

# EVOLUTION FROM TRADITIONAL FARMING TO DIGITAL FARMING

Nigade Monali<sup>1</sup>, Kadam Snehal<sup>2</sup>, Nikam Mayur<sup>3</sup>, Prof. Chavan G.B<sup>4</sup>

<sup>1,2,3</sup> Students, Department of Information Technology, SVPM'S College of Engineering Malegaon (Bk), Maharashtra, India

<sup>4</sup> Professor, Department of Information Technology, SVPM'S College of Engineering Malegaon (Bk), Maharashtra, India

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**ABSTRACT:** This software application is basically for sustainable development of farmers many times farmers is confused to take decision regarding selection of fertilizer, pesticide and time to do particular farming action. So avoid this problem this application is very useful. Digital farmer application is a android based application which provides information to farmer regarding different crops and farmer practices and other agriculture products. It is dynamic and interactive to take in the feedback and the other input from the end user and can guide people regarding the different procedures that need to be adopted. This approach makes a simulation of live environment which takes different aspects into consideration like market demand-and-supply, production forecast, fertilizer preference etc. It stores all expenses required for farm and cost for worker also find the details of market rate for different nearby market.

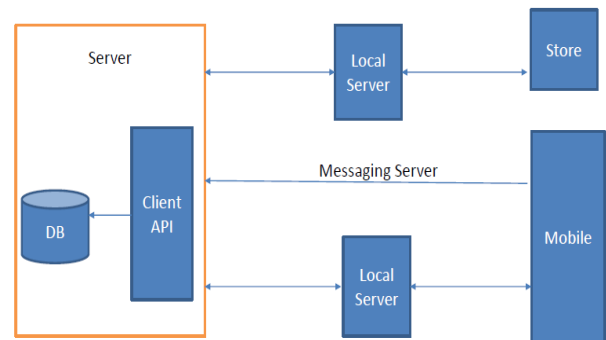
## INTRODUCTION:

As the android is the current trend in the today's world, each and every domain has android based application. But it is relatively less advancement in the technology in the field of agriculture. In this silicon era, where everything is developed as software and agricultural being the base of occupation of our nation. Digital farmer app is a revolutionary android based agriculture mobile application, which helps user to take informed decision by accessing customized agricultural information related to their need. Our agricultural app will also provide latest technology, tools, method, price and fertilizer. This project facilitates dynamic updating and act as guideline for farmer. This project shows a simulation of live environment which takes different aspect into consideration like market demand and supply production, forecast, fertilizer preferences etc. It is stored all expenses of farm and worker its find the details of market rate for different market.

## PROBLEM STATEMENT:

To analyses the building requirement of farmer and building android application for farmed containing information of crop, fertilizer and providing notification system for incremental growth of the crop.

## WORKING OF PROPOSED SYSTEM



**Admin module:** In this module we are authenticating the user by providing user name and password.

**Database module:** These modules stores every single information about product, market rate and model their data on specified operation.

**User module:** This module is designed for farmer which use mobile phone to take worker report, check market rate, stored daily expenses, store medicine details etc.

## PROPOSED SYSTEM:

Digital farming is an integrated farm management application. It is targeted to those farmer who wish to professionally manage their farm by planning, monitoring, recording, tracking and analysing all farming activities. Digital farming is designed to work on all android platform mobile devices.

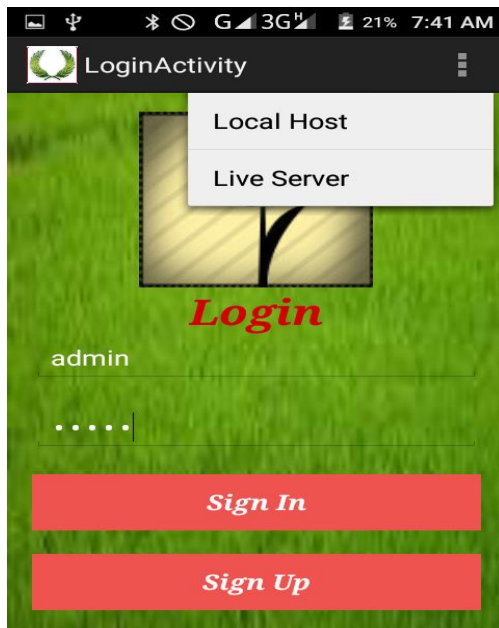
## SYSTEM FUNCTION:

- Keep record of all assets of his farm
- Get access to pesticides, fertilizers and seed databases.
- Plan farming activities monitor execution and have a full log of all farming activities.
- Prepare financial budgets and monitor its execution.
- All data is available locally on mobile devices.

**EXISTING SYSTEM:**

- Existing app has many drawback.
- Existing app is costly and require high maintenance.
- Not user friendly.

**LOGIN FORM:**



**MENU SCREEN:**



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**CONCLUSION:**

The success of these project lies in the efficient delivery of services to the farmers by creating a common platform for both public and private sector to exchange their resources. Services can be provide to the farmers, would amount to a natural success of the propose initiative.

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