Lecture Plan of IoT (COCSC20)

Lecture No.	Topic
Lecture 1	Introduction to Course
Lecture 2	Introduction of IoT
Lecture 3	Applications of IoT
Lecture 4	IoT Evolution
Lecture 5	Embedded Systems
Lecture 6	Human Computer Interface in IoT
Lecture 7	Introduction to Sensor, Types, Actuator
Lecture 8	IoT System Architecture and Standards
Lecture 9	Network Basics
Lecture 10	IoT Proposed Architecture
Lecture 11	Cloud Vs Fog Vs Edge
Lecture 12	IoT Gateway
Lecture 13	Introduction to IoT Protocol, HTTP, REST
Lecture 14	MQTT Protocol
Lecture 15	SMQTT Protocol, COAP Protocol
Lecture 16	AMQP Protocol, XMPP Protocol
Lecture 17	RFID
Lecture 18	3GPP, NB-IoT
Lecture 19	ZigBee
Lecture 20	IEEE802.15.4, ISA 100, Z-Wave
Lecture 21	6LoWPAN, Lora WAN and Reference Model
Lecture 22	Integration of device using Lora wan
Lecture 23	Security In Lora WAN
Lecture 24	Machine to Machine Communication, Interopeability
Lecture 25	SDN in IoT, origin, evolution
Lecture 26	SDN for WSN
Lecture 27	Mobile Adhoc Networks
Lecture 28	UAV Networks
Lecture 29	Drones Assembly
Lecture 30	Body Area Sensor Networks
Lecture 31	Cloud for IoT
Lecture 32	IoT Case Studies: Healthcare
Lecture 33	IoT Case Studies: Transportation
Lecture 34	Fog And Edge Computing Architecture
Lecture 35	Flipped Learning, Expert Lectures
Lecture 36	IoT Security Challenges
Lecture 37	Attacks, types
Lecture 38	IoT Security Requirements
Lecture 39	AI in IoT
Lecture 40	Blockchain in IoT