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| **TEAM ID** | PNT2022TMID24852 |
| **PROJECT DOMAIN** | INTERNET OF THINGS |
| **PROJECT TITLE** | IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE |
| **DATE** | 11 October 2022 |

## **STEPS TO FOLLOW:**

By the end of this project we will:

1. Gain knowledge of Watson IoT Platform.
2. Connecting IoT devices to the Watson IoT platform and exchanging the sensor data.
3. Gain knowledge on Cloudant DB
4. Gain Knowledge on using the Clarafai service Gain knowledge of storing images in IBM Object Storage and retrieving images
5. Creating a Web Application through which the user interacts with the device.

## **PROJECT FLOW:**

1. The device will detect the animals and birds using the Clarifai service
2. If any animal or bird is detected the image will be captured and stored in the IBM Cloud object storage.
3. It also generates an alarm and avoid animals from destroying the crop
4. The image URL will be stored in the IBM Cloudant DB service
5. The device will also monitor the soil moisture levels, temperature, and humidity values and send them to the IBM lOT Platform