

Smart Student

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Abstract: *The main objective of this project is to develop an application that provides college facilities through an online portal. The proposed system provides facilities like pay college fees and search college hostel availability, view semester guidelines, monthly attendance and etc. There are 5 modules in the project admin, hod, faculties, student, librarian and warden. The admin will add the users in the system and then they can login and set their profile. Also departments, batches, subjects are added by the admin. They can also view the fee payment transaction details of students. The HOD will upload the attendance details, internal marks, exam dates, time table. Also upload assignments & notes. Additionally they can send notifications. The faculties can upload notes, add assignments, verify assignments, send notifications. The students can view notes, assignments, exam date, time table, internal marks, notifications. Also they can pay the college fee, hostel fee, library fine and upload assignments. The librarian can add books, issue & return book, view fine payment details. The warden will manage the hostel details. They can add daily food chart, room vacancies, enroll students..*

Keywords: Smart Student

I. INTRODUCTION

The main objective of this project is to develop an application that provides college facilities through an online portal. The proposed system provides facilities like pay college fees and search college hostel availability, view semester guidelines, monthly attendance and etc. There are 6 modules in the project admin, hod, faculties, student, librarian, warden. The admin will add the users in the system and then they can login and set their profile. Also departments, batches, subjects are added by the admin. They can also view the fee payment transaction details of students. The HOD will upload the attendance details, internal marks, exam dates, time table. Also upload assignments & notes. Additionally they can send notifications. The faculties can upload notes, add assignments, verify assignments, send notifications. The students can view notes, assignments, exam date, time table, internal marks, notifications. Also they can pay the college fee, hostel fee, library fine and upload assignments. The librarian can add books, issue & return book, view fine payment details. Warden module is likely designed to help wardens manage student behavior and safety on campus. It may include features such as tracking student attendance, managing discipline records, and ensuring campus security.

It consists of 6 modules:

1. Admin
2. HOD
3. Warden
4. Student
5. Librarian
6. Faculties

II. METHODOLOGY

Requirement Analysis: Conduct in-depth research and interviews with workers, contractors, and potential users to understand their needs and pain points. Identify key features and functionalities required in the web application, such as worker registration, profile management, search and filter options, communication channels, and feedback mechanisms.

System Design:

Develop a comprehensive system architecture that encompasses user interfaces, databases, communication protocols, and security measures. Design intuitive and user-friendly interfaces for workers, contractors, and users, ensuring ease of registration, profile creation, and interaction.

Database Development:

Design and implement a robust database structure to store worker profiles, user data, contractor details, project information, references, and feedback. Implement data validation and security measures to safeguard sensitive information.

III. EXISTING AND PROPOSED SYSTEM

In existing system, there is a static webpage for the college. All other functions are offline. We can only know about the hostel details by contacting them through telephone. The librarian can only know the availability of the books.

Proposed system

The proposed system making all the college functions through online. The college fee payment, library fine payment and hostel fee payment can be done safely through our system. All the students can know the availability of books. The students can view their monthly attendance, notes, assignments, academic details through the existing system.

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 and functionalities to streamline the development process.

V. CONCLUSION

Smart students tend to be dedicated to their studies, actively engage in class discussions, ask questions when they need clarification, and seek out additional resources to enhance their learning. They also tend to be organized, manage their time well, and prioritize their responsibilities effectively. It's important to note, however, that intelligence takes many forms and is not solely measured by academic achievement. Some students may excel in areas outside of the traditional academic subjects, such as the arts or athletics, and may still be considered "smart" in their own right. Ultimately, being a "smart student" is a subjective label and can depend on individual perspectives and criteria. What's important is that students strive to do their best and pursue their passions, whatever they may be.

