Course Syllabus

**Embedded Programming**
1. Introduction to Internet of Things
2. ARM-based Embedded System Design
3. ARM Cortex-M Processor – Part 1
4. ARM Cortex-M Processor – Part 2
5. Interrupt and Power Consumption
6. Embedded Programming using mbed

**Mobile Computing**
7. ARMv7 Architecture
8. ARM Cortex-A9 processors
9. Smartphones and Appcessory Programming

**Network Connectivity**
10. Bluetooth Smart Connectivity
11. Programming BLE using mbed SDK

**Cloud Computing**
12. Connecting Things to the Cloud
13. System Integration