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Sanction On Click

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Abstract: *In this ultra-modern era, the computer is playing a vital role in the development of our society. It has helped in the automation of many industrial and business systems. Business and commercial organizations need to store and maintain voluminous amount of data for various purposes.In this system users can get sanctions or approvals from concerned departments such as panchayat (for building and ownership permission), Kerala Water Authority (for water connection) and Kerala State Electricity Board (for electricity connection) in an easy way. Now in current system user need to submit application directly to the concerned offices. Then the UDC verifies the application and related submitted documents and forward to engineer or overseer. They verify the site and give report, and then department head approve the application. The current system has lot of disadvantages. This application reduces all the paper works, so the time will be reduced. In our system user can sent application related to house construction to different department by a single system. Application process is also speed up by this system. Here the admin can add, delete, update and block all the departments and its heads. He has the responsibility for co-ordinates and controls each and every department in this system. Panchayat, KWA, KSEB and user are the other important modules. Each of these modules has other related sub modules.*

Keywords: Sanctions and Approvals, Application Process,Panchayat,Kerala Water Authority,Kerala State Board of Electricity.

I. INTRODUCTION

Kerala Government implements various schemes in the State. The works mainly comprise design, construction and commissioning of intake structures, water treatment plants, service reservoirs, laying transmission and distribution lines, installation of pumping and electrical systems and other mechanical components. Quality assurance and quality control has to be exercised at various stages for the successful implementation of the projects. Besides ensuring quality, the time line for commissioning also has to be strictly adhered to. The PWD has already prepared a Quality Control Manual to provide a base document to affect quality control in construction of projects undertaken by Kerala Public Works Department. This is intended to enable the engineers and supervisory staff to check the different activities of construction with reference to the quality aspects and ensure that standards envisaged are achieved. The above manual has to be made applicable in KWA, KSEB and panchayat also. However, the Quality Control Manual of PWD does not include some specific activities relevant to KWA. So in addition to the Kerala Public Works Department Quality Control Manual, the Quality Control Manual for the activities pertaining to KWA, KSEB and panchayat has been prepared to have a comprehensive coverage of quality assurance and quality control of all the activities.

II. METHODOLOGY

Requirement Analysis: In order to develop a new system, a detailed study of the existing system called the system analysis is necessary. Analysis is the first in the system development life cycle. Identifying the need for a new information system and launching an investigation for the required system which best satisfy the exact requirement of the user is the first part of the development activities of a system.

- System Design: Develop a comprehensive system architecture that encompasses user interfaces, databases, communication protocols, and security measures

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- Design intuitive and user-friendly interfaces for users and various authorities ensuring ease of registration, profile creation, and interaction.
- Database Development: Design and implement a robust database structure to store panchayat, kseb, water authority details, userdata, project information, references, and feedback.

III. EXISTING AND PROPOSED SYSTEMS

A) Existing Systems

The current system involves users submitting applications directly to the concerned offices, and then the applications being verified and processed by the respective departments before approvals or rejections are issued. This process involves a lot of paperwork and can be time-consuming. The Sanction on Click system aims to automate and streamline this process by allowing users to submit applications online and track the status of their applications in real-time. The system also aims to reduce paperwork and speed up the application process.

B) Limitations of Existing Systems

Users may need to physically visit the concerned offices to submit their applications, which can be inconvenient, especially for those who live far away or have mobility challenges. The manual verification and processing of applications by various departments can lead to inefficiencies and delays in granting approvals.

C) Proposed System: Sanction On Click

Sanction on Click is a partially computerised online platform that allows users to submit applications related to house construction to different departments such as Panchayat, KWA, and KSEB. The proposed system aims to simplify the application process and reduce the time required for approvals by eliminating the need for physical paperwork and enabling the automation of various tasks. In the proposed system, users can submit their applications online and track the status of their applications in real-time. The system also allows for easier communication between users and departments, as well as faster resolution of any issues or queries. The admin of the system has the responsibility of coordinating and controlling each department in the system. Each department, such as Panchayat, KWA, and KSEB, has its own set of functionalities in the proposed system. For example, Panchayat is responsible for building and ownership permission, while KWA handles water connection and KSEB handles electricity connection.

