IoT in Embedded Systems:

1) **Introduction to the Internet of Things**
   a. **What is IoT?**
   b. **IoT Applications in different domain**
   c. **How large is the IoT Market in different domains**
2) **Introduction to Embedded Systems and Applications**
   a. **Automotive**
   b. **Aerospace**
   c. **Medical Electronics**
   d. **Consumer Electronics**
3) **ARM Architecture and Embedded C Programming**
   a. **Introduction to ARM Architecture**
   b. **Embedded C Programming**
   c. **Interfacing with ARM board**
   d. **Embedded Sensors**
4) **IoT Architecture and Protocols**
   a. **Software Components**
   b. **Wired connectivity and technologies**
   c. **Wireless connectivity and technologies**
   d. **Machine to Machine Communication**
5) **Python Scripting Language**
6) **Implementing Internet of Things using MQTT**
7) **Implementing IoT based Health Care System**
8) **Sensors, Wearables and Internet of Things**