

# **PROJECT SCOPE DOCUMENT**

## **PROJECT SUMMARY:**

We all know that agriculture is being done in every village since ages. Agriculture is nothing but of cultivating plants and is the main development needed other than

any sector. Without agriculture we can not survive. As the world is trending with new technologies now-a-days, Agriculture should also be collaborated with the new technologies to get real time benefits like cost savings, less man power, getting faster information about the weather forecasts , soil moisture, temperature,

humidity, etc. All these can be fulfilled through sensors. But here, for this mobile application we are using Online IoT Simulator for getting temperature, humidity and soil moisture values. Using this app, a farmer can monitor his/her crop even if he/she is not physically present near the crops. As a result a farmer can yield profitable crops. This project is built using IBM cloud watson service, Node-RED application.

## **PROJECT REQUIREMENTS:**

1. Github
2. Slack Channel
3. Zoho Writer
4. IBM Cloud
5. IBM watson
6. Node Red

## **FUNCTIONAL REQUIREMENTS:**

1. Providing Fast Information
2. Security
3. Safety
4. Timely Performance
5. Rapid Reactions

## **PROJECT DELIVERABLES:**

The scope of the project is to develop an IoT based Smart Agriculture System and

to let the farmers take care of their crops even if physically not present, get updates

of the temperature, humidity soil and weather conditions.

## PROJECT TEAM:

Individual project

## PROJECT SCHEDULE:

1. Project planning and Kickoff - 1 day
  2. Explore IBM cloud Platform - 1 day
  3. Explore IBM watson service - 1 day
  4. Build the application for smart agriculture system - 5 days
- Total 9 days