Prerequisites:-

To complete this project, you must have knowledge of the following:

You need to have basic knowledge of the following cloud services:

- IBM Watson IoT Platform

- Node-RED Service

- Cloudant DB

You need to create an IBM Cloud Account

Refer to the below video for Account creation:

IBM Account Creation

http://youtu.be/2xlvEuFcUJY

IBM Cloud Services:-

You need to have basic knowledge of the following cloud services:

- IBM Watson IoT Platform

- Node-RED Service

- Cloudant DB

- Object Storage

Software:-

Install the Python IDE.

Watch for the reference video of python installation.

How to install Python 3.7.4 on Windows 10

http://youtu.be/4Rx_JRkwAjY

Install the required python libraries:

- Install Watson IoT Python SDK to connect to IBM Watson IoT Platform using python code:

Give the following command in command prompt: pip install wiotp-sdk

Install python client library for IBM Text to Speech:

Give the following command in the command prompt: pip install --upgrade "ibm-watson>=5.0.0

Install required libraries for Cloud object storage:

Give the following commands in the command prompt to install the below libraries in Python:

- pip install ibm-cos-sdk

- pip install -U ibm-cos-sdk

- pip install boto3

- pip install resources

- pip install cloudant

Download the required files from the http://github.com/divyanemuri/SmartInternzGuidedProjects-IntelligentCropProtection

Create An Account In Clarifai:-

To detect the animals and birds we are using an open-source platform Clarifai.

To use this service in the project we need to signup for this.

Click http://portal.clarifai.com/login?hsCtaTracking=8a986302-4c25-4620-bfd7-189d87b05cbd%7C5a02f0c3-78e3-4906-af49-a23f2d7c332e and signup for that platform.