D) Advantages of Sanction On Click

User can track the status of their applications in real-time,providing transparency and reducing uncertainity.By eliminating the reliance on paper documents, the proposed system reduces the administrative burden associated with handling and storing physical paperwork.

IV. BACKGROUND

Technologies used in the project:

ReactJS is an open-source JavaScript library developed by Facebook for building user interfaces (UIs) for web applications. React is particularly well-suited for creating dynamic and interactive UI components that can efficiently update and render changes as data and states evolve.

Laravel is an open-source PHP web application framework that provides an elegant and efficient way to build web applications and APIs. It was created by Taylor Otwell and has gained widespread popularity due to its simplicity, developer-friendly features, and robust ecosystem. Laravel follows the Model- View-Controller (MVC) architectural pattern and offers a wide range of tools andfunctionalities to streamline the development process.

V. CONCLUSION

The Sanction on Click system aims to simplify and streamline the process of getting approvals and sanctions from various departments like Panchayat, KWA, and KSEB. The existing system has several disadvantages, including a lot of paperwork and time-consuming processes .The proposed system offers a solution to these problems by providing a single platform where users can submit their applications related to house construction to different departments. This

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system also reduces paperwork and speeds up the application process. The admin plays a crucial role in this system by managing and coordinating each department and its heads. Additionally, Panchayat, KWA, KSEB, and the user are the other important modules, each with its related sub-modules .In conclusion, the Sanction on Click system offers a much-needed solution to the existing problems in the approval and sanction process for house construction. It simplifies the process, saves time, and reduces paperwork, ultimately benefiting both users and government departments.

VI. FUTURE ENHANCEMENT

Currently, the system allows users to apply for sanctions or approvals online, but they still need to physically visit the concerned department to make the payment. By integrating with online payment systems, users can make the payment online, making the entire process more efficient.

Developing a mobile app for the SOC system would make it more accessible and convenient for users to apply for sanctions or approvals from their mobile devices. Integration with Geographic Information System (GIS) can provide accurate mapping of the site, which can help in faster processing of applications and approvals. Providing SMS notifications to users at various stages of the application process can help them stay informed and updated about the progress of their application .Integration with digital signature technology can make the entire process paperless, reducing the time and effort required to process applications. Implementing automated document verification using Artificial Intelligence (AI) and Machine Learning (ML) technologies can help in faster and more accurate verification of documents. Integration of a chatbot can provide an easy and user-friendly way for users to ask questions and get assistance regarding the application process .Implementing a real-time tracking system can help users track the progress of their application and get real-time updates on the status. Integration with social media can help in spreading awareness about the SOC system and increase its adoption among the general public.

Adding support for multiple languages can make the SOC system accessible to a wider range of users, including those who are not proficient in the English language

