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Agri India using Android Application

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Abstract: *Mobile internet will help farmers to sell their products directly to consumers and food processing industries. This paper provides market information to a farmer using its easy interface on the mobile application. The mobile application is intended to be used for a fast and updated information-delivering system for farmers. Also, it has native language support to make the transaction easy for farmers. The mobile application treats farmers as a seller anda buyer. The intention behind this paper is to help farmers so they buy or sell their agricultural goods and products. Market prices provided by data.gov.in let the system keep the selling and buying prices in control. As the products are to be browsed and there may be plenty of products for the user. To make browsing easy many filters can provide. Farmers face many problems while selling their goods and products, this system promises to provide an easy and recreational way to sell the products. The system lets the farmers sell goods at a reasonable price and makesbusiness even fair and transparent. Consumers are on the opposite side of the same coin. This system lets a consumer choose from a wide variety of products, select the product as per their requirement, and also apply price filters.*

Keywords: Android, Agriculture

I. INTRODUCTION

Farmers are the spine of India. Agriculture represents 17.-18% of the GDP (Gross Domestic Product) in 2017-18 and around half of the workforce. Agriculture is geographically the broadest financial segment and assumes a huge part of the general financial texture of India. Farmers work vigorously all through the session to develop their harvests; they confront a lot of issues over the season like characteristic disasters, unpredictable rain, and the unavailability of water resources. Farmers need more facilities to tackle the issues. If they could manage all the issues and produce their product the second major issues arise the price they won't get the market price of their product they face lots of issues with price money most of the time they will not get the price for their product as per there expectation because of market strategy. The farmer also manages other than farming like handling the transportation, stockpiling, or storage which is incorporated into the agribusiness market. These exercises are deficient in the economy of agricultural business. The factor which are demotivating the farmer's efforts is transportation where the farmer has to bear the transportation cost because the marketplace is far away from the farming location. It is the main obstacle in the way of effective marketing. The farming areas are not connected to the marketplace by roads. A lot of agricultural products are wasted due to the transport problem. The farmer borrows money from others to buy the seed in the market. Farmers do not use the improved seeds and fertilizers, so the quality of the product is very poor due to which they get low prices in the market. Another major storage issue, storage facilities are required by the producers as well as by the government. The farmers need warehouses to preserve and sell their products at a suitable time. The government needs a store for keeping reserve stocks. prices for their product because of the intermediary entities. The intermediary entities take a big share of the farmer's income without Due to the lack of storage facilities, a lot of products are damaged because of lack of storage facilities. The farmer is not getting enough doing anything. A farmer isn't familiar with various sales taking place at various places or the best deals for his product. The Intermediate Entity provides this information in a limited quantity and takes a big commission on it. They will buy the bulk amount of products from the farmers at low prices and sell them to the food processing industry at high prices. The intermediate person is getting more profit than the farmer.

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II. LITERATURE SURVEY

The are different papers regarding farming applications. Mobile internet will help the farmers to sell their products directly to consumers and food processing industries. The mobile application treats farmers as a seller and a buyer. The intention is to help farmers so they buy or sell their agricultural goods and products. Farmers face many problems while selling their goods and products, this system promises to provide an easy and recreational way to sell the products. N. The basic objective of the system is to consider everyone's needs and full fills their requirement with a fair and transparent agriculture business. Mobile phones play an indispensable role in the daily life of people. Use of traditional methods in farming results in slow progress. People can see the advantages of using better approaches to cultivate crops with the tools and technologies that support farming that is yet to move into the agricultural field.

III. PROPOSED IMPLEMENTATION.

Developing an AGRI India application using Android Studio requires a structured methodology to ensure that the development process is organized, efficient, and results in a high-quality application that meets the needs of the target audience. Here is a proposed methodology for developing an AGRI India application using Android Studio: Define the project scope and requirements: The first step is to clearly define the scope of the project and the requirements of the application. This will involve conducting research to identify the needs of the target audience and understanding the features and functionality that the application should have. Plan the application architecture and design: Once the requirements are clear, the next step is to plan the application architecture and design. This will involve identifying the technologies and tools that will be used, defining the application structure, and creating wireframes or mockups of the user interfaces

IV. ANDROID STUDIO FEATURES

- Instant App Run
- Visual Layout Editor
- Fast Emulator
- Help to Build an app for All Devices
- Help to Connect with Firebase
- Support java
- Color Preview
- Maven Repository

