"Theory Exam Seat Management System"

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Abstract - Theory Exam seat management system is created to facilitate the process of examination hall allotment by the institute to avoid last rush to check in their allotted halls. This software is developed to generate the exam hall details such as class, time, date and subject of the examination report before exam starts.

In this proposed system, a website is developed for admin and students, and is useful for a particular college or school. Most of the students find it difficult to find the examination corridor. Hence, this system helps the students to check their examination hall to identify the rooms allotted to them without any delay. Students can access the system to check exam hall allotment and enter PRN number. for downloading hall ticket. During the exam, staff can use the system to monitor and manage the exam process. They can track attendance, verify student identities, and ensure a secure and controlled environment. The Theory Exam Seat Management System simplifies and automates the entire process of conducting theory exams, from exam creation to hall allotment. The system helps students to find exam hall. It helps also staff to assign and view exam hall. This project keeps track of various details in the module like student details, exam timing details and hall details with appropriate descriptions.

keywords:
Theory Exam, Seating Blocks, Invigilator, Co-ordinator, Web Application

1. Introduction

The Theory Exam Seat Management System is a web based application designed to streamline and manage the entire process of conducting theory exams. It enables educational institutions, certification boards, and other organizations to efficiently organize and administer theory exams of any scale. This system provides a centralized platform for exam administrators to create and schedule exams, assign exam hall and assign staff. It offers a user-friendly interface that allows staff to easily access, ensuring a fair and standardized evaluation process. One of the key features of the Theory Exam Seat Management System is its ability to assign exam hall for each student.

Theory Exam Seat Management System will be a web-based application. The main purpose of this application is to handle the work during exams in an educational institution. All the students and staff can make use of this application without facing any issues as they get the information of the allotted seat & room number. Due to the flexibility of the application, it can be used on desktop as well as mobile devices. To simplify examination hall allotment to staff & students and seating arrangement for the student, Exam Hall seating arrangement System will be developed.

Allocation of rooms to staff & students was done manually which was a tedious task & would be time consuming. Main aim for developing this application is to simplify, the manual work done for allotment of hall & seats. Students feel difficulty in searching the seat allotted in the exam hall, as they'll be tensed during the exams, this application is helpful for both the staff & students which will automatically generate their seating arrangement& it will also allocate particular invigilator for particular hall. To simplify examination hall allotment and seating arrangement for the student, an application for Theory Exam Conductor and Management system will be developed. Using this application, the examination information of a particular student in a particular class can be accessed. The main objective of this project is to assign to the student, an examination hall which is hassle free. Theory Exam Hall Seating Arrangement System is an online process developed for colleges to facilitate seat allotment. The project will be developed as a web based application.

2. Literature Survey

1) The main motive of growing this seating association gadget is to offer a manner to allocate exam hall for every scholar without any clash. Guide Excel sheet and office work are automated. For arranging hall allocation for students, we are mainly using the department and registration number of students. The statistics is sorted records alphabetically, which will be furnished by means of the teacher for a respective branch. It was advanced through the PHP language and the allocation is the use of the LCG set of rules.

2) P. L. Dr. D. R. Dhotre, Sakshi Makwane et al., replaced the manual work involved in exam seating arrangement with fully automated allocation system. which routinely locate students in their respective seats, consistent with their allocated roll numbers. The scholars were seated serially roll range wise in numeric order. This software turned into developed in C/C++ language.

3) Algorithm for exam hall seating application system, proposed a combination of different methodologies for solving the examination scheduling problem that generates a preliminary possible timetable using feasible solutions, and then used optimized complex

search algorithms to successfully bring about a solution.

4) Advanced for the schools to simplify the allocation of halls and issuing corridor tickets to the student. It enables to get the right of entry to the exam records of a selected scholar in a selected department.

5) The current system is very time-consuming and record technology is also now not an easy mission in the present-day situation. Also, if the record is generated then calculations are completed manually which ends in more errors. There is a lot of manual paintings involved in current device and mistake in one detail can cause the wrong era of page. No right collection of necessities leads to huge trouble for this gadget. This system is to decorate manual work and also greater strength is wasted to allocate the seating arrangement.

6) So, the seating control of college students cannot be determined if updating isn't done.
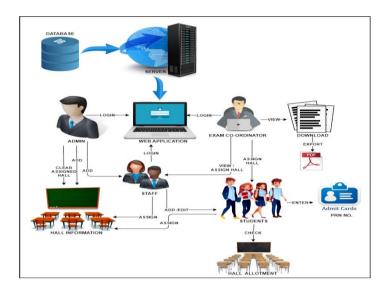
3. Problem Definition

A theory exam seat management system ensures that all students have an equal opportunity to perform to the best of their abilities. The system allows for efficient utilization of available exam halls by assigning students to different halls based on factors such as the number of seats available, the size of the hall, and any specific needs or requirements of students. The allotment system allows for better monitoring and supervision of students during the examination. This ensures that all students have a conducive environment to take their exams. By automating the hall allotment process, the system reduces administrative burdens and saves time for both students and staff. It eliminates the need for manual calculations and reduces the chance of errors or conflicts that may arise due to manual allocation. The system provides transparency in the allotment process, ensuring that it is based on predetermined rules and criteria. An exam hall allotment system is essential for maintaining fairness, efficiency, and security in the examination process.

4. Proposed Working

Exam Seat Management System is developed for the college /Institute or Exam center to simplify the allocation of halls automatically to students during exams. It facilitates to access the examination information of a particular student in a particular section. The information will sorted information alphabetically, which will be provided by the teacher for a respective department. This system will also help in finding the examination eligibility criteria of a student of the particular department. The method may control the examinee distribution and all arrangement procedure, avoiding the neighbour examinee coming from same school. The purpose of developing Theory Exam Seat Management system is to computerize the traditional way of conducting the exams. Another objective of developing this software is to automatically generate the seating arrangement report during the exam.

5. Result

This will be a software application designed to automate the process of allotting examination halls to students for their exams. It aims to simplify and streamline the entire process, eliminating manual work and reducing errors. The software needs to be integrated with other systems within the educational institution, such as the student database, course registration system, and timetable management system. The product perspective of the exam hall allotment system is to provide an efficient, automated, and user-friendly solution that simplifies the process of allocating exam halls to students, minimizes errors, and enhances the overall examination experience.
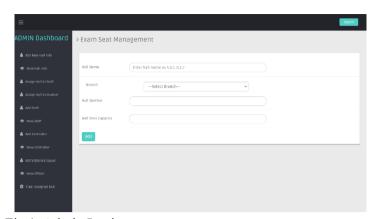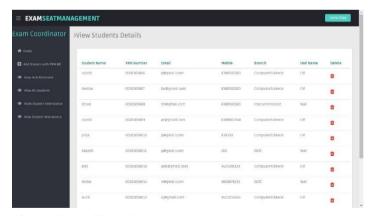

Fig 1: Admin Login

Fig 2: Staff Login

Fig 3: View All Students

6. Conclusion

This application is great advantage to all the educational institutes as it will simplifying the seating arrangement by automatically generating the seats for the students, room allocation for the staff. Project results in reduction of manpower & workload on students & staff. All educational institutes benefit by reducing the complexity involved in allocation of exam duty for staff, exam room for students. Data can be accessed anytime as it is stored

in a centralized database. It eliminates human errors, enables efficient utilization of resources and equitable distribution of examination halls. It also saves time and effort for both students and administrators. However It is essential to ensure proper planning and implementation.

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