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AGRI HELP LINE

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ABSTRACT: The objective of the project is to design an agriculture portal which provides solutions to farmers and agriculture students. The farmers can know about Soil analysis and market information. This system is a web-based application through which farmers and students can access the required information. The system helps farmers to make decisions on market and prices. Farmers can access salt and fertilizer analysis for a particular region. The system provides solutions to queries and problems faced by farmers. The system also helps students to access the information for their research and academic purposes.

KEYWORDS: Soil analysis, Market information, Current market price.

I. INTRODUCTION

The project entitled “AGRI HELP LINE” developed PHP as a front end and MySQL as a backend. Now-a-days e-websites are playing a vital role in every field to be at a peak in their respective field. This project is developed to create a website which will help farmers from various villages to access this website in global network i.e. different cities.

The overall objective of the project is in accordance with the policy which involves the former to communicate with Agri officer and get crop suggestion. Here, the main use of this website is learn about agriculture to farmers and user. Farmer can know about crop current market price. Users can view all the market and soil analysis in this web.

II. EXITSITNG SYSTEM & PROPOSED SYSTEM

PROPOSED SYSTEM

The proposed system is a web-based application through which farmers and students can access the required information. (The system maintains details of crop and soil analysis. The system helps farmers to make decisions on market and prices. The system provides solutions to queries and problems faced by farmers. The system also helps students to access the information for their research and academic purposes.

EXISTING SYSTEM

The present systems are inadequate in providing information and advices to the needy farmers and students. Often farmers are compelled to rely on local information sources and count on their own experiences regarding crops and markets. Soil analysis is not done scientifically, with any authorities available to authenticate data.

III. MODULES

- ❖ Administrator
- ❖ Agriculture officers
- ❖ Farmers
- ❖ Agriculture Students and
- ❖ General public

Administrator

Administrator does individual profile management from all kinds of users. Administrator coordinates online query handling for all users. General queries are handles by administrator and specific queries are forwarded to agriculture officers. Administrator facilitates communication between users, experts and general public through forums, chat, mail and polls. Administrator is responsible to publish information about major crop markets and their current price. Administrator also drives awareness about various government schemes.

Agriculture officer

Agriculture officer conducts basic soil analysis for all regions and provides suggestions on which fertilizers to use and in how much quantity. Officers also suggest which crop, herb or vegetable can be grown in which area and in which season. Officers handle online queries from users. Officers can schedule trainings and publish it online.

Farmers

Agriculture officer conducts basic soil analysis for all regions and provides suggestions on which fertilizers to use and in how much quantity. Officers also suggest which crop, herb or vegetable can be grown in which area and in which season. Officers handle online queries from users. Officers can schedule trainings and publish it online.

Agriculture student

Students must register with the system to access information. Students can interact with officers and experts to gain knowledge regarding agricultural practices. Students can access soil analysis reports.

General public

General public include users, experts, businessmen and NGOs. Users can access general information regarding agriculture sector. Experts and businessmen can send the information about their tools and solutions on chargeable basis. NGOs try to spread messages to make agriculture eco-friendly.

IV. INPUT DESIGN & OUTPUT DESIGN

Input design is the process of converting user-originated inputs to a computer-based format. Input design is one of the most expensive phases of the operation of computerized system and is often the major problem of a system. In the project, the input design is made in various web forms with various methods. For example, in the user creation form, the empty username and password is not allowed. The username if exists in the database, the input is considered to be invalid and is not accepted. Likewise, during the login process, the username is a must and must be available in the user list in the database. Then only login is allowed.

Input forms are

User registration

Add crop

soil analysis

Output design generally refers to the results and information that are generated by the system for many end-users; output is the main reason for developing the system and the basis on which they evaluate the usefulness of the application. In the project, the user details, the web log, are the web forms in which the output is available.