VI. FUTURE ENHANCEMENT

1. In the future, an exciting enhancement for the Nexus platform could be the integration of a training and upskilling feature. This feature would provide workers in the unorganized sector with opportunities to improve their skills and gain new ones. The platform could offer online courses, tutorials, or resources that workers can access to enhance their knowledge and expertise.
2. By incorporating a training and upskilling feature, Nexus would not only serve as a platform for connecting workers with job opportunities but also as a hub for continuous learning and professional

development. Workers could expand their skill set, stay updated with industry trends, and improve their overall competitiveness in the job market.

3. This enhancement would not only benefit the workers but also the users and contractors utilizing the Nexus platform. Users would have access to a wider pool of skilled workers, including those who have undergone additional training and upskilling. Contractors could select workers with specialized skills for more complex projects, resulting in higher-quality work.
4. Furthermore, the training and upskilling feature could incorporate certifications or badges to validate the workers' newly acquired skills. This would enhance the credibility of the workers and provide additional confidence to users and contractors when selecting workers for their projects

VII. RESULTS AND DISCUSSION



Figure 1: Homepage

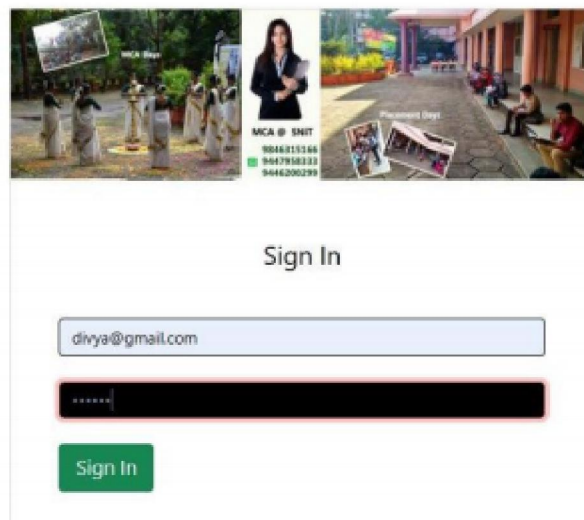


Figure 2: Login Page

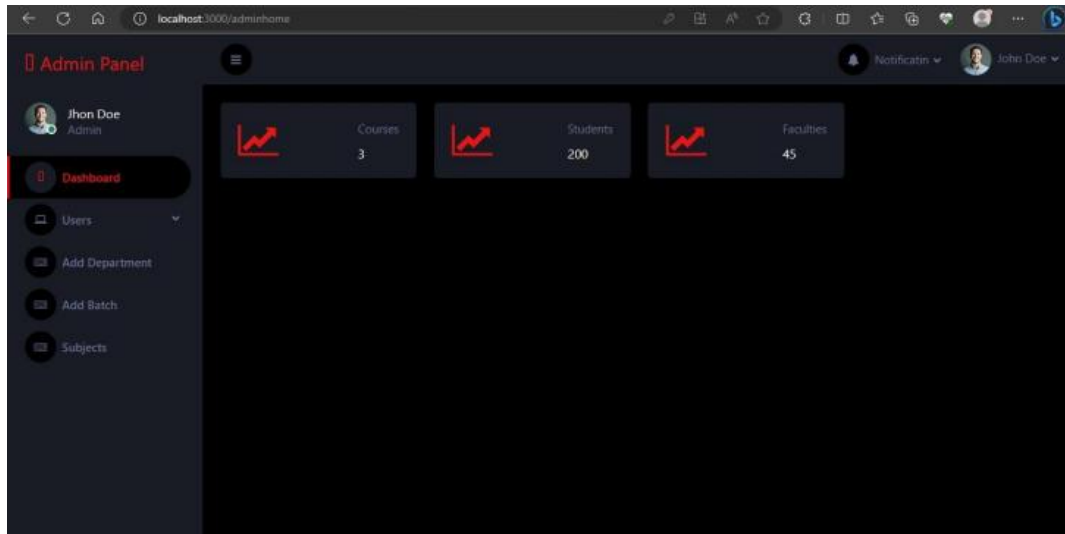


Figure 3: Admin Page

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