

Project Design Phase-I Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID04647
Project Name	IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE
Maximum Marks	4 Marks

Solution Architecture:

- The device will utilise the Clarifai service to find animals and birds.
- The image will be taken and stored in the IBM Cloud object storage if any animal or bird is found.
- It also sends out a warning to keep animals from harming the crop
- Other measurements being tracked by the device include soil moisture levels, temperature, and humidity readings, which will be transmitted to the IBM IoT Platform.
- To display the image in the web application, the image will be taken from object storage.
- To display the soil moisture, temperature, and humidity readings, a web application is created.

Solution Architecture Diagram:

