

Project Design Phase-I Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID04692
Project Name	IoT Based Smart Crop Protection System for Agriculture
Maximum Marks	4 Marks

Solution Architecture:

- The different soil parameters (temperature, humidity, light intensity, pH level) are sensed using different sensors and the obtained value is stored in IBM cloud.
- Arduino is used as a processing unit which processes the data obtained from sensors and weather data from weather API.
- All the collected data are provided to the user through a mobile application which was developed using MIT app inventor which is connected to the cloud.
- The user could make decision through an app, whether to water the crop or not depending upon the sensor values.
- This enhances the protection of crop and the yield.

Solution Architecture Diagram:

