PROJECT SCOPE

PROJECT NAME:	**Smart Agriculture Management using IOT-SB38531**
PROJECT MANAGER	**A L Abishek**

PROJECT SUMMARY	**IN SCOPE** 1. Create a weather forecasting data by using external platform like open weather API. 2. Create a web app to monitor parameter like temperature, humidity and soil moisture. 3. Controlling a motor using the web application from anywhere. 4. Create a online IOT Simulator for getting the temperature, Humidity and soil moisture. **OUT SCOPE** 1. To create a Chatbot for knowing the parameters like temperature, humidity etc. And to control the motor using chat box. 2. To add other parameters like alkalanity, potassium, sulphur etc to the web application
PROJECT REQUIREMENT	1. IOT Application development 2. IOT cloud platform
FUNCTIONAL REQUIREMENT	1. Developing UI of the Web application 2. Controlling the motor through web application
TECHNICAL REQUIREMENT	1. Reading the weather data from open weather API 2. Simulating the sensor values by using IOT simulator 3. Hosting the web app using NODE RED 4. Sending the Output signal to the motor using Web application
PROJECT DELIVERABLE	1. Creating an account in IBM Watson and installing Python IDE. 2. Connecting IOT Simulator to Watson IOT platform 3. Configure the NODE RED to get the data from IBM IOT platform and open weather platform 4. Building and configuring a Web application
PROJECT SCHEDULE	

TASK	EXPECTED DATE OF COMPLETION
Exploring IBM cloud platform	May 28 - June 01
Connecting IOT simulator to watson IOT platform	June 02 - June 05
Server and send the weather data from weather API	June 06 -June 10
Building Web application and configuring Device	June11 -June15