

FARM MATE: Farmers Product Management System

A farmer is a person engaged in agriculture, raising living organisms for food or raw materials. The farmers are an important part of the survival of our various societies because they provide food and fiber. 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.

The modules are:

- **Admin**
- **Agrosellers**
- **Farmer**
- **Buyer**

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.

- **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.

- **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.

System Study

System study is a detailed study to determine whether to what extend and how automatic data processing equipment should be used. It usually includes an analysis of the existing system and the design of the new system.

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.