Smart Agriculture System Based On IoT

Project Summary

This project aims in helping the farmers to cultivate their crops efficiently. The farmers will be equipped with a mobile application using which they can monitor the moisture content, Ph content, temperature and humidity of the soil. Added to this the farmers can also get the real time weather forecasting data by using external platforms like Open Weather API. So from the above parameters they could find the exact growing conditions that the soil and the crops need. In addition to this, the crops could be watered remotely using this mobile application. So the major benefit is, even if the farmers are not present near their crops, they can water the crops and monitor the condition of the crops through this mobile application anytime anywhere.

Project Requirements

1. IBM cloud platform

2. IBM IOT simulator

3. Node red

4. Open Weather API

Project Deliverables

1. A complete working video of the Project.

2. Data flow from node red to API.

Project Schedule

1 month