VII. SCREENSHOTS

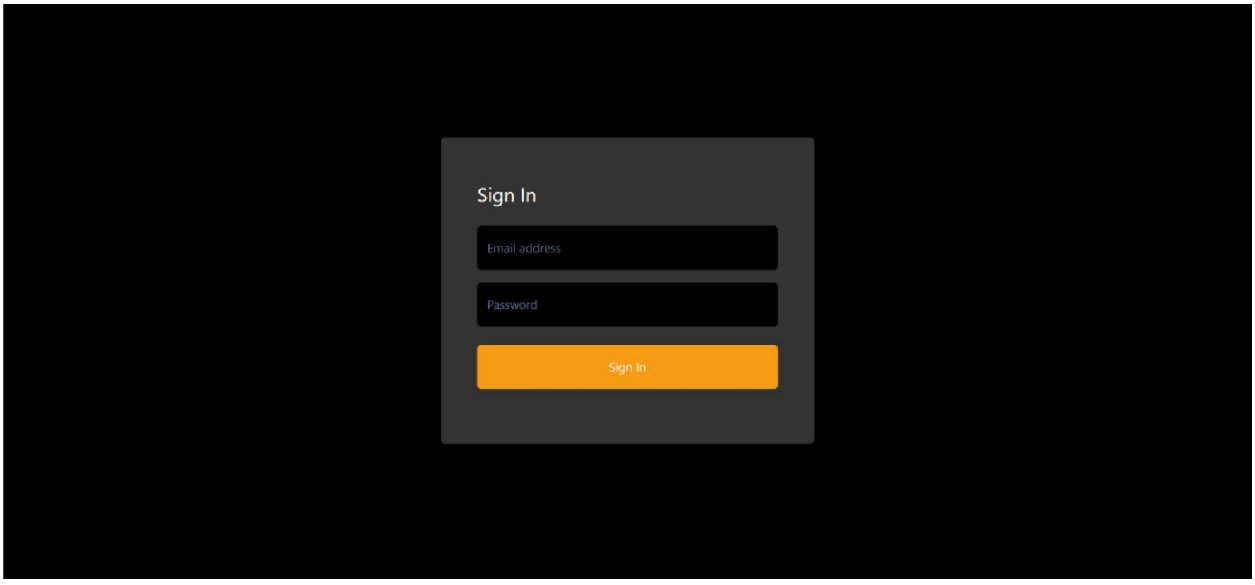

Figure 1: Login Page

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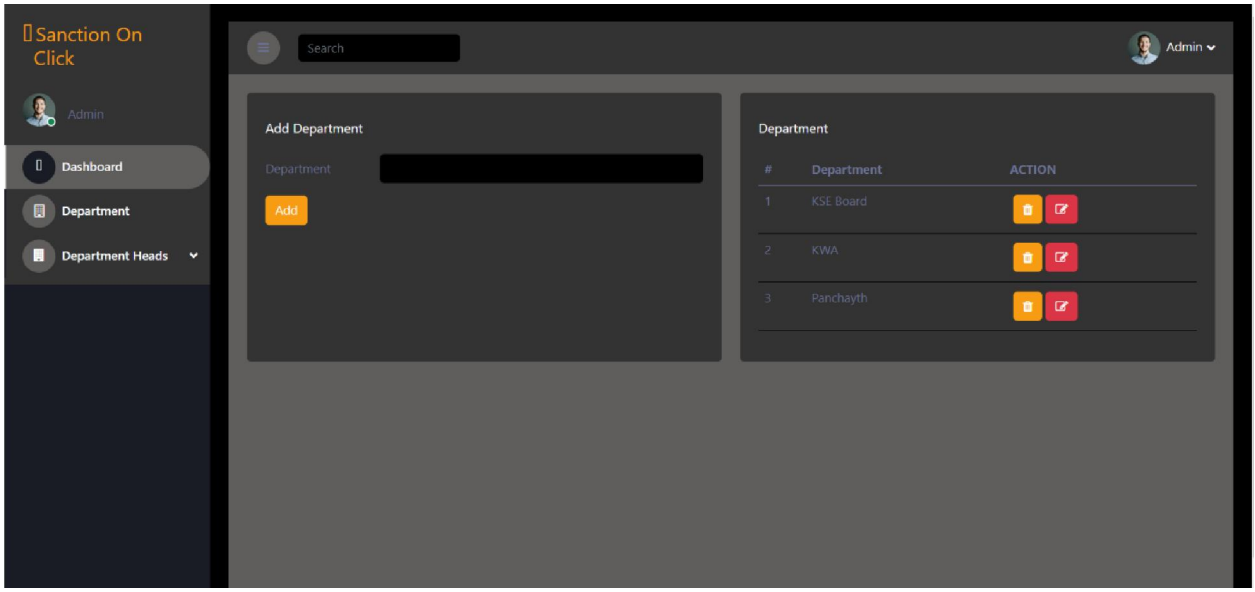

