AGRICULTURE DRONE FOR SPRAYING FERTILIZER AND PESTICIDES

A Project report submitted

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

K.NAVYA	**16815A0414**
CH.USHA	**16815A0405**
K.HARISH	**16815A0418**
M.SAIRAMANUDEEP	**16815A0421**

Under the guidance of

Mr. R.ANEEL KUMAR., M.Tech

Asst. Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi)

(Accredited by NBA, Approved by AICTE, NAAC aggregation, affiliated to Jawaharlal Nehru Technological University Kakinada).

TAMARTAM (P.O), MAKAVARAPALEM (M), NARSIPATNAM (R.D)
VISAKHAPATNAM DISTRICT-531113

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DEPARTMENT OF

ELECTRONICS AND COMMUNICATION AND ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Permanently Afflicted to JNT University, Kakinada)

Tamaram , Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

CERTIFICATE

This is to certify that project work is entitled "AGRICULTER DRONE FOR SPRAYING FERTILIZERS AND PESTICIDES" in partial fulfillment for the degree of bachelor of technology in ELECTRONICS AND COMMUNICATION ENGINNERING, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is an benefited work carried out by K.NAVYA, CH.USHA, K.HARISH, M.SAIRAM ANUDEEP under the guidance and supervision during 2016-2019.

PROJECT GUIDE

R.ANEEL KUMAR., M.Tech.
Asst.Professor

HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
M.Tech.

HEAD OF THE DEPARTMENT

Mr. E.GOVINDA., M.Tech.(PhD)
Associate Professor

EXTERNAL EXAMINER

ABSTRACT

In the present era, there are too many developments in precision agriculture for increasing the crop productivity. Especially, in the developing countries like India, over 70% of the rural people depend upon the agriculture fields. The agriculture field faces dramatic losses due to the diseases. These diseases came from the pests and insects, which reduces the productivity of the crops. Pesticides and fertilizers are used to kill the insects and pests in order to enhance the crop quality. The WHO (World Health Organization) estimated as one million cases of ill affected, when spraying the pesticides in the crop field manually. The Unmanned Aerial Vehicle (UAV) - aircrafts are used to spray the pesticides to avoid the health problems of humans when they spray manually. UAV'S can be used easily, where the equipment and labours difficulty to operate. The application of pesticides and fertilizers in agricultural areas is of primary importance of crop yields. This is to develop a user friendly interface for the farmers. This concept reviews briefly the implementation of UAV'S crop monitoring and pesticide spraying.