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Pesticides Information System

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Abstract: ***Agriculture is a important sector in India. Agriculture is backbone of Indian economy and it is primary sector of country. Farmers require advance or experts knowledge to take decision during soil preparation, seed selection, fertilizer management and pesticide management so that to get high yield. Day by day the population of India is increasing and to full fill the need of food modernization of agricultural sectors are important. As a population is increasing the production of food is also to be increase, so as to increase the productions of food farmers are using Pesticides to get the yield early. Pesticides are distributed equally on the farm and reduce the quantity of waste, which results in prevention of losses and wastage of input applied to farm. It will reduce the cost of production. The Pesticides system for farmers is a web-based system, which gives information relating to the clients and dealers of the company with respect to its pesticides product launches, pesticides information, pesticides requests. The farmers can easily get information through the website and easily retrieve the details of the pesticides, the amount of quantity of pesticides to be used; it will also give the information to which disease which pesticides should be used.***

I. INTRODUCTION

The Pesticides information system is a web based system, which gives information to the customers and dealers of the company with respect to its pesticides product launches. An application has to be developed which would minimize the flaws of existing system. This project would automate the operations of the management and would retain the present functionality available in the current system. Pesticides Information System provide proper channel for customer, dealer and the company management to communicate among themselves. This software product has been designed to provide specific services to the customer. The main intention of this system is to automate the services of the company that will reach the dealer and customer easily.

II. LITERATURE SURVEY

In [1], the development of New Expert System Tool (NEST) and its application Pesticides management system. The NEST system is rule based and uses the client server architecture. The client side consists of the Graphical User Interface (GUI), the knowledge representation model, the interface engine and the knowledge base maintenance module. The server side handles the storage and maintenance of knowledge base data at lower level using the capabilities of a Database Management System (DBMS).

In [2], National Pesticide Information Centre (NPIC) provides a science based information about a wide variety of Pesticides. The system provides a simple interface for maintenance of Dealers, Customer information it can be used by Pesticides organization to maintain the records of Pesticides, Dealers information easily and have the details of Stock i.e. how much quantity and composition of chemicals etc. It also facilitates us explore all the activities on options related to dealers, stock details, dealer pending and approved request, manager approved requests.

In [3], the web based systems are most appropriate in the situations where large numbers of users are spread over geographically far off places or different agro-climatic regions in case of agriculture applications.

In [4], popular applications are web based learning or education, consultation for diseases, telemedicine, geography and world studies as well as crop management and protection.

III. OBJECTIVES OF THE PROJECT

The main motive of the project is to provide details of the product, suggestions from the admin. To improve productivity and services. To provide website where user can know details of pesticides To manage pesticide information online.To place request by users should be full filled by dealer.

