PROJECT SCOPE

Project Name	Smart Agriculture system based on IoT
Project Manager	N. V. S. Aditya

Project Summary:

Implementation of Smart Agriculture System by using an IoT based device that can monitor soil moisture and live climatic conditions that helps to grow and yield a good crop.This system also allows farmers to maximize yields using minimum resources.

Project Requirements:

An IOT Based Application Using IBM Cloud Platform

- **Functional Requirements:**
  - IBM Cloud Account
  - Installed Node Red Locally
  - IBM Watson IoT Platform
  - Installed Python IDE
- **Technical Requirements:**
  - IBM Cloud Platform Knowledge
  - Python 3 Programming Language
  - Node Red IoT Knowledge
  - Web Development (For UI)
- **Software Requirements:**
  - Python IDE
  - Node Red
  - IBM Cloud
  - IBM Watson IoT
  - Weather API

Project Deliverables:

A User Friendly Web Application Where It Gives All The Required Information And Data That Is Needed By The Farmer And Can Monitor And Control Equipment Easily Like Motors.

Project Team:

- N.V.S. Aditya (Project Manager)
- Durga Prasad (Mentor)

Project Schedule:

Smart Agriculture system based on IoT (SPS_PRO_101) is a 4 week Project From 02-07-2020 To 01-08-2020

Milestones To Completed
Project Planning & Kickoff
Explore IBM Cloud Platform
Connect The IOT Simulator To Watson IOT Platform
Configure The Nodered To Get The Data From IBM IOT Platform And Open Weather API
Building A Web App
Configure Your Device To Receive The Data From The Web Application And Control Your Motors