

Project Report: Farm Management System

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Abstract—The purpose of farm management system is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.

Index Terms—Pesticide, Insecticides

I. INTRODUCTION

The ‘Farm Management System’ has been developed to override the problems prevailing in the practicing manual system. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals.

The main objective of the project is to manage the details of farm, crops, insecticides, pesticides. The project is totally build at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the farm, crops, cost range.

II. LITERATURE REVIEW

FARM MANAGEMENT SYSTEMS: A CASE STUDY ON A GERMAN MULTIFUNCTIONAL FARM Accurate and easy to use Farm Management Systems are of fundamental importance for a successful operational farm management. However, still today many farmers do not use FMSs for various reasons, like lack of knowledge and the complexity of many available FMSs. In particular for small to medium-sized farms and for multifunctional farms appropriate FMSs hardly exist. This paper aims on the deduction of a concrete FMS from a general FMS. The concrete FMS has to focus on the needs of medium-sized and multifunctional farms.

III. MODULES

This project mainly consist of 3 modules. Like, Crops Module, Insecticides Module, Pesticide Module.

A. Features of Crops Module

- Admin can add new crop records
- Admin can see the list of crop details
- Only admin can edit and update the record of the crops
- Admin will be able to delete the records of the crops
- All crops forms are validated on client side using JavaScript

B. Features of Insecticides Module

- Admin can manage the insecticides
- Admin can edit/delete the insecticides
- Admin can see the list of all insecticides
- Customer can see insecticides

C. Features of Pesticide Module

- Admin can manage the Pesticide
- Admin can edit/delete the Pesticide
- Admin can see the list of all Pesticide
- Customer can see Pesticide

IV. REQUIREMENT

A. Technology used in this project:

- HTML
- CSS
- JavaScript
- PHP
- MySQL
- Apache2

B. Supported Operating System:

- Windows
- Linux
- Mac

We can run this project on XAMP, LAMP, WAMP or MAMP

V. CONCLUSION AND FUTURE WORK

Farm management system can lead to error free, secure, reliable and fast management system.

- We can give more advance software for farm management system including more facilities.
- We will host the platform on online servers to make accessible worldwide.
- Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers.

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