design and manufacturing of products through IoT - a shift from paper-based processes to digital processes in the manufacturing industry. It will introduce the hands on implementation of smart connected systems design using Internet of Things, Cloud storage and industrial automation. Students can able to design the smart connected systems and can apply the appropriate technologies and protocols in their design and automation.
Course Contents	<ul style="list-style-type: none"> • Introduction to Microcontrollers and Sensors. • I/O control interface programming. • Communication protocol implementation and testing using Microcontroller. • Configuring Wired/Wireless network interface to Microcontroller and programming • Configuring cloud database management and accessing • Sensors, Gateway and Cloud interface • Data analysis from cloud and reporting
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