PLANTOPEDIA

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ABSTRACT: The project entitled "PLANTOPEDIA", which is an information management system for providing information about "Medicinal" and "Agricultural" plants. In this system Super Admin will manage all the information about the plants and manage users and admin. Super Admin will add the plant details with their properties as well as detailed information's like harvesting time, Cooling period, categories of the plants etc. All the data will be stored in the database by that users can easily get the desired information's. Super Admin also add and remove admin. And Admin part of the site will be managed by experts who are in agricultural field. Their task will be to monitor users and provide guidance. On the other hand users will be registered to the system through this website or using the App. While registering user will provide information's like their personal details as well as which plant they are interested in. They will also specify the area they have where they will grow those plants. Based on their interest the website will provide desired information about plants. They also will be able to buy plants using this site. While registering users have to pay as subscription fee for one year. During this period all the necessary information's about growing those plants and taking care of those plants will be provided. All those information's will be guided by experts. There will be also a blog for users where they can seek information regarding any query related to harvesting plants. Users will also get weather forecast based on their locality.

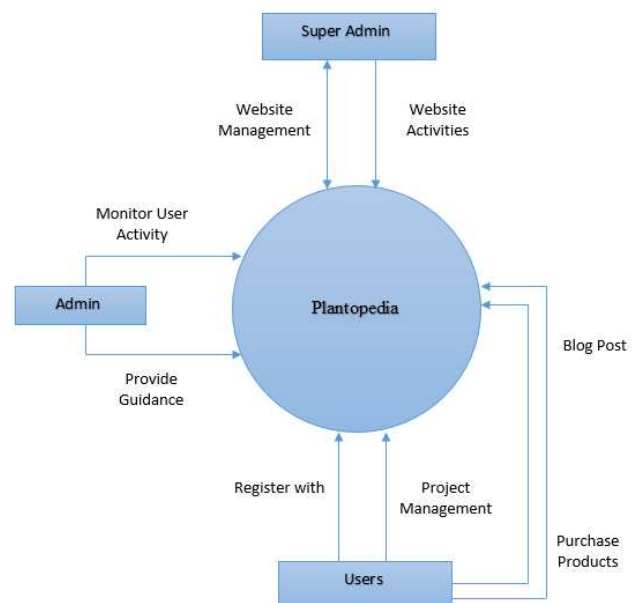*Keywords: Harvesting time, Cooling period, Weather forecast, Experts*

INTRODUCTION

"**PLANTOPEDIA**" is an online Plant Information management system where User can easily get the desired plant and related materials and proper guidance to nurture them. Users has to register first to access the site. After registering they have to activate their account by verifying the mail which will be sent to the User's mail id after registering. After registering users can maintain their information very easily using this website. This website will provide day to day weather information and proper guidance to overcome problems related to those plants. This site also has blogging facility where they can seek for information related to plants and information will be provided by other users and as well as experts by which user will get desired information very easily. Users can buy plants from this site where they can choose various categories of medicinal and agricultural plants. Users can also track their orders using order id which will be provided to the users after successful transaction.

Admin panel users are the experts who will be registered by super admin. Expert's main motive will be view day to day information's given by users and provide guidance to the users. The information's can be regarding plant harvesting or personal details about any health issue. Expert's only task will be monitor the user's activity and provide proper guidance.

On the other hand super admin module has the facility to add plant information and manage them. Super Admin will also be able to manage users. Super Admin also will be able to manage and configure complete site. Super Admin module will also be able to create event list and notify the users about the events. Super Admin can add categories, sub categories and child categories and also remove them.

PLANTOPEDIAARCHITECTURE

In this, we describe the Plantopedia Architecture. Here the admin will manage the whole website like adding a product to shipping them. Admin will also register experts.

Modules:

Project Management: This is the most important part of the website.Project management comes under user's profile. Here users

will provide information of day to day activity of their harvesting plants. Activities are like current progress of the plants they are growing and also they can provide information about any health issues that they are using any medicinal plants. Based on these information experts will provide guidance to the users.

