PROJECT SCOPE

Project Title: **Smart Agricultural System Based on IoT**

Project Summary

IoT-based smart agriculture systems can keep an eye on the weather and soil moisture to help crops grow and produce well. Using other systems like Open Weather API, the farmer may also obtain data about the current weather prediction. The farmer is given a smartphone app so he can keep track of the parameters for temperature, humidity, and soil moisture as well as weather predicting information. He may use the mobile application to regulate the motors to irrigate his crop based on all the factors. Farmers may irrigate their crops even when they are far away from them by utilizing a smartphone application to manage the motors. Here, we're utilizing an online IoT simulator to obtain readings for the soil moisture, humidity, and temperature.

Technical Requirements:

- IoT Simulator

Software Requirements:

- Python
- Node-Red
- IBM Watson IoT Platform
- Fast to SMS

Project Deliverables:

A Web App for farmers where he can:

- monitor temperature, humidity and soil moisture details.
- control motor for watering the crop.

Project Team:

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