Assignments

Nishanth.K

(Assignment-01)

Smart home automation with 2 Sensors using tinkercad

(Assignment-02)

Using python code to get Temperature & Humidity values reading

(Assignment-03)

Using python code for Blinking LED & Traffic Lights with Raspberry pi

(Assignment-04)

Using wokvi for the ultrasonic sensor &IBM cloud platform for output.

Vijei.R

(Assignment-01)

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Citybabu.M

(Assignment-01)

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Dhinakaran.S

(Assignment-01)

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Project Design & Planning

Ideation Phase
- Empathy Map
- Brainstrom Idea

Project Design Phase-1
- Problem sollution fit
- Proposed solution template
- Solution Architecture

Project Design Phase-2
- Solution requirements
- Data flow diagram& user stories
- Customer Journey Map

Project Planning
- Milestone & Activity list
- Sprint delivery Map

Project Development Phase

Sprint-1

Create the IBM Cloud services which are being used in this project.

Configure the IBM Cloud services which are being used in completing this project.

IBM Watson IoT platform acts as the mediator to connect the web application to IoT devices, so create the IBM Watson IoT platform.

In order to connect the IoT device to the IBM cloud, create a device in the IBM Watson IoT platform and get the device credentials.

Sprint-2

Configure the connection security and create API keys that are used in the Node -RED service for accessing the IBM IoT Platform.

Sprint-3

Develop a python script for publishing the location (latitude and longitude) data to the IBM IoT Platform and the other python code to read the QR Code and fetch the data from Cloudant DB.

Sprint-4

Develop the web application using Node-RED

Testing the Web UI by giving the required inputs