

**Duration : 60 Hrs**

## **IoT using Java**

- ❖ Getting Started with Internet of Things
- ❖ Setting Up Development Environment for IoT
- ❖ Getting started - Java, Java ME, NetBeans 8.1 IDE ,Python
- ❖ Basic of Electronics, Raspberry Pi and sensors
- ❖ Setting Up Software Components on Raspberry Pi
- ❖ Deep Dive into Java ME8 and RaspberryPi For IoT
- ❖ Building Java ME IMlets Programs for IoT
- ❖ Digital and Analog Sensors
- ❖ Communication Pattern and Protocols
- ❖ CLDC Overview
- ❖ Accessing Sensors by Using the Device Access API
- ❖ Using the Logging API
- ❖ Generic Connection Framework (GCF)
- ❖ Application Management System (AMS)
- ❖ Storing Data by Using the Record Management System
- ❖ Security Measures used in IOT
- ❖ IoT Architecture
- ❖ Cloud Overview

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