

IOT Based Crop Protection System against Birds and Wild Animal Attacks

- The main aim of our project is to protect the crops from damage caused by animals as well as divert the animals without any harm.
- Crops in farms are many times ravaged by local animals like buffaloes, cows, goats, birds etc. This leads to huge losses for the farmers. It is not possible for farmers to barricade entire fields or stay on field 24 hours and guard it.
- Here we propose an automatic crop protection system from animals. Animal detection system is designed to detect the presence of animals and offer a warning.
In this project we used PIR and ultrasonic sensors to detect the movement of the animal and send a signal to the controller.
- It diverts the animal by producing sound and signal further, this signal is transmitted to GSM and which gives an alert to farmers and forest department immediately.