## COURSE DETAILS

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| The course will cover following topics: * Introduction to IoT and its application in Healthcare
* Introduction to Healthcare Solutions and Hospital Workflows: Inpatient, Outpatient, Emergency, Ambulatory etc.
* IoT Architecture and Enabling Technologies
* Basics of Sensors, Actuators, Networking, and Cloud Computing
* IoT Devices: Hardware and Software
* Programming language (C and Python) basics

Practical * Introduction to the Raspberry-Pi platform, and the Arduino environment for programming
* Python programming for Raspberry- Pi platform
* C programming for Arduino platform
* Integrating sensors with Raspberry-Pi and Arduino; Programming the devices (C and Python), and connecting the devices to the Internet
* Development of Smart solutions for Healthcare applications
	+ Remote Vital Sign monitoring
	+ Remote Rehabilitation Monitoring
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