Figure 2: Department Page

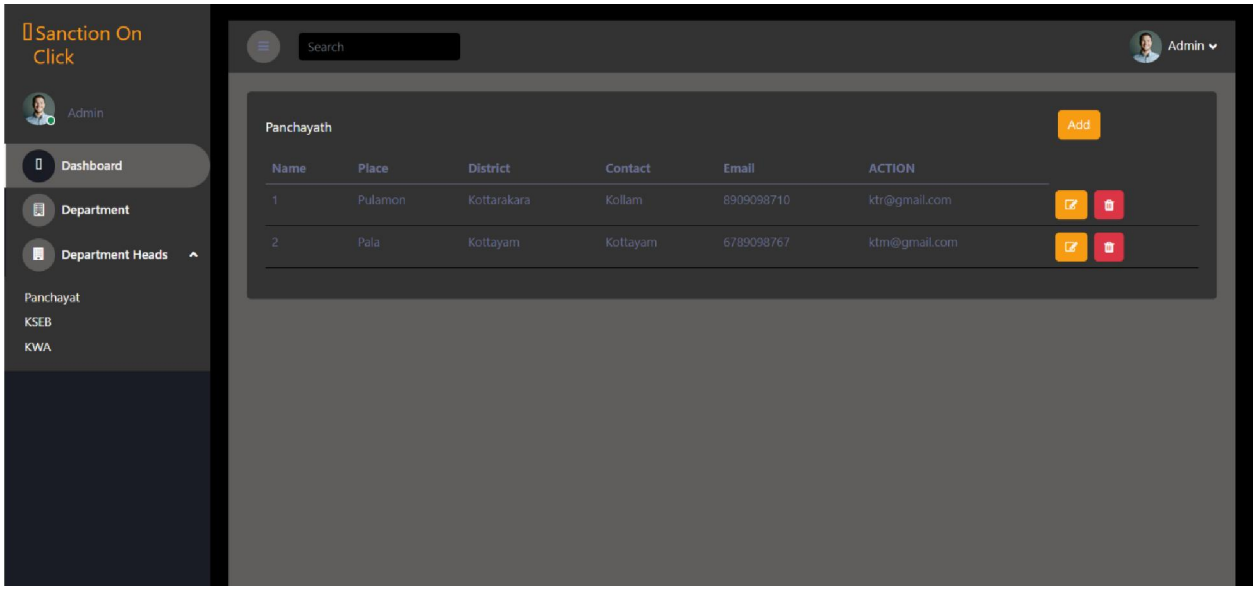

Figure 3: Panchayat Page

REFERENCES

[1]. Prathiba, B., & Divya, P. (2019). Smart Building Approval System for Panchayat Using Android. International Journal of Innovative Technology and Exploring Engineering, 8(8S2), 686-691.

[2]. Jose, D. D., & Augustine, A. (2020). Sanction on click: An online approval system. International Journal of Scientific and Technology Research, 9(3), 6281-6287.

[3]. Vijayakumar, V., & Anitha, S. (2018). Sanction on Click: A Comprehensive Online Approval System for Building Plan Approval. International Journal of Engineering & Technology, 7(4.25), 188-191.

[4]. Anand, A., & Ashwini, B. (2021). Building Plan Approval System: A Review. International Journal of Advanced Science and Technology, 30(3), 4167-4183.

[5]. Anjana, S., Divya, M. K., & Vimal, S. (2020). Smart Building Approval System using Android Application. International Journal of Recent Technology and Engineering, 9(1), 2128-2132.

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[6]. Kadeeja, S. P., & Sujitha, P. (2019). Building Plan Approval System Using Android. International Journal of Recent Technology and Engineering, 7(6S2), 580-586.

[7]. Sivakumar, S., & Subashini, S. (2019). E-Governance Framework for Sanction on Click. International Journal of Scientific and Research Publications, 9(6), 83-88.

[8]. Parthasarathy, N., & Poornima, K. (2020). Building Plan Approval System using Android Application. International Journal of Innovative Technology and Exploring Engineering, 9(1), 1025-1028