



Farmer Plaza

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ABSTRACT

Farmer Plaza is a transformative project aimed at revolutionizing the agricultural sector by harnessing the power of technology. The project focuses on creating a comprehensive platform that connects farmers, buyers, and suppliers, facilitating efficient trade and access to essential resources.

Key features of Farmer Plaza include an online marketplace where farmers can sell their produce directly to consumers and businesses, cutting out middlemen and increasing their profits. The platform also provides access to agricultural inputs such as seeds, fertilizers, and machinery, ensuring farmers have the tools they need for success

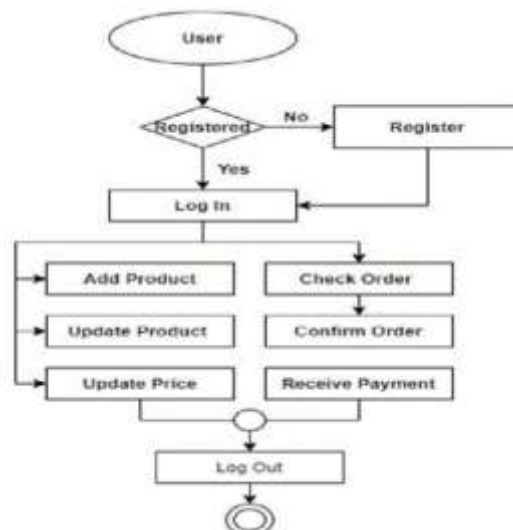
1. Introduction

Farmer's Plaza is an Android Application which provides essential way for selling farming products such as vegetables, sugar, wheat, etc also is a CLOUD based application which provides the different internet cloud networks on the server side so that wherever the farmer will be suppose in the farm he can easily access the database.

It provides simple and easy way so that the customer and farmer can communicate easily related to their products of farm. We have provided the REST protocol for fast communication and security. This application is multilingual, web-based e-procurement solution providing comprehensive information targeted at the farmer. Farmers were unaware of the latest techniques in farming such as soil analysis, etc. This android application is provided on the smartphone, tablets, iphone and also it is web based application so that the farmer can edit or upload their updates related to the farm.

This application work as a mediator between farmer and customer to provide the efficient way for selling and buying the item related to the farm. Also by using this application the farmer will get the proper knowledge of farm related concepts. The queries about the farm is been solved in this application by answering the appropriate farm related queries. For this purpose we have provided a Dashboard in this android application. This application provides the important links and the government policies for the farmers

1.1 Planning



1.2 Literature survey

Supporting Crop Farmers with a Cloud-Enabled Mobile App” by using this reference we got that the mobile technology is increasingly being adopted in the agricultural space as a measure to assist farmers indecision. In this regard, the MobiCrop project was initiated by the researchers from the College of Agriculture at the University of Saskatchewan, Canada, and the Multi-Agent Distributed Mobile and Ubiquitous Computing (MADMUC) Lab. The aim of the project is to enable farmers to have mobile access to up to date information on pesticides and further make decisions on which pesticides to apply, how to apply them, when to apply them, and so on. Due to its complexity, MobiCrop is designed as a mobile distributed system that follows a threelayered deployment; comprising of mobile nodes, a cloud-hosted middleware, and a cloud-hosted database server.

2. Illustrations

1.login page



2.Dashbord for admin

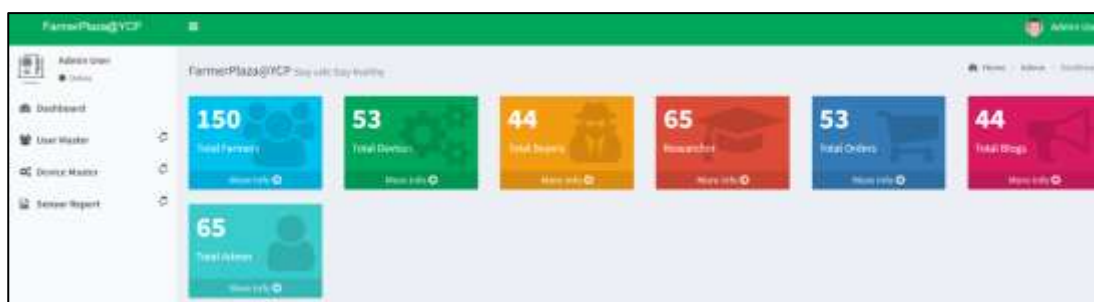


Fig. 1

3.Advantages

1. Market Access: Provides farmers a platform to connect directly with buyers, expanding their market reach.
2. Price Transparency: Enables farmers to view real-time market prices, helping them make informed decisions.
3. Reduced Middlemen: Cuts down on intermediaries, allowing farmers to receive a higher portion of their earnings
4. Efficient Logistics: Streamlines the supply chain, reducing transportation costs and improving delivery timelines.
5. Information Hub: Offers valuable information on weather, crop management, and best practices, enhancing productivity.

4. Limitation

1. Technology Access: Farmers with limited access to smartphones or the internet may face challenges in using the application.
2. Language Barrier: If the app is not available in regional languages, it may hinder communication for non-English-speaking farmers.
3. Infrastructure Challenges: In areas with poor connectivity, slow internet speeds may impede the app's functionality.

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References

- <https://github.com/topics/farmer-plaza>
- <https://www.jetir.org/papers/JETIR2107799.pdf>
- <https://www.postermywall.com/index.php/posters/search?s=farmers%20market%20poster>