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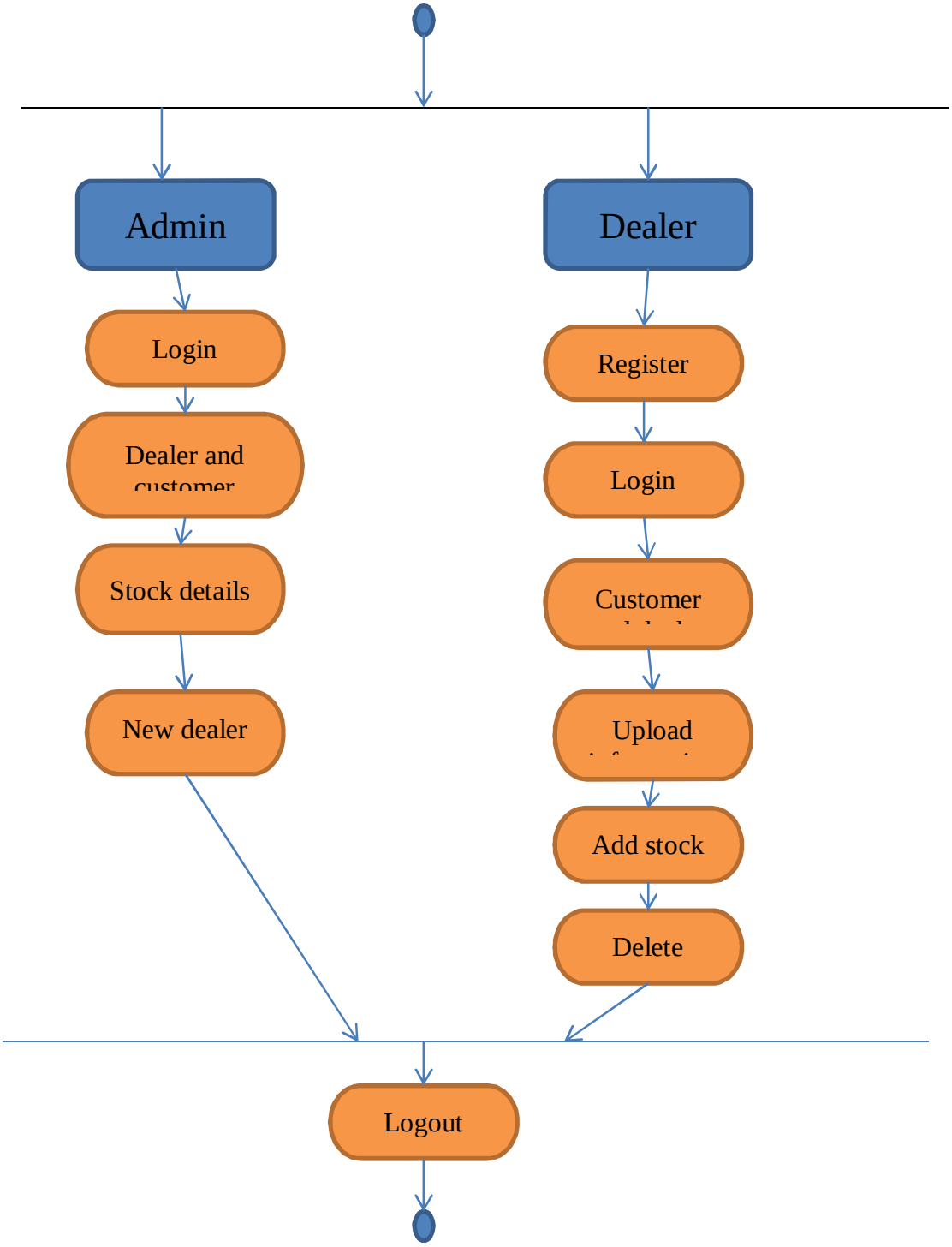
IV. DESIGN



V. PROBLEMS WITH THE EXISTING SYSTEM

There is no proper system for managing things in system. Proper security features and authentication is not available in existing system. Hence the system is time consuming and insufficient for maintaining large amount of information. This also results in improper administration drawback of this system is the activities are performed manually that takes lot of time. Proper security features are not available and sufficient space for maintaining large amount of information.

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VI. PROPOSED SYSTEM

The problem with the existing system is that there is no proper security and authentication is not available and communication between customers and dealer. To overcome the present system problem and to meet all the specified requirements of the organization. The system has to be developed to be used in diagnosing and identifying pests and diseases. The system provides different logins for dealers, customers and admin. So from this application customers get all the details of their crop in a single system.

VII. MODULE DESCRIPTION

1) *Admin:* First the admin signup is required with his/her login id and password and views the details of dealer, customer, pesticides, pesticides and stocks. In stock details the admin has right to modify the details of stocks that are insert, update and delete a pesticide information. The insert option will have any new product which has been introduced in market then the admin will insert the details of product. If the product has been expired or out of stock then the admin can delete that product details. Admin can view the pesticide request which include pending request, manager approved request, dealer approved request and show the entire requests.
2) *Dealer:* The new dealer is provided with his login id and password through he/she can sign up. We can view the details of customers, dealers, new pesticides application form, pesticide information and he/she is provided with change of password option. The dealer can approve pesticides request and forward the request to the admin then the admin approves it. The dealer provides new dealer sign up.
3) *Customer:* The customer is also provided with login id and password through which he/she can sign up. He/she can view the details of dealers, customer and pesticides and new sign up are provided which have details like name, occupation, door no, district, city, pin code, password and conform password. The customer can also change the password by changing password.

