

PROJECT SCOPE DOCUMENT:

Project Summary:

The main role of the project is to monitor the soil moisture and climatic conditions for the betterment of the crops. This project also features the real time forecasting data with the external source. In this project, we are going to Develop a mobile app which will help the farmer to water crops from anywhere And also with the help of IOT simulator we will get the temperature and humidity values accurately.

Project Requirement:

The requirement of the project are divided into three types,

1)functional requirement:

This includes the controller(Arduino or Rasberry pi) to monitor all the functions of the system.

2)Technical Requirement:

This includes the temperature sensor ,moisture sensor ,motor ,GPRS module, Humidity sensor.

3)Software requirement:

ATOM software for coding in python ,IOT simulator ,Mobile App.

Project Deliverables:

The yield appeared beneath signifies the temperature ,soil dampness state and humidity present in the soil.The next outcome is the yield as of Android purpose that is produced in the cell phone. It decides the temperature, stickiness and dampness.

Project Team:

The team consist of individual ones.

NAME: AKASH BHORKADE

Project Schedule:

the project is to be completed in one month ,so we have to plan accordingly.

week 1: preparation of documents for report,kickoff templates and to setup the development environment.

week 2:explore the IBM platform, Install python IDLE, install Node-red locally.

week 3:connect the IOT simulator to IOT Watson platform, configure Node-red to

get the data and open weather API

week 4:develop web app, configure the device to received data and control motors.