Date : 18 April 2022

file)

Introduction to IOT

* IOT Block Diagram
* IOT Architecture
* What is MQTT (Message Query Telemetry Transport)
* Communication Protocols
* Publisher and Subscriber modules in MQTT
* 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

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

What is cloud computing Type of cloud

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