

A

Report on

IOT BASED CROP PROTECTION SYSTEM AGAINST BIRDS AND WILD
ANIMAL ATTACKS

A report submitted for the partial fulfillment of the requirements for Mini Project of
BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

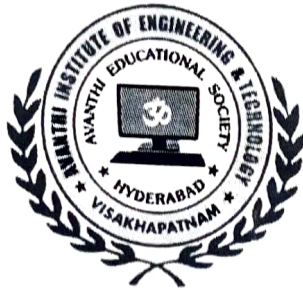
Submitted by

GANISETTY DIVAYA JYOTHI (19811A0417)

Under the guidance of

Mr V Raju M.Tech

Assistant Professor



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

TAMARAM, MAKAVARAPALEM, NARSIPATNAM-531113

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AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tamaram, makavarapalem, narsipatnam road, Visakhapatnam dist-531113

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINI PROJECT

(IOT BASED CROP PROTECTION SYSTEM AGAINST BIRDS AND WILD ANIMAL ATTACKS)

BY

NAME:GANISETTY DIVAYA JYOTHI

REG NO:19811A0417



INTERNAL COORDINATORS



EXTERNAL EXAMINER



HOD, ECE
HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
Avanthi Institute of Engg.&Tech.
Makavarapalem, Visakhapatnam Dist-531 113.

IOT BASED CROP PROTECTION SYSTEM AGAINST BIRDS AND WILD ANIMAL ATTACKS

ABSTRACT

The main aim of our project is to protect the crops from damage caused by animal as well as divert the animal without any harm crops in farms are many times ravaged by local animals like buffaloes, cows, goats, birds. This leads to huge losses for the farmers. It is not possible for farmers to barricade entire field or stay on field 24 hours and guard it. So here we propose automatic crop protection system from animals. Animal detection system is designed to detect the presence of animal and offer a warning. In this project we used PIR and ultrasonic sensors to detect the movement of the animal and send 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.