International Journal of Advances in Engineering and Management (IJAEM)
Volume 5, Issue 4 April 2023, pp: 1201-1202 www.ijaem.net ISSN: 2395-5252

Farming assistant

Vedant Naokar, Ayush Deshmukh, Ankit Shingne

Date of Submission: 15-04-2023 Date of Acceptance: 25-04-2023

ABSTRACT
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. 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.

I. LITERATURE SURVEY

This chapter 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 levelsof 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.

II. PROPOSED SYSTEM

1. Planned approach towards working: - The working in the organization will be well planned and organized. The data will be stored properly in data stores. Which will help in retrieval of information as well as its storage.
2. Accuracy: The level of accuracy in the proposed system will be higher. All operation would be done correctly and it ensures that whatever information is coming from thecenter is accurate.
2. Reliability: The reliability of the proposed system will be high due to theAbove stated reasons. The reason for the increased reliability of the system is that now there would be proper storage of information.
3. No Redundancy: - In the proposed system at most care would be that no information is repeated anywhere, in storage or otherwise. This would assure economic use of storage spaceand consistency in the data stored.
4. Immediate retrieval of information: - The main objective of proposed system is to provide fora quick and efficient retrieval of information. Any type of information would be available whenever the user requires.
5. Immediate storage of information: In manual system there are many Problems to store the largest amount of information.

Technical Requirement
Hardware System Requirements
◆System: Pentium 13 Processor
◆Hard Disk 500GB
- Monitor: Standard LED Monitor

Input Devices: Keyboard

- Ram: 4 GB

Software System Requirements
◆Operating System:Window 7/8/10
- Available Coding Language: VB.Net

◆Database: MYSQL

Advantage of project
◆ Farmers can directly contact retailers suppliers by searching online.
◆Farmers may submit their grievances online.
◆ Farmers get notification of any new offers/schemes.

III. FUTURE SCOPE

Agriculture is the backbone of the economy. It provides food, raw materials and even Employment opportunities to so many people. It's been practiced for over thousands of years now. Over the years, due to the advancement and latest

trends in technology, agricultural techniques have also evolved. But in india, there are small and marginal farmers who practice old, traditional methods due to lack of resources. Hence, this system works as a virtual assistant which guides the farmers by answering all their queries regarding agricultural practices, thereby helping them generate higher profits. In future the chat may be enabled to send queries in the form of pictures and videos and get the right response. Future scope would be enabling audio and video calling features with the expert, enabling video and image response from the chatbot and language translation i.e. from english to the local language that is understood by the farmers. Overall, this initiative of implementing chatbots will assist farmers and thereby boost the economy of the country. Abbreviations

IV. CONCLUSION

The "Web Farming Assistant System" 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 helpsreduce 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.

REFERENCES

[1]. D. Sawant, A. Jaiswal, J. Singh, P. Shah Agribot – an intelligent interactive interface to assist farmers in agricultural activities Proceedings of the Bombay Section Signature Conference (IBSSC), IEEE (2019) Google Scholar P.Y. Niranjan, V.S. Rajpurohit, R. Malgi A survey on chat-bot system for agriculture 21

[2]. Domain Technology (ICAIT) (2019) Google Scholar Proceedings of the 1st International Conference on Advances in Information

[3]. F.Patel, R. Thakore, I. Nandwani, S.K. Bharti Combating depression in students using an intelligent Chatbot: a cognitive behavioral therapy Proceedings of the 16th India Council International Conference (INDICON), IEEE (2019)