

Literature Survey

Title: Iot based smart crop protection system for agriculture

Author: M. Jaya Prabha

Year of publication: 2021

smart crop protection system from animals using Arduino UNO. The system is consisting of IR sensor for animal detection, ultrasonic sensor which rotates 360 degrees for detection of birds and a GSM module to send alert message to the farmer. It is a very simple system and cannot differentiate between human and animals. This paper's motive is to design IOT based system to prevent animal intrusion in the crop field and providing weather conditions. Our main aim to design a system that can help to farmer to protect his farm from, animals with getting harm to them.

TITLE:Smart Crop protection system from living objects and fire

AUTHOR:Krunal Mahajan

YEAR OF PUBLICATION:2010

This paper motive to designing and executing the superior improvement in embedded device for Crops in farms are over and over ravaged with the aid of nearby animals like buffaloes, cows, goats, birds, and fireplace etc. This results in huge losses for the farmers. It is now not feasible for farmers to barricade complete fields or precede field 24 hours and protect it. Therefore here we present computerized crop safety system from animals and fire. This is aArduino Uno primarily based device the use of microcontroller. This technique makes use of a motion sensor to discover wild animals drawing near the sphere and smoke sensor to discover the hearth. In such a case the sensor alerts the microcontroller to require action. The microcontroller now sounds an alarm to woo the animals away from the sector further as sends SMS to the farmer and makes call.