PROJECT SCOPE DOCUMENT

Project Description is We have to develope an app which gives us details related to farming like temperature, humidity , Soil moisture temperature & cloud details . So for that first we have to Created IBM cloud accont & then we have to connect with it Watson IOT platform . In IBM IOT Watson platform , we create devices which are required in developing app . Then by using the IBM IOt sensor simulator , providing details like org. Id , device type .etc. connect with device .

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways. We have to install it from google and then run it on command prompt . After that , Copy the URL and paste it to google . In that , by clicking on manage pallete we have to download required nodered from it . With the help of project team @durgaprasad sir , required changes made in node-red window . After deploying , Required information got in node-red Dashboard window .

Requirements : - IDLE Python 3.8.2

1. Project Summary

Smart Agriculture System is IOT based project which is used to monitor live weather data in th farm . IOT based farming is highly efficient when compared with conventail approach.

2. Project Requirement

Project needs ibm iot platform to build our application.

3. Functional Requirement

- IOT platform

  An IOT platform is a multi-layer technology that enables a strainghtforward provisioning and automation of connected devices within the Internet Of Things.

4. Technical Requirement

- Node red

  Node red is flow based editor so we will create some basic web application as per need.

5. Software Requirement

- Python IDLE

  It is integrated development environment to develop python code.

6. Project Team

It is an individual project guided by Durgaprasad. There is slack channel to post queries.

7. Project Shedule

It is four week project in which there are technical sessions twice per week.