

Topics for End Semester

1. Introduction to IoT, IoT Definition and Characteristics, Things in IoT, IoT Complete Architectural Stack, IoT enabling Technologies, IoT Challenges
2. Protocols for IoT:MQTT, CoAP, webscoket, http, https
3. Cloud and Data Analytics: AWS for IoT, adafruit, fog and edge computing
4. RFM for Data Analytics
5. Case study : smart Health Care, Smart Home, Smart Transportation, smart city, smart irrigation system, smart supply chain
6. Program: read and write analog, digital sensor, mqtt demo adafruit.

Self-Study Portion

1. Wi-Fi, BLE, Li-Fi, ZigBee
2. Infrastructure protocol IPV4/V6