**KISAAN.COM**

**Agriculture Management System**

**ABSTRACT**

Agricultural Management system (AMS) provides farmers to get online information about the crop, statistical details and new tendencies. The main features of the management system includes information retrieval facilities for farmers from anywhere in the form of obtaining statistical information about fertilizer, land availability, diseases, suitable soil concentration and weather for the corresponding crops and etc. AMS mainly emphasize to provide technology and services to farmer to help them to increase productivity and profitability. And to enhance present farming processes and to provide knowledge about recent agricultural issues.

**Module 1 : Admin**

**Registration:**

In this module, every new admin has to register their details. After register you can access your account through login.

**Login:**

In this module, Admin can access their account through this page. After successful login, this page was redirect to the Admin page. If admin doesn’t have an account registers his account through registration page.

**Add new crops:**

In this module, Admin can add new crops and its tendencies.

**Update existing crops:**

In this module admin will add or delete the existing crops. Moreover, admin can update weather and soil health of crops, required fertilize and medicine for particular crops.

* **Weather :**

Weather information includes details of humidity, temperature, wind and rainfall for the current day and the forecast for the next five days. Unique features include extreme weather alerts like hailstorm or unseasonal rains.

* **Plant protection & seed :**

This section gives pest, weed and disease-related information, provide the quality seeds information as well as management practices for each stage of crop development from Seedling/nursery to harvesting. One can also upload a picture of the affected crop and get a response.

* **Soil Health:**

Information pertaining to soil health is available for farmers who have registered. It provides soil nutrient status to each farmer for his/her land holding and also gives advice on fertilizer dosage and soil amendments needed to maintain soil health in the long run and this will enable capture of the pattern of soil fertility changes occurring due to nutrient uptake by plants or other natural causes.

* **Water**:

Water is very necessary to grow crops so, it requires best watering time and quantity of water and it varies according to different crops. And reliable information of it, is very good help to the farmers.

**Upload Video:**

In this section, admin will upload informative farming videos which enlighten farmer for correct way of farming.

**Update new fertilizers & medicine:**

In this module admin will add the detail about different type of fertilizers and medicine and its usage. It will explain the whole information about fertilizers and medicine and its features and what are organic fertilizers, how you can use them to improve your product growth.

**Farmer queries / feedback**

In this module Admin can view all the queries, doubts and feedback from user. And admin will respond to them.

**Government Schemes:**

Admin can provide the information about some government’s projects so farmers can take the benefits.

**Logout:**

This module was used for admin can logged out his account. Once logged out your account no one can access your account without the knowledge of your username and password.

**Module 2 : User/Farmer**

**Registration:**

In this module, every new user has to register their details. Such us name, address, mobile no, land details. After registration only users get user account. It’s a Onetime registration, later by getting the Admin approval he/she can login to the home page.

**Login:**

Users can access their account through they logged in. The Login Module is allowing him to enter a User Name and Password to log in. if user doesn’t have an account he can register his details on registration page.

**Search crops:**

In this module**,** user can search his desired crop as well as different categories of crops and get information of it.

**Upload farm crops:**

In this section, farmer can upload his farming details like crops name, growth and fertilizer, soil tendencies and also images of crop.

**Videos:**

In this section, farmer can watch informative farming videos ,which are uploaded by admin.

**Farmer Queries and feedback:**

In this module user send any doubt or queries about the soil, fertilizers or related to the agriculture. This doubts and queries will forward to admin. After the admin receive these messages he will send reply for your queries or doubts. Additionally, in this module user send the feedback about the website and its information. This will help us to increase the rate of our website.

**Government Schemes:**

User can view the information about some government’s projects so he can take the benefits.

**Logout:**

This module was used for user can logged out his account. Once logged out your account no one can access your account without the knowledge of your username and password.

**Admin Use Case Diagram:**

Login

Add new crops

Update Existing crops

Update Government Schemes

Registration

Farmer queries and feedback

Upload Videos

Update new fertilizer and medicine

Logout

**Farmer/User Use-Case Diagram:**

Login

Search crops

Update Existing crops

Logout

Registration

Farmer queries and feedback

Watch videos

View new fertilizer and medicine

View Government Schemes