Project Report!

College: SNS College Of Engineering, Coimbatore

Batch: **B6-6M2E**

Members: Sanjay

Surya

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Training Report:

Day-1:-

Introductions to IoT, The fundamentals of IoT was been handled during the session. About What is IoT and Industrial IoT.

The architecture and applications of IoT and the industrial applications used, Design of an IoT device and its benefits.

Day-2:-

Details explanation of the IoT architecture, Arduino introduction and its development environment.

Tinkercad software was introduced and hands-on session were held. By using python language the traffic light application was simulated.

Day-3:-

Again Tinkercad was used to simulate the temperature sensor following with Fluffy-Albar and Happy birthday music.

Day-4:-

Network connectivity, Bluetooth mode. Various mode Bluetooth mode and its application.

Difference between Bluetooth and Bluetooth Low Energy. Zigbee communication one of IEEE802.15.4 and its device types. Wi-Fi network. Radio Frequencies communication.

Day-5:-

Using Python language and its integrated development environment.

Day-6:-

Operators in python and its related programs execution.

Loops in python and its related program execution.

Day-7:-:-

Modules in python. And introduction to ESP32 Dev Kit.

Day-8:-

Introduction to Raspberry pi and hands-on session using MIT App Inverter simulator and performing app development of time.

Day-9:-

Resuming with the MIT App Inverter simulator completing the app. And introduction to the Cloud Computing and its services.

Day-10:-

Creating an IBM IoT platform. NodeRed services.

Day-11:-

Continuation of NodeRed services.

Day-12:-

Using the NodeRed into the MIT App Inverter simulator.

Day-13:-

Quick recap and Assignment.

Day-14:-

Final summary of training.