V. FLOWCHART

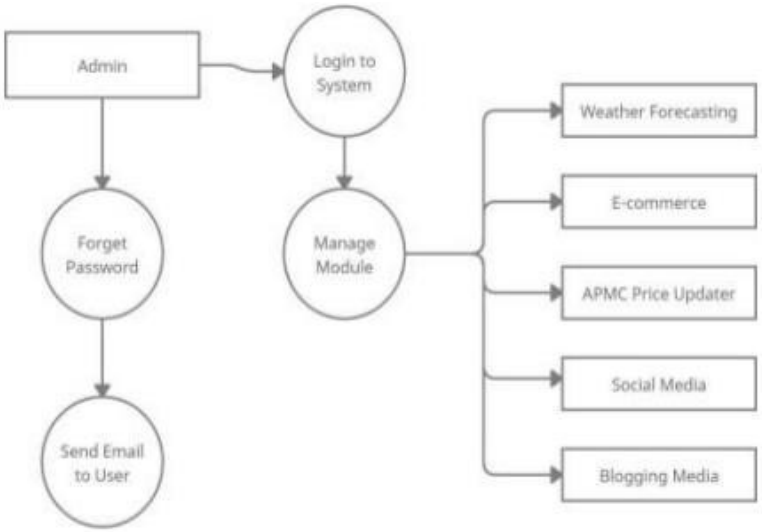

Figure: Flowchart of the system

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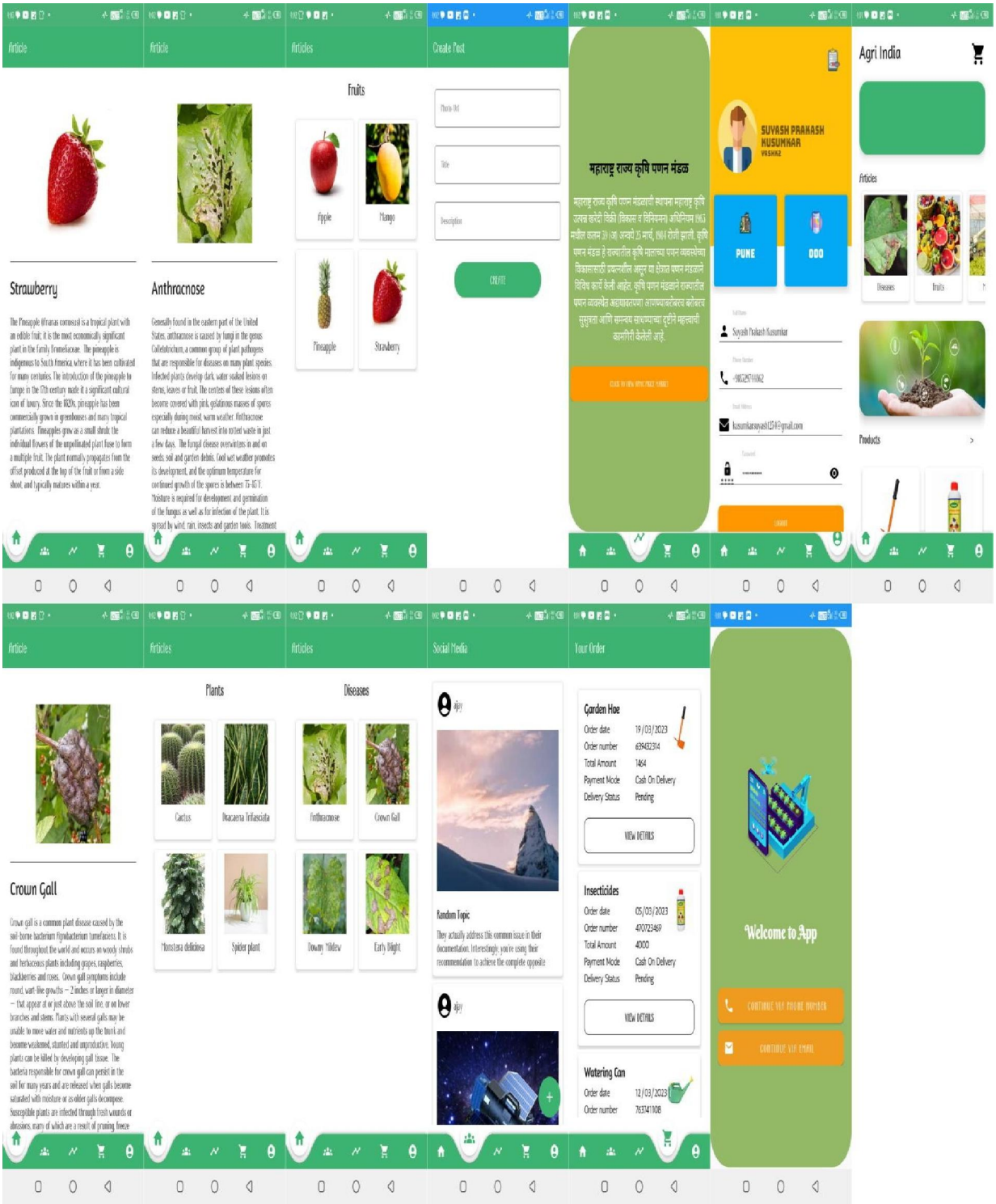
VI. OUTPUT



VII. CONCLUSION

The AGRI INDIA APP creates an innovative platform for interaction between different users as farmers or customers. Implementing this application, helps customers to find farmers who are reliable for them to buy crops. Customers can view details of farmers and their crop details. Hence, they can buy crops from farmers directly by contacting them. This App help to reduce the problems of farmers by introducing a platform with different operating interfaces that provide

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services that are needed by farmers such as knowing the details of information required for the cultivation of each crop, weather forecasting for each selected location, Market rates of each crop in a different location, supporting expert's advisories, diseases, and prevention methods for each crop weeds, renting of agricultural machines, trending news regarding agriculture, etc. And this application also provides a platform for helping customers to know about their nearest farmers for taking orders of their food crops.

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