**Internet of Things (IoT) Syllabus**

**Python and C programming**

1. Basic embedded c programming
2. Introduction to Python Programming

**Fundamentals of IoT and WSN**

1. Introduction to the concept of IoT
2. Sensors and transducers
3. Understanding Microcontrollers and SBC (Single Board Computers)
4. Basics of Wireless Sensor Networks (WSN)

**IoT Protocols & Networking Fundamentals**

1. Introduction to data protocols

 **IoT (Internet of Things) Application Development-part A\***

1. Basics of Android Mobile application Development
2. Arduino Based Embedded Application Development

 **IoT (Internet of Things) Application Development-part B\***

1. Basics of Android Mobile application Development
2. Raspberry Pi Based Embedded Application Development

**Cloud Computing & Data Management**

1. Introduction to SaaS, PaaS and IaaS
2. Basics of AWS

**Project**

 **\*Student can opt either Part A or Part B**