VIII. CONCLUSION

The pesticide system for farmers will help the customers to know all the details of the customers, dealers, pesticide information about crop, soil type, disease, quantity and pesticide to be used. The system provides high security and authentication to the system so it provides high performance with less response time. Providing an appropriate role for the pesticide development, pesticide testing and registration, implementation of pesticide use strategies.

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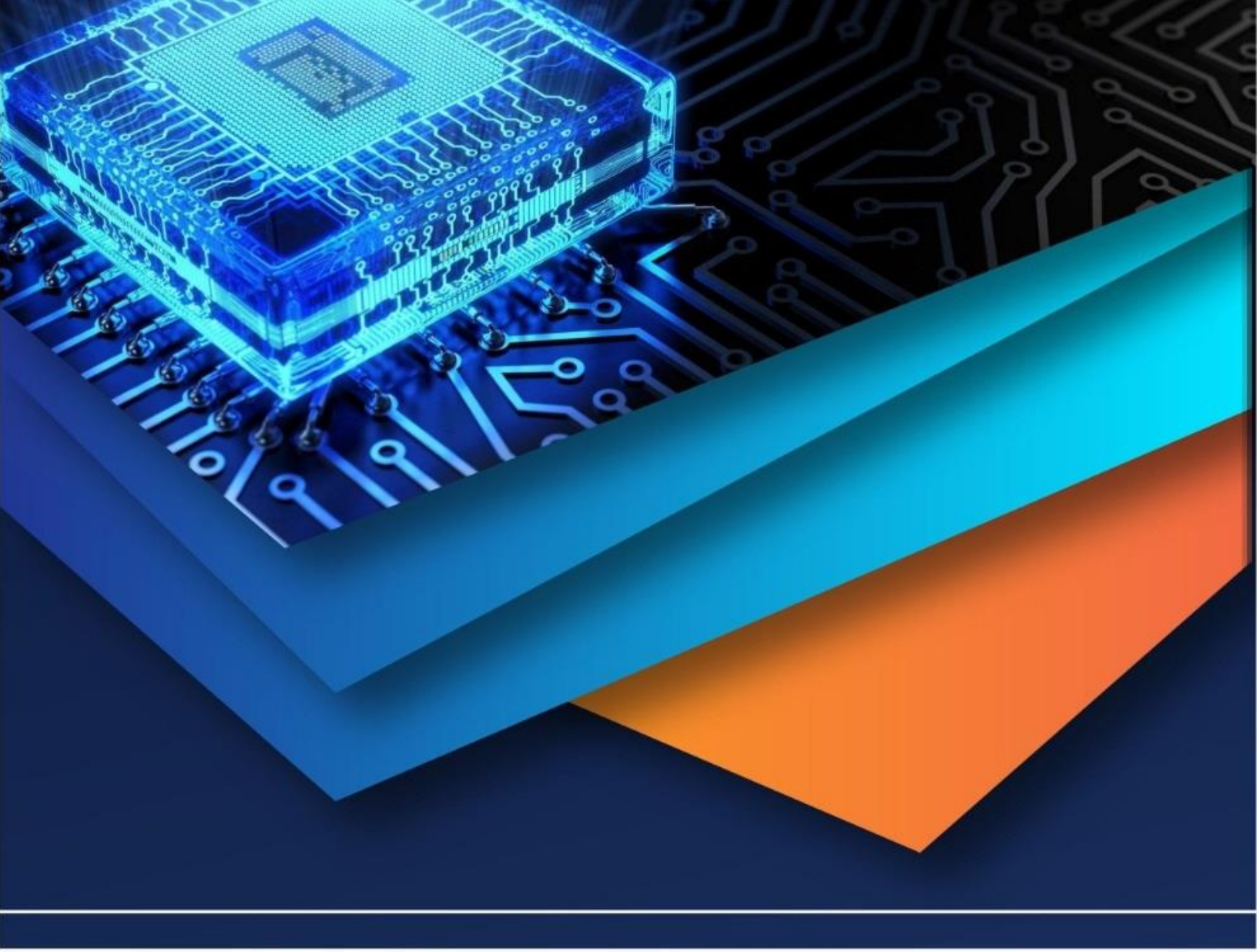

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