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## Exam Hall Seating Management System

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### ABSTRACT

Exam Hall Seating Management System is a computerized web-based application developed for colleges to reduce the work in exam hall allotment and seating arrangement through online. It eases to access the examination information of each student in a particular classroom. The main purpose of developing exam hall arrangement system is to computerized the manual way of conducting exams. Another motive for developing this software is to generate the seating allotment in a classroom can be reported to each student during the exams through mail. The project is coming out as a web-based application, and it will work for a specific institute. Mostly students are facing many problems to find their exam hall and their seats respectively during the last moment of the exam and also causes many confusions to the students. This project helps the students to identify the floor or get directions to their respective exam halls without delays. Students' details have information about all the students with class wise who are all attend the examination in the college. It contains the name of the student, Floor Number, Branch and the hall number. Hall Details have total number of halls available in the institution for exam and the name of the hall. Batch details contains various department details for ex., Computer Science, Biology, Chemistry, Mathematics, Tamil, BBA etc., and the examination timings details have total timing allotted to students and hall etc. This project contains various details in each module such as Students Details, Examination Timing Details, and Hall Details with the proper explanation and it can maintain by the admin.

Keywords: Exam Hall Seating System,Manual,Computerized,Student,Data.

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## 1. INTRODUCTION

### 1.1 ABOUT THE PROJECT

our project entitles as "Exam hall seating management system". This project aims to provide the computerized exam hall seating arrangement system. It overcome the existing method for exam hall and seat arrangement manually by humans. The main purpose developing exam hall arrangement system it computerized the manual ways of conducting exams. The mostly students are facing many problems to find their exam hall and their seats respectively during the last moment of the exam and also causes many confusions to the students. This project helps the students to find a exam halls without delays. Students details for the information to wise who all students attend a examination. It contains a roll number, students name, floor number, room number for collocation for exam hall. The various departments and time to allected students and hall. This project contains various details in each module such as Students Details, Examination Timing Details, and Hall Details with the proper explanation and it can maintain by the admin.

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## 2 .SYSTEM ANALYSIS

### 2.1 EXISTING SYSTEM

Existing system is very slow and inefficient. Report generation is still a difficult take as well. Additionally, generating a report requires human calculations, which increases the likelihood of errors. the current technique involves a lot of manual work, and a small error can result in the erroneous page being generated. This system has a serious issue if the requirements are not properly collected. This design is intended to improve manual labour, however it also uses more energy to arrange the seats.

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## 2.2 PROPOSED SYSTEM

The college develops an examination hall seating management system to make it easier to assign exam halls to students automatically. It makes it easier to acquire exam information for a specific student in a specific department. The data, which will be provided by the teacher for a particular department, is arranged alphabetically. Finding a student's examination eligibility requirements for a specific department is also made easier with the aid of this method. It is suggested to use a new sub-rule algorithm to arrange the exam room based on the proportion of examinees. The strategy can manage how the students are distributed and how everything is set up, keeping neighbours from the same school out of the equation and producing a very precise and uniform layout. The strategy can manage how the students are distributed and how everything is set up, keeping neighbours from the same school out of the equation and producing a very precise and uniform layout.

To computerise the outdated method of administering exams, a seating arrangement system for exam rooms has been developed. This software's automatic generation of the seating arrangement report during exams serves as another reason for its development.

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## 3. SYSTEM METHODOLOGY

Following a thorough investigation, it was determined that the system would have the following components.

Exam Hall Details

    Student Details

    Exam Hall Entry

View Exam Hall Details

Search Exam Hall Details

### 3.1 EXAM HALL DETAILS

In this module, the administrator will enter the room's information so that students can be assigned an exam room in a computerised manner.

### 3.2 STUDENT DETAILS

The administrator can enter student information into the database in this module. With all the information that the administrator has provided regarding the test hall details, it switches to the next module after preserving the room details. To specifically join the hall details and student details databases, it adds the student id details, which is a primary key. A specific student in the course can be assigned the test hall by inputting the student ID, student name, and table number. By using the edit/update option, we can modify a student's residence information. Changes can be made to the invigilator's name, the exam date, the course, etc. We are unable to alter or amend for a specific student after the room number has been added. The table number is included so that the student would know where to sit.

### 3.3 VIEW EXAM HALL DETAILS

We may view all the test hall information in this module, including the room number, invigilator's name, student ID, student name, and course name. We can see which students are assigned to which rooms for each subject, for example. The test hall allocation details allow us to quickly access all the information stored in the database. This module will give the admin a clear view of the assignment of exam rooms. This module will provide all the information about every student who is assigned to a specific room, table, etc. This will prevent confusion over room assignment and provide a clear picture of what rooms are assigned, which exam halls are still available, etc

### 3.4 SEARCH EXAM HALL DETAILS

By providing a valid student id from our college, we can quickly check any course of any student regarding their room number details in this module. By providing their student ID or room number, we can search any student's information or information about any hall number. You may find all the information, including course name, year, invigilator name, table number, room number, student name, etc., by searching with your student ID. The administrator's responsibility is to simply provide the student id when they click the "Search by student Id" icon to quickly receive the student's test hall information. This will provide a student's full information, including their exam hall number, table number, etc. The administrator's job is to simply enter the room number when they click the "Search by Room number" option to quickly receive the student information that is all assigned to a specific room.

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#### 4. CONCLUSION

I have greatly enjoyed working on this fascinating and difficult subject. This project turned out to be beneficial for me because it taught me how to actually programmed in ASP.NET and C#.NET web-based applications, as well as to a lesser extent Windows applications and SQL Server 2005, and it taught me how to handle every step of the "Exam Hall Seating Allotment System" process. Additionally, it offers information on client server technology, which will be in high demand in the future, and the most recent technology employed in creating web-enabled applications. This will offer better chances and direction for independent project development in the future.

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