Project Scope

Project title - **Smart Agriculture system based on IoT - SB43119**	Project Id - **SPS_PRO_101**
Company - **The Smartbridge**	Duration - **30 days**
Kickoff Date - **14-05-2020**	Estimated Completion - **14-06-2020**

- **Scope Desciption :-**

1. A smart agriculture system to monitor farm land weather and control motor pumps.
2. Setup of the smart agriculture system based on IoT.
3. understand the working of IBM cloud,Node-Reda and receiving data through API call.

- **Scope Deliverables :-**

1. An User Interface displaying temperature, humidity, soil temperature, pressure and wind speed of the farm land.
2. According to forecast farmers can irrigate the farm land.

- **Stake holders:-** The project is designed for the farmers, with the help of user interface they may gain their corps. By adding a large number of farmers with this interface, project could be success.

- **Project Member :- NITIN KUMAR PATEL**

- **Project Requirements : -**

1. IBM Cloud,Watson IoT platform,IoT IBM simulator sensor
2. Node-Red Flow editor
3. Python IDLE
4. Open weather API

➤ **Project Schedule**:-

Week 1	Project scope, schedule , team and deliverable, setup the Development Environment, creation of IBM cloud account
Week 2	Node-Red installation, python IDLE, connected IOT simulator to Watson IoT platform
Week 3	Configured the node red to get the data from IBM IoT platform and open weather API
Week 3	Built a web app, configured device to receive data from the web app and controlled motor

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