Date : 18 April 2022 Introduction to IOT - IOT Block Diagram - IOT Architecture - What is MQTT (Message Query Telemetry Transport) - Communication Protocols - Publisher and Subscriber modules in MOTT - Single level wildcard (using + sign) - Multi Level wildcard (subscriber end, using # sign) - Quality of Service (QOS) levels in MQTT At most once (0) At least once (1) Exactly once (2) - Message Passing using Mosquitto PUB and Mosquitto SUB - Performed exercises for the same(Config.json and Publish.py file) Date : 19 April 2022 What is MongoDB - Introduction to MongoDB - Advantages of MongoDB - Different Terms of MongoDB like database, collections, documents. - MongoDB CLI commands like Show dbs Use <database name> Show collections db['<collection name>'].find() db['<collection name>'].drop() - Changed the port number for MQTT - MongoDB Compass - Created a new database in MongoDB compass GUI - Performed exercise on Mosquitto PUB & Mosquitto SUB - Created Config sub.json and Subscriber.py files to perform that task Topic: IOT Install MongoDB in ubuntu Functionality of MongoDB Connect MongoDB to the MQTT Date : 20/04/2022 Topic: IOT Install curl Install code-red Use of code-red connect code-red with MQTT using pub and sub

Date: 21/04/2022

Topic: IOT

Type of cloud

What is cloud computing

How to create IOT Hub on Azure

Device To Cloud & Cloud To Device Message Transfer

Date : 21/04/2022

Topic: IOT

Azure Storage Services

Blob File Table Queue

Containers

Azure Blob Storage Blob Container

Date : 25/04/2022

Topic: IOT

Device and Device Provisioning

Provisioning Process

Registration vs Provisioning

Features of the Device Provisioning Services (DPS)

X.509







