Abstract

FARM MATE: Farmers Product Management System

Project Nature: Mini Project Extension

Completion Level: 60 % of the mini project is completed

The Farm Mate web application is completely developed for helping farmers. The application provides a platform for selling their products. The farmers can also buy the resources like tools, machines and fertilizers for their cultivation. The user can buy the crops and tools after registering. The agrosellers can add their resources like tools, machines and fertilizers for the farmers after approved by the admin. The admin controls all the activities of the system. The admin approves the agrosellers based on their proof.

Existing system

In the existing system the farmers need to go to the market for selling their products. This is very time consuming and slow process.

Disadvantages

- Slow, tedious and time consuming

- Does not know about the new technologies and news about agriculture.

- Profit loss

Proposed system

In the proposed system farmers can sell their products online and they can buy the machines and tools and fertilizers. It provides a wider market and helping them to not restrict themselves to the local market. The article section helps farmers to improve their productivity and profitability.

Advantages

- Helps the farmers to sell their products online and buy the resources like tools, machines and fertilizers.
- Farmers can view the articles about new technologies and plant diseases.
- It saves the farmers time and efforts
- The farmers can book workers for their cultivation

The modules are:

- Admin
- Agrosellers
- Farmer
- Buyer
- Workers

Module Description

- **Admin**

Admin controls all the activities of the system. Admin approve the agrosellers

based on their proof. The admin sent notification to the agrosellers after checking their proof.

The admin can also add/delete the articles. Admin can view the details of the farmers,

agrosellers and users. The admin can view the feedbacks about the machines and tools from

the farmers and users. Admin can view the details of the workers and their booking.

- **Farmers**

Farmers need to register first then he/she can login to the web application. The

farmers can add, delete and update the products. The farmers can view the list of resources like

machines, tools and fertilizer and they can buy it for their cultivation. The farmers can add

products to the cart and place order. The farmers can view the articles about the new

technologies, plant diseases etc. The farmers can send the feedback about the machines and

tools. The farmer can book the workers for their cultivation.

- **Agrosellers**

Agrosellers need to register first then they can login. After login agrosellers

need to complete their profile and submit their proof. The agrosellers receives a notification

about they are approved or rejected based on their proof. After approved by the admin

agrosellers can add, delete and update the resources like machines, tools and fertilizers. The agents can view the feedbacks of the farmers and users.

- **Buyer**

The buyer needs to register first then they can login. The user can view the list of crops and they can buy it. The user can also view the tools and fertilizers and they can buy it. The users can send feedbacks about the products.

- **Workers**

Workers need to register first then they can login and fill their details about their work. They need to enter the working days, time, salary and all the information about their work. They can view the notification about their booking and view the booking details and accept or reject the booking.