## 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 |