

Project Design Phase – I

Solution Architecture

Date	16 October 2022
TeamID	PNT2022TMID08774
Project Name	IoT Based Smart Crop Protection System for Agriculture.
Maximum Marks	4 Marks

Solution Architecture:

An intelligent crop protection system helps the farmers in protecting the crop from the animals and birds which destroy the crops. The images of the animals can be captured using the help of camera which can be further processed with the help of python modules. The system also helps the farmer to monitor the moisture level in the field, temperature and humidity values of the field. Several sensors like DHT11, soil moisture sensor module. All the data are stored in the IBM cloud which can be later analyzed. The motor and sprinklers in the field can controlled using the mobile application. The current status of the crops can be viewed remotely.

Solution Architecture Diagram:

