Date	19 September 2022
Team ID	PNT2022TMID46736
Project Name	IOT Based Smart Crop Production System for Agriculture
Maximum Marks	4 Marks

Solution Architecture:

In this work an intelligent crop protection system to help the farmers in protecting the crop from the animals and birds which destroy the crop is proposed. This system also helps farmers to monitor the soil moisture levels in the field and also the temperature and humidity values near the field are measured. The motors and sprinklers interfaced with microcontroller in the field can be controlled using the mobile application.

- This is a Arduino Uno based system using microcontroller. In such a case the sensor signals the microcontroller to take action.
- The microcontroller now sounds an alarm to woo the animals away from the field as well as sends SMS to the farmer and makes call, so that farmer may know about the issue and come to the spot in case the animals don't turn away by the alarm.
- This ensures complete safety of crops from animals, birds and from fire thus protecting the farmer's loss.

Solution Architecture Diagram: