SMART ELECTRIC VEHICLES MINOR

Experiment 8

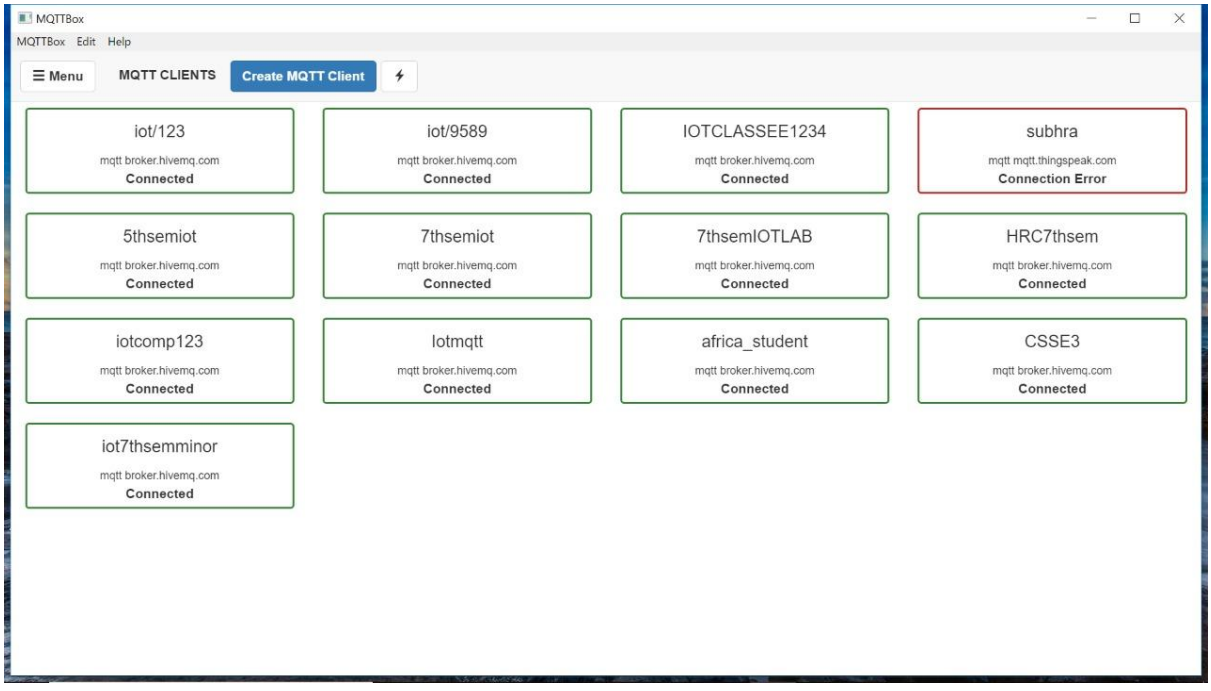
AIM: Write a program on ESP32/Raspberry Pi to publish DHT11 data through MQTT protocol.

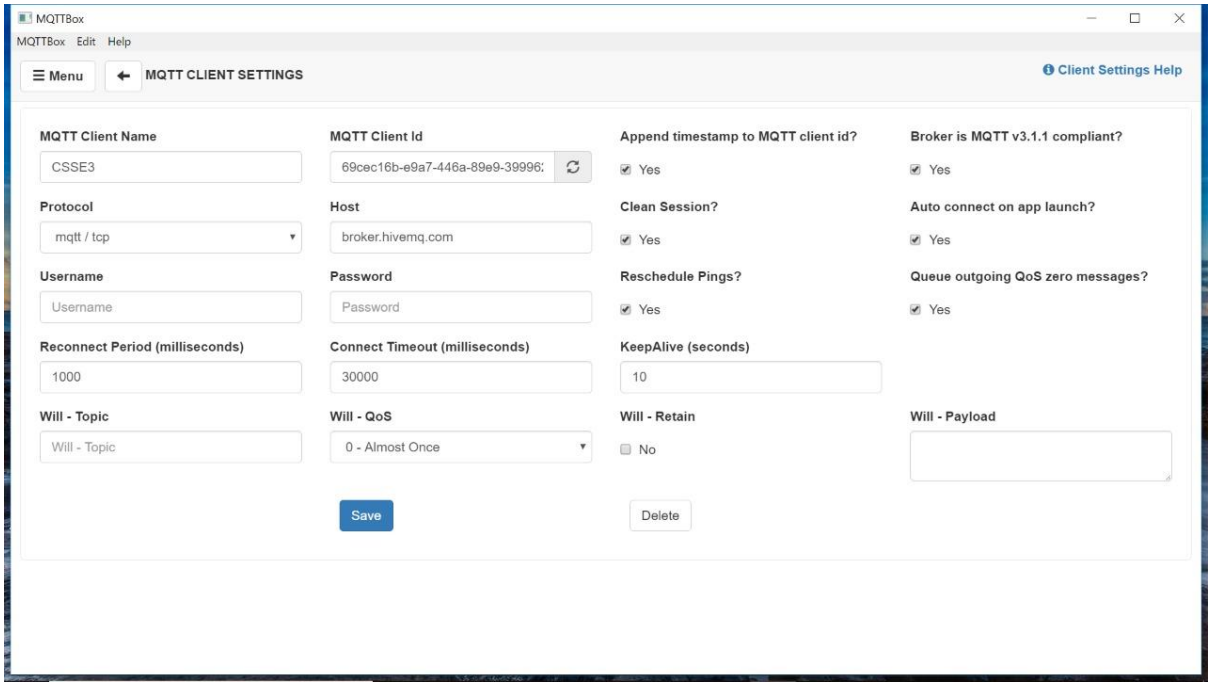
OBJECTIVE: To write a code to publish DHT11 data through MQTT protocol.

