Assignment 1

1. Explain Bluetooth core protocols in detail.
2. What are the recommendations of P2143 architectural framework?
3. What is the role of service discovery protocol
4. List the characteristics , range, data transfer rate, three operational modes and two communication modes of NFC communication
5. What do you mean by M2M?
6. What are the software needs in a communication module in IOT applications
7. How do the WLAN 802.11a,b,g and n differ?
8. Explain when each of the following should be used NFC, BT LE, ZigBee IP and Wi-Fi
9. Explain three modes of communications for NFC.
10. Explain adapted protocols for Bluetooth
11. Explain RFID.
12. Write two technological challenges of IOT?
13. Why is the gateway necessary in a communication framework for IOT and M2M applications and services?
14. Explain any two layers of ITU-T reference model.
15. What is the technology stack behind IOT?
16. How does the Bluetooth layer provide confidentiality and authorisation?
17. Explain architecture and components of M2M.
18. What are the three architectural domain functionalities in M2M architecture?
19. Explain ETSI M2M domain architecture in detail.
20. Explain the working of cellular network.