Farming Assistant Web Service

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***Abstract*- This innovative site allows for good farmer, retailer and supplier communication, it allows farmers to login and communication to respective dealers /buyers. When dealers publish an advertisement or offer, the respective farmers get notified via e-mail message. Farmer can directly contact suppliers by searching online. Farmer may submit their grievances online. Farmers get notification of any new offers/ schemes.**

It implements a conceptual framework for modeling the production system at a farm scale. The web system supports the design of the production system, which logically split in three parts: the decision support subsystem, the technical sub-system, and the bio-physical subsystem.

I.INTRODUCTION

A Web project to help farmers ensure greater profitability through direct farmer to supplier and farmer to farmer communication. This service boosts business communication and brings transparency in the system. Separate login areas with appropriated functionality for farmers, suppliers and authorities. A separate page where only farmers can post complaints and only assigned administrators can read and edit this page. This innovative site allows for good farmer, retailer and supplier communication. It allows farmers to login and communicate to respective dealers. When dealers publish an advertisement or offer, the respective farmers get notified via SMS message. The farmers may also submit their grievances and complaints to respective dealers or authorities using their farmer login on a separate complaints page and authorities will get access to that page regularly using their login id and passwords. A Web project to help farmers ensure greater profitability through direct farmer to supplier and farmer to farmer communication. This service boosts business communication and brings transparency in the system. Separate login areas with appropriated functionality for farmers, suppliers and authorities. A separate page where only farmers can post complaints and only assigned administrators can read and edit this page. This innovative site allows for good farmer, retailer and supplier communication. It allows farmers to login and communicate to respective dealers. When dealers publish an advertisement or offer, the respective farmers get notified via SMS message. The farmers may also submit their grievances and complaints to respective dealers or authorities using their farmer login on a separate complaints page and authorities will get access to that page regularly using their login id and passwords.

II. MODULE DESCRIPTION

Buyer: Buyer module contains:

- Buyer details
- Post Advertisements/complaints
- Crop Received

Farmer/supplier: Farmer module contains: Complaint Status

- Farming Tips
- Crop Advertisement Details
- Sell Crop
- Sell Crop Details
- Edit Farmer Details

Admin: Admin module contains:

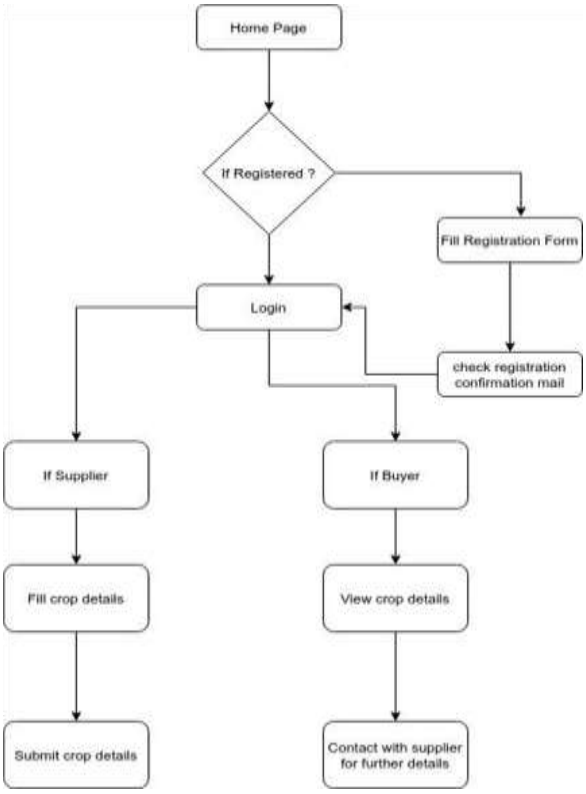
- View Complaint
- Farming Tips

III. LITERATURE SURVEY

It reviews three main research areas. Firstly, it traces the agricultural problems, technology adoption role and issues through extension services particularly in India and in the world in general. Secondly, by

finding the factors that are affecting the extension services through proper use of ICTs or determining the factors of transfer of technologies. By doing so, this chapter helps build the fundamental concepts of ICT and decision making at all levels of agricultural decision-making process. Lastly, it presents a comprehensive review of various models used by previous researchers in facilitating the information content concerned with farmers in retrieving the information needed in their decision-making process.

IV. SYSTEM ARCHITECTURE



V. IMPLEMENTATION

The set of tables is created using the relational database for the identified entities at the design stage. The uniqueness of the data fields in these tables are established using primary keys, while the relationships are maintained using foreign keys [ELM94, FER98]. The web pages of this farming assistant web service will guide the use and operation of this system. Figure 1 illustrates the index page for our farming assistant web service Respective modules there and is chosen through a hyperlink of this page. For instance information on research done on rubber by institutes can be viewed through respective the hyperlinks. The system will be having only one User-name and Password section on the front page, as per the user-name and password the system will know whether user is Farmer/Customer/Dealer. We follow the MVC design pattern for developing our system. Model–view–controller (MVC) is a software design pattern for implementing user interfaces on computers. It divides a given software application into three interconnected parts, so as to

-VI. FUTURE WORK

The future plan of this project is to improved design; implementation and documentation in such a way that anyone can use this project for better perform. we will develop the site more dynamically. In future we will add few more modules for better improvement of the project such as, real-time chat bot option for user and farmer, so that user can directly enquiry their problem at any time through the chat bot. Video conversation option for supplier and farmer and admin and barcode generation for membership card and using online buy and sell product. Online account verification and notification for user, for specific job category they are searching for jobs. In future we will also add mobile version app of this website.

VII. CONCLUSION

The “Farming Assistant Web Service” is successfully designed and developed to fulfill the necessary requirements, as identified in the requirements analysis phase, such as the system is very much user friendly, form level validation and field level validation are performing very good. The old manual system was suffering from a series of drawbacks. The present project has been developed to meet the aspirations indicated in the modern age. Through the developed project, anyone can visualize the effectiveness and efficiency in the real life. It is very helpful for computerization or doing automation of a personal information management system. This program helps reduce the manual method and stress which is done by a person and that is time consuming and lengthy process. With this application user’s

information are stored very efficiently in a secured database. Trend of information improvement in the generation has improved the quality and services of human operation just as the case of this application for job services has reduce the mobility rate of human and improve their standard of database storage.

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