

MES COLLEGE OF ENGINEERING-KUTTIPPURAM  
DEPARTMENT OF COMPUTER APPLICATIONS RLMCA352 -  
MAIN PROJECT

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PRO FORMA FOR THE APPROVAL OF THE FINAL SEMESTER PROJECT

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*(Note: All entries of the pro forma of approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)*

Project Proposal Number :  
(Filled by the Department)

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Academic Year : 2023  
Year of Admission : 2021  
Admission Number : 16612  
Roll Number : 21MCA1128  
Register Number : MES21MCA-2028

7. Name of the Student (in BLOCK LETTERS) : MUHAMMED SHAKKIR M V

8. Name of the Organization : MES COLLEGE OF ENGINEERING, KUTTIPPURAM

9. Address of the Organization : KUMBIDI-THRIKKANAPURAM RD, KUTTIPPURAM, KERALA 6795 82

Telephone No. : \_\_\_\_\_

Company E-Mail : \_\_\_\_\_

: \_\_\_\_\_

10. Name of the \_\_\_\_\_  
External Guide

E-Mail : \_\_\_\_\_

Mobile No. :

CROP MANAGEMENT SYSTEM

11. Title of the Project :

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12. Name of the Guide : VASUDEVAN T V

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Date

Signature of the student

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**Comments of The Project Guide** Initial Submission

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Approval Status : Approved / Not Approved    Dated Signature of    Guide    HOD    First  
Review :

Second Review :

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**Comments of The Project Coordinator** Initial

Submission:

First Review

Second Review  
Coordinator:

Dated Signature of Project

# **CROP MANAGEMENT SYSTEM**

## **MUHAMMED SHAKKIR M V (MES21MCA-2028)**

### **INTRODUCTION**

The Crop Management System has been developed to override the problems in practicing the manual system. This software application supports reducing and, in some cases, eliminating the manual hardship faced by the existing system. Moreover, this application is designed for the benefit of farmers or any new individuals looking to enter farming.

The application is optimized as much as possible to avoid any errors that may occur while entering data. The system will also give the user an error message if he enters invalid data. The system is created in a very user-friendly manner; hence no prior knowledge is required to use the system. The Crop management system will help users concentrate on their other activities rather than focus on record-keeping. Therefore assisting the organization in better utilization of human resources. The software comes with a 24\*7 chatbot to help with any user query.

Hence we have designed an exclusive crop management system adapted to the organizational needs of a farmer. This application is intended to help in assisting in strategic planning. It will ensure that the farmer is updated with the right level of Information and data for the accomplishments of the farming goals.

### **OBJECTIVES**

The aim of this project is to develop a system that can provide basic knowledge on crops and judicious use of natural resources such as soil and water in efficient and reliable way.

### **PROBLEM DEFINITION AND INITIAL REQUIREMENTS**

we have designed an exclusive crop management system adapted to the organizational needs of a farmer. This application is intended to help in assisting in strategic planning. It will ensure that the farmer is updated with the right level of Information and data for the accomplishments of the farming goals.

## **BASIC FUNCTIONALITIES**

### **Admin:**

- Login
- Add Schemes
- View users
- Disease info
- Fertilizer info
- Add notification
- Add & Manage Expert

### **Expert:**

- Login
- Add Disease
- Add fertilizer info
- Add Tip
- View notification

### **Farmers**

- Registration
- Login
- Crop Prediction
- View disease info
- View Tip
- View Schemes
- View notification

## **TOOLS / PLATFORM, HARDWARE AND SOFTWARE REQUIREMENT**

### **Hardware Requirements**

- Input Device : Mouse, Keyboard
- Output Device : Monitor
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Memory : 4 Gb Ram(Minimum)  
: Intel core i3 or above  
□ Processor

## Software Requirements

- Operating System : Windows 8 /10for Better Performance
- Front End : Python (Django)
- Back End : Mysql
- Software Used : VS Code
- Web Browser : Internet Explorer/Google Chrome/Firefox  
(for web application)

