

PROBLEM STATEMENT

An intelligent crop protection system helps the farmers in protecting the crop from the animals and birds which destroy the crop. This system also helps farmers to monitor the soil moisture levels in the field and also the temperature and humidity values near the field. The motors and sprinklers in the field can be controlled using the mobile application.

OBJECTIVE:

- To Monitor different parameters through mobile or web application make easily to farm the crop field .
- To protect the crop from animals and birds which enter into the crop.
- To detect the movement of animals and birds in the agricultural field.

TRIGGERS TO ACT:

- Create opportunities to lift people out of poverty in developing nations. (Over 60%)

SOLUTION:

“IoT based Smart crop protection system for agriculture” !!

- It help farmers grow more food on less land by protection crops from pests, diseases and weeds as well as raising productivity per hectare.

CHANNELS OF BEHAVIOR:

• ONLINE:

The Data send through application for the farmers to know about the farms.

• OFFLINE:

The control action is taken by the farmers to monitor the farms.

I am	I'm trying to	But	Because	Which makes me feel
Farmer	I am trying to protect my crop against animals and birds.	Cope with climate change, soil erosion and biodiversity loss.	The soil has to be monitored continuously along with the temperature and humidity. Also need to protect against animals and birds.	Animals and Birds are often destroying the agricultural crops.