

Literature Survey On IOT Based Smart Crop Protection System For Agriculture

Abstract:

This paper defines the methodology used in the smart crop protection system. The purpose of SCPS is to secure or protect the farm from the theft in the farm or main purpose of this project is to alert the farmer as well as fear the animals with getting harm to animals.

Introduction:

The Smart protection system defines that this project helps farmers for the protection of a farm. We have designed this project for the only secure from animals but we this project have the provision to secure from the human begins also. This can be achieved by the help of an IOT device that we are discussing in this paper. The SCPS work on the battery so that this project can be easily portable and also we are adding solar panels and converter modules that can help the battery to charge from solar energy. The IOT device is used to indicate the farmer by a message while someone enters into the farm and we are using an SD card module that helps to store a specified sound to scare the animals.

Problem Statement:

Farmers need to deal with many problems, including how to:

- Cope with climate change, soil erosion and biodiversity loss
- Satisfy consumers' changing tastes and expectations
- Meet rising demand for more food of higher quality
- Invest in farm productivity
- Adopt and learn new technologies
- Stay resilient against global economic factors
- Inspire young people to stay in rural areas and become future farmers

Conclusion:

In this way we have designed our smart crop protections system using IOT. These different components help us to build the mythology of this project and improve the more features with the help of IOT devices.