Outputs are

View crop details

Forum

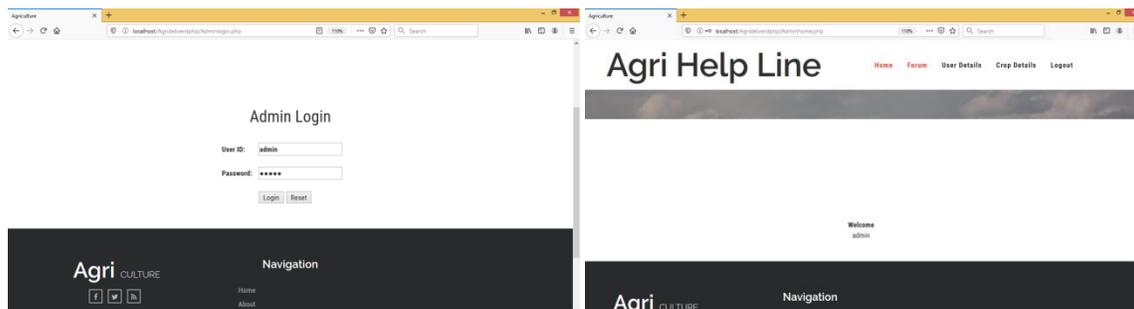


Figure 1 -input design Output design for Admin Login Details

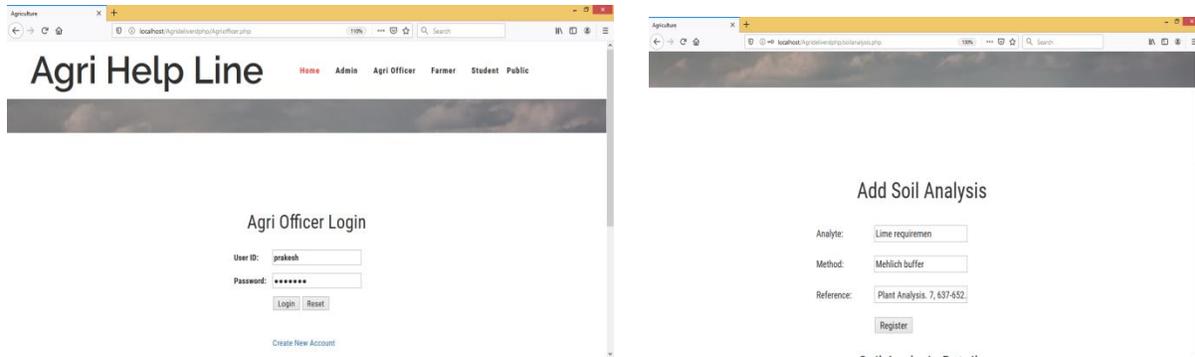


Figure 2 - Input design and output design for Agri officer Details

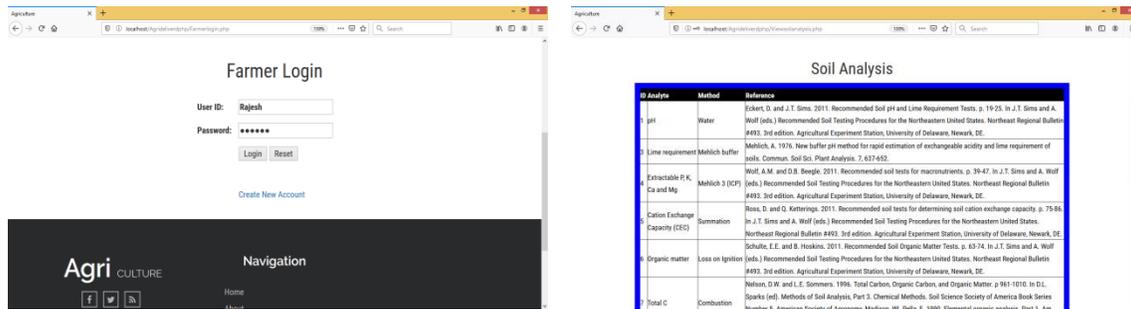


Figure 3 - Input design form and output design for Former Details

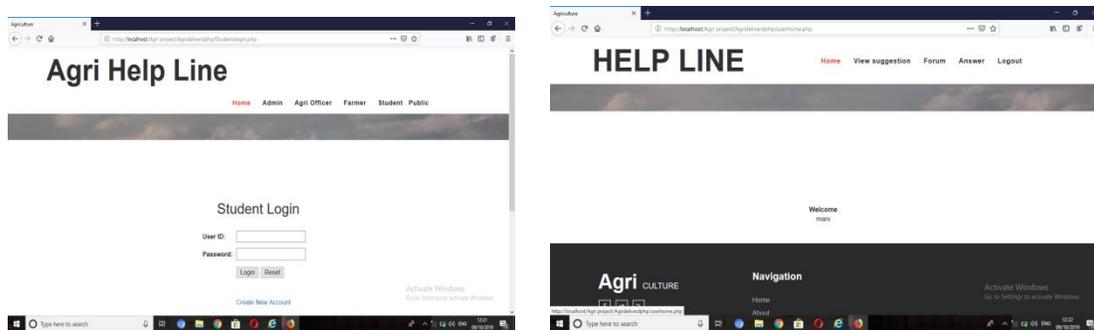


Figure 4 – Input design and Output design form for student details

V. CONCLUSION & SCOPE FOR FUTURE ENHANCEMENT

CONCLUSION

It has been a great pleasure for me to work on this exciting and challenging project. This project proved good for me as it provided practical knowledge of not only programming in PHP web-based application and no some extent Windows Application and MySQL Server, but also about all handling procedure related with “**Agri Help Line**”. It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

SCOPE FOR FUTURE ENCHANCEMENT

Currently it is implemented for single state and it can be future enhanced for other state too in future. In future, the project “AGRI HELP LINE” can enhanced to features that the new end user will also be developed. A relation is said to be in first normal form if the values in the relation are atomic for every attribute in the relation. By this we mean simply that no attribute value can be a set of values or, as it is sometimes expressed, a repeating group.

REFERENCES

- [1]. References 51 8 References Ai, Y., Sun, Y., Huang, W., & Qiao, X. (2007).
