

PROJECT KICKOFF

PROJECT NAME : *Smart Agriculture system based on IoT*

Project Scope:

☆ Project Summary

"Smart Agriculture System based on IoT", its a device/app based on IoT . which provides the info regarding weather conditions .Like temperature,humidity,and soil_moisture.Which helps user to monitor the things easily .

☆ Project Requirements

- ➔ IBM Cloud
- ➔ IBM Watson IoT platform
- ➔ Node-Red
- ➔ Python IDE

☆ Functional Requirements

- ➔ IoT Simulator
- ➔ Open weather API

☆ Technical Requirements

- ➔ Web application

☆ Software Requirements

- ➔ Node-Red
- ➔ Python IDE

Project Schedule:

- ✓ **Day 1** : Project Details,Planning.
- ✓ **Day 2** : Development Environment
- ✓ **Day 3** : IBM Cloud and Watson IoT Platform
- ✓ **Day 5** : Installing Node-Red,Python IDE
- ✓ **Day 8** : Node -Red flow
- ✓ **Day 10** : Open Weather API
- ✓ **Day 12** : Creating web app and working with python code
- ✓ **Day 16** : Completion of project

Project Team: Project by "**Pasupula Rajini**"-{**Project Manager**}

Project Deliverables:

This is a user friendly app .Which would greatly help people working in farming sector .By which user can monitor and complete their required tasks such as turning on/off motor .And also make requisite changes in their working field according to the data provided by this app(i.e.,humidity,temperature,soil_moisture..).

