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Online Programming Lessons, Tutorials and Capstone Project guide

Agriculture Consultancy and Customer Service Platform

Are you an agriculturalist looking for a more efficient way to manage your farm? Are you tired of spending countless hours researching and consulting experts for advice on how to improve your farm's productivity? Look no further than the online and mobile application for agriculture consultancy and customer service platform. In this blog post, we'll explore the benefits and features of this innovative platform, and how it can help you streamline your farming operations and achieve higher yields. Whether you're a seasoned farmer or just starting out, keep reading to find out how this platform can benefit you.

Project Context

Technology is quickly advancing in all parts of modern society, including agriculture; the researcher of this project intends to combine an Online and Mobile Application to serve as a platform for farm consultancy and customer support. The capstone project, "AgriAdvice: Online and Mobile Application for Agricultural Consultation and Customer Service Platform" is an online and mobile-based learning platform to consult for agriculture related advices and for consumers to reach out about their concerns linked to agriculture. The application will provide agricultural learning materials on which the user can rely for advice and to address customer concerns. The traditional technique of agriculture consultancy and customer service is face to face. This strategy necessitates farmers and other clients visiting agriculture-related departments and offices for help, which occupies significant time and effort that could be spent on more vital chores. The same is true for agriculture employees who devote their time to meeting the demands of farmers and other consumers. The agriculture department is still looking for ways to improve their techniques of offering agriculture consultancy to farmers. The internet and mobile-based application will act as a consolidated platform for agriculture-related consultancy. This type of agricultural guidance is delivered online, allowing for the sharing of knowledge without regard for space or time, as well as the ability to assist learning at any time and from any location.

Objectives of the Study

General objective- the main goal of this project is to design and develop an Online and Mobile-based platform for Agriculture Consultancy and Customer Service Platform.

The following are the specific objectives of the project:

1. To design an online and mobile-based application that facilitated consultancy about agriculture.
2. The application will help facilitate learning in agriculture easily and efficiently.



3. To develop a system of consultancy and customer service that will substitute the conventional method.
4. The application will have a user-friendly interface, accessible, reliable and convenient to use by the target end-users.
5. To evaluate the developed system using a standardized instrument with the following quality characteristics: Functionality, Reliability, Usability, Efficiency, Maintainability, and Portability.

Features of the System

Here are some potential features for an online and mobile application for an agriculture consultancy and customer service platform:

1. Crop disease diagnosis and remedy recommendation: Farmers can easily identify the crop disease by simply taking a picture of it and getting a quick remedy recommendation through the app.
2. Weather forecast and advisory: The app provides up-to-date weather forecasts and alerts, enabling farmers to plan their farming activities effectively.
3. Real-time chat and call support: Farmers can communicate with agriculture experts through chat or call to get timely assistance and advice regarding their farming issues.
4. Crop market information: The platform provides real-time crop prices, market trends, and demand forecasts, helping farmers to make informed decisions about their crop sales.
5. Order and delivery tracking: Farmers can place orders for agricultural inputs and track their delivery status through the app, ensuring timely and efficient delivery.
6. Personalized recommendations and alerts: The app provides personalized recommendations and alerts to farmers based on their farming practices and preferences, helping them to optimize their farming operations.
7. Farm management tools: The platform provides a suite of farm management tools, including farm inventory management, expense tracking, and yield forecasting, enabling farmers to manage their farms more efficiently.



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Significance of the Study

The success of the project is deemed beneficial for the following individuals or groups:

End-Users. Most probably farmers are the end-users of the project. The application will help them have a more accessible and always available platform to seek for agriculture-related advices.

Researchers. The success of the project will fuel them in creating more helpful programs for the benefits of different individuals and groups. It is a way to showcase the skills of the researchers in the field of mobile application and web development.

Future Researchers. The project can serve as their basis if they wish also to design and develop mobile based learning application.

AgriAdvice, an online and mobile application for agriculture consultancy and customer service platform, offers numerous benefits and advantages to farmers and agriculture businesses. Firstly, the platform provides farmers with easy access to agricultural consultants who can provide expert advice on various farming issues, including crop management, livestock care, and pest control. This can help farmers make informed decisions, improve their crop yield and quality, and ultimately increase their profits.

Secondly, AgriAdvice's customer service feature enables farmers to receive immediate assistance with any issues they may encounter. This includes technical support for the platform itself, as well as assistance with purchasing agricultural supplies and products. With AgriAdvice, farmers no longer have to wait for long periods to receive the help they need.

Thirdly, the mobile application feature of AgriAdvice makes it convenient for farmers to access the platform and receive real-time updates on their crops and livestock, regardless of their location. This allows farmers to stay informed and make timely decisions, even when they are away from their farms.

Overall, AgriAdvice provides farmers with an efficient and effective way to manage their farms, access expert advice, and receive quick customer support. By utilizing this platform, farmers can increase their productivity, improve their crop quality and yield, and ultimately, increase their profitability.

Conclusion

The researchers conducted the study in order to design, develop, and deploy an online and mobile-based application for Agricultural Consultation and Customer Service. The constructed technology was made available to the study's intended users and respondents. In terms of user acceptability, efficacy, dependability, productivity, and quality, the respondents and intended



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end-users responded positively to the system. The majority of responders recognized the system's potential. As a result, the researchers concluded that the application is a beneficial tool for assisting end-users in obtaining more trustworthy and convenient agricultural consults.

Recommendations

The significance of the study's findings encouraged the researchers to vigorously urge for the system's deployment. The system's adoption will allow end-users who require agricultural advice to get immediate assistance via online consultation. The method is highly recommended due to its effectiveness and dependability, which may be supplied to individuals seeking rapid agricultural consultation.

The researchers' main recommendations are as follows:

1. Users should consider using the system for them to easily and efficiently seek immediate consultation about agriculture.
2. The researchers recommend that users become knowledgeable about how to use the system to effectively ask for assistance online.
3. The implementation of the system is highly recommended to ensure that patients obtain more reliable and convenient consultations about agriculture.
4. Because of the efficiency and consistency, it can provide to the intended end-users, the system is recommended.

Summary

The capstone project, "AgriAdvice: Online and Mobile Application for Agriculture Consultancy and Customer Service Platform" is an online and mobile-based learning platform to consult for agriculture related advices and for customers to reach out about their concerns related to agriculture. The application will contain accessible learning materials about agriculture that the user may rely for advice and to answer the concerns of the customer. The developed system was provided to the study's target users and respondents. In terms of user acceptability, effectiveness, reliability, productivity, and quality, the respondents and target end-users responded positively to the system. The system's potential has been recognized by the majority of respondents. The system's implementation will help end-user who need agriculture related advices can seek immediate help through online consultation. The system is highly recommended due to its efficiency and dependability, which can be provided to those who seek immediate consultation about agriculture.