PROJECT SCOPE REPORT

Project ID	SPS_PRO_101
Project Title	Smart Agriculture system based on IoT
Internship Title	Smart Agriculture system based on IoT - SB36907
Date of Approval	19th May 2020
Project Summary	Smart Agriculture System based on IOT is a project that focuses on the advancement of the agricultural process by providing the farmers a mobile application using which they can monitor the temperature, humidity and soil moisture of the their farm along with live update of the weather conditions of the area and depending on that they can control the irrigation system (motor) of their farm.
Project Requirements	1. Monitor temperature 2. Monitor humidity 3. Monitor soil moisture 4. Live update of weather forecast 5. Operation of motor
Technical Requirements	1. Setting up temperature, humidity and soil moisture sensor in the farm. 2. Building an application to monitor the data from the sensor and controlling motor
Software Requirement	1. IBM cloud 2. Node-RED 3. Open weather API 4. IBM Watson IOT platform 5. Python IDLE
Project Deliverables	1. Project report 2. Project scope report 3. Web application 4. Python code
Project Schedule	1. This internship is of 4 weeks. 2. There were 5 working day in the internship. 3. Mentor sessions were scheduled on every Monday and Thursday. 4. The progress of the project was reviewed on every Sunday.