Weather forecasting: In this section of the site users will be provided with next seven days of weather information using Google API. Upon selection based on the weather information users will be provided with guidance to nurture and maintain plant efficiently by which users will get efficient result on harvesting plants.

Plant information: In this section of the site users will be able to get guidance about harvesting and growing plants which they are currently working on. They will get periodically notifications about the process they have to follow to get proper outcome.

Manage Blog: This site also has blogging facility where users can raise questions about their doubts and talk to other users with commenting system and chat room. Here they will be able to write blog, comment to other user's questions etc.

Monitor user's activity: The main objective of admin that is experts will be to monitor every activity of the users in terms of growing plants and also their health progress. They also will be able to answer the questions raised by the users in the blog section, by which users will be able to get information very easily.

Add Plants: This part is the most important for Super admin panel as well as for the website, because whole idea of the project goes around plants. In this part of the site Super admin will be adding plant detailed information's like name, type, category, harvesting time, cooling period, price of the plant etc. In this section admin will also be able update plant information and remove plants.

Upload Banner: This is also an important aspect of the website. Super Admin will be able upload and delete Banners. This important because every time customer will see different banner at different times.

Upload blog: this is the functionality to upload articles about the projects users are currently working on. Users need to upgrade their account to be able to use this feature. Without premium account users will only be able view the blog contents.

Post comment: this feature also comes under premium account. Premium users only will be able to comment to any blog post of their interest. Normal users can only be able to view the comments.

Moderate blog: this is the functionality of admin module. Because post includes images so after posting blogs by the users, it will pass through admin moderation process. Admin will check the post and can accept or reject it.

Register Experts: experts does not have the functionality to register themselves to the site. Admin will do so. However the details can be updated after login by the experts in the expert account section.

Upgrade account: this is the functionality where users will be able to upgrade their account from normal to premium account to be able to use all the features provided by the website. To upgrade account users have to pay as a subscription fee to accomplish the task.

EXISTING SYSTEM:-

The Existing systems contain information's only on overall view of plant harvesting. It does not provide information's on day to day basis. For getting those information's users need to search for multiple places and no guaranty of proper information. For getting the proper guidance about harvesting plants users need to go to agricultural office to get legitimate information. So it become very time consuming and users tends to lose interest in growing plants.

- Only provides minimum information about harvest plants.
- No expert review system is available.
- No blog is available to raise any question about customer doubts.
- Project management is not available.
- No real time weather forecasting.
- Does not provide information based on weather.
- No event notification functionality etc.

PROPOSED SYSTEM:-

In this system not only users will get the functionality of buying products online as well as they will get proper guidance to grow them. Information's like Harvesting time, cooling period and the plants which will be suited for current weather will be available in the system. And users will be getting day to day guidance from experts based on their plant currently working on. Users also have the blogging functionality where they can raise any question if they are having any doubt as well as they will be able to see the other user's blog posts and reviews.

- Proper guidance to harvest plants.
- Expert review system.
- Project management.
- Blogging functionality.
- Event notifications.
- Weather forecasting.
- Information based on weather forecasting.
- Monitor day to day activity etc.

CONCLUSION

Software applications always helpful in making manual works automated. An application can be called as a state of art, when it can be further developed according to the software requirements. Plantopedia is a web application which is developed keeping in mind to provide valuable information about plants and proper guidance to harvest plants. This website currently developed for the users who wants to grow plants in small place like balcony or home yard. Now a days a large scale of people has access to internet, which has now become perfect place for all kind of business. Which is termed as e-commerce. Where there is a need of an application where product information can be added, order can be placed, payment can be done etc. This application has all the functionality of an ecommerce website. Along with the ecommerce websites functionality it has other functionality like project management and blogging. That

means users will get functionality of multiple sites in one application. Users nowadays wants everything in one place, so this application will give a good experience. The site will be managed by super admin, which has all the functionality by which they will be able to manage the site very easily. It has functionality like managing products, categories, experts, orders, verifying blog information and generating coupon. Experts on the other hand are called admin whose main work will be monitor user activity and provide guidance to the users. Hence it makes the application reliable for long lasting web application, while doing this project I have get to learn about various web technologies and got a pleasant experience of working in a real time work environment.

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