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 tools, machines and fertilizers for their cultivation. The user can buy the crops and tools after registering. The agents can add their tools, machines and fertilizers. The admin controls all the activities of the system.

The modules are:

- **Admin**
- **Agents**
- **Farmer**
- **User**
- **Registration**
- **Login**

Module Description

- ### Admin

Admin controls all the activities of the system. Admin add/delete the agents. The admin can also add/delete the articles. Admin can view the details of the farmers, agents and users. The admin can view the complaints 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 machines, tools and fertilizers and they can buy it for their cultivation. The farmers can view the articles about the new technologies, plant diseases etc. The farmers can send the complaints about the machines and tools.

- **Agents**

   Agents can add, delete and update the machines, tools and fertilizers. The agents can view the complaints of the farmers and users and reply to them.

- **User**

   The user 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 complaints about the tools.

- **Registration**

   The farmers and users need to register with name and password.

- **Login**

   Admin, farmer, agent, users can login to their own account to perform certain functions.

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.

<u>Advantages</u>

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