- [2]. OSGi Based Integrated Service Platform for Automotive Telematics. In proceedings of the IEEE International Conference on Vehicular Electronics and Safety ICVES 2007, Beijing, China. Andersson, M. (2006).
- [3]. Ubiquitous Transportation Systems: Negotiating Context through a Mobile-Stationary Interface. In proceedings of the 14th European Conference on Information Systems, Gothenburg, Sweden. Andersson, M. (2007).
- [4]. Heterogeneous IT Innovation: Developing Industrial Architectural Knowledge. Unpublished PhD Thesis, University of Gothenburg, Sweden. Andersson, R. J. (1994).
- [5]. Representations and Requirements: The Value of Ethnography in Systems Design. *Human Computer Interaction*, 9(2), 151-182. Benbasat, I., & Zmud, R. W. (1999).
- [6]. Empirical Research in Information Systems: The Practice of Relevance. *MIS Quarterly*, 23(1), 3-16. Bhaskar, R. (1979).
- [7]. The Possibility of Naturalism. Brighton, UK: Harvester Press. Bisdikian, C., Boamah, I., Castro, P., Misra, A., Rubas, J., Villoutreix, N., et al. (2002).
- [8]. Intelligent pervasive middleware for context-based and localized telematics services. In proceedings of the 2nd international workshop on Mobile commerce, Atlanta, Georgia, USA. Boland Jr, R. J., Lyytinen, K., & Yoo, Y. (2007).
- [9]. Wakes of Innovation in Project Networks: The Case of Digital 3-D Representations in Architecture, Engineering, and Construction. *Organization Science*, 18(4), 631-647. Bowen, J. (1990).
- [10]. Development of a Taxonomy of Services to Gain Strategic Marketing Insights. *Journal of the Academy of Marketing Science*, 18(1), 43-49. Vehicle Services 52 Brynjolfsson, E. (1993).