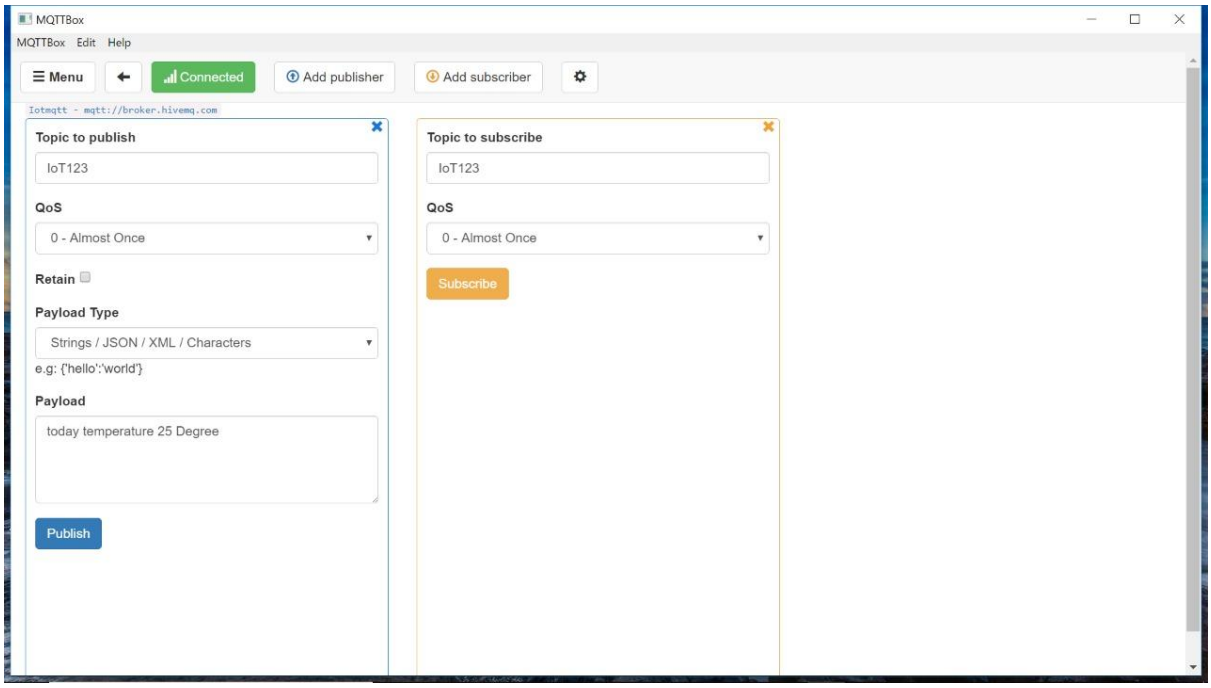
THEORY:

MQTT is a lightweight, publish-subscribe, machine to machine network protocol for Message queue/Message queuing service. It is designed for connections with remote locations that have devices with resource constraints or limited network bandwidth.

RESULT:







CONCLUSION: After performing this experiment we were able to publish DHT11 data through MQTT protocol.

NAME: SAGAR KUMAR

ROLL NO: 1926006

SESSION: 2022-23