

# E-Seating

Alfiya Farheen

Undergraduate Scholar Computer Science and Engineering, RTMNU, Nagpur Anjuman College of Engineering and Technology Maharashtra, India

## ARTICLE INFO

### Article History:

Accepted: 01 April 2023

Published: 15 April 2023

### Publication Issue

Volume 10, Issue 2

March-April-2023

### Page Number

772-775

## ABSTRACT

Currently, seating arrangements for exams are done "by hand". The examination section must initially collect all the branch-wise and year-round student examination registration details. These data include name, role number, field, year, list of subjects registered for the exam. The administrator must count the total number of registered students. They then have to select rooms and divide the students between those rooms. After dividing the rooms, they have to prepare a list of students for each based on the exam. There is also a need to prepare a seat list for each room based on the number. All this work needs to be done for each exam and for each field and year

Keywords: E-Seating, Exam System, Admin, Student and Faculty

## I. INTRODUCTION

Exam Seating Arrangement is specially designed to automate the exam system.

This system deals with the process of seat arrangement online instead of doing it manually. This application will be used for automatic seating arrangement based on the number of students, number of classes and number of benches in the class. While there is a large body of research on the delivery of knowledge and course materials, much less attention has been paid to the performance effect of classroom seating. This study examines the effect of location and session type on student performance.

Some specialized people are needed for the current way of arranging examination seats. This person must first gather information about the students, such as

the names that must appear on the exam. This person should also have knowledge of all the classrooms, all the desks in the classroom. Someone should write the seat number. on all benches. Then one would have to assign each seat to each student manually and this process is really very tedious and time consuming, also one would have to stick these papers on the board where the students can see. Students must arrive about an hour before the exam to see their seats. This is also time consuming as well as a tedious and hectic process.

To overcome this a developed website is needed which will update the details and show the location of the seat where the detail is required to be filled then the data will be uploaded to the server where the server will update all the data in real time and students can automatically know their location by

entering their roll number. in terrain. We use a database to store student information. As a smart technology, it will certainly prove itself in the coming generation as well. Thus, electronic seating arrangements have many advantages over arrangements that are done manually these days.

The introduction of e-seating will make a huge difference between the work done manually and the work done by the system. It has some expandable features that are exceptional in themselves, from the arrangement that is done these days!

It is meant to automate, automate what...To reduce human labour and let the system through its intelligence decide what it can do to improve, just to deliver appropriate and desirable results.

## II. METHODS AND MATERIAL

### A. Admin module

The main objective of the development of this module is the management of the assigned headquarters. This admin module is an important module in this E-seating system project which was developed on Java, JSP, MySQL. So, all allocated seats will be managed by admin.

Features of the admin module:

1. Admin can manage the assigned seat.
2. Admin can modify or delete assigned seat.
3. Admin sees a list of all assigned seats.
4. The student also sees his assigned seat.

### B. Student module:

The main goal of this module is to provide students with all the functionality. Tracks all student information. We have developed all types of CRUDS (Create, Read, Update and Delete) operations of the student. It is a role- based module where the administrator can perform every operation on the data, but the student will only be able to view his data.

So, the access level restriction was also implemented for students.

Features of the student module:

1. Admin can add new student records.
2. Admin sees a list of student details.
3. Only admin can edit and update student records.
4. Admin will be able to delete student records.

### C. Faculty module:

In this module, faculties can apply by providing the necessary data. Faculties can then log in and view the assigned hall and session number.

Features of the faculty module:

1. Admin can add new faculty records.
2. Admin sees list of faculty details.
3. Faculty records can only be edited and updated by the admin.

## III. RESULTS AND DISCUSSION

Reduce complex processes. Here it can be said that this system encourages smart work and struggles with manual labor as much as possible. Another sense of complexity is that many problems can arise if data is not properly managed. Reorganizing the whole process will take a lot of time. It saves a lot of time and difficulty in working. The system confuses the package, the complexity causes a waste of time, it acts like a smart system, simplifies and saves time. This is one of the advantages of this system. It reduces people's mistakes. After all, we are all human and sometimes mistakes can happen, but we cannot make mistakes in important situations. In addition to saving time and hassle, the two points we mentioned above, we can add bugs. Valid information will be collected in the database. Additionally, we can say that an application will have many data types different data types and information. Application compatibility is a state in which all relevant information and data are synchronized, representing the actual state of the application. Data backup Recovery is a copy of the

Alfiya Farheen et al Int. J. Sci. Res. Comput. Sci. Eng. Inf. Technol., January-February-2023, 9 (2) : 545-548

data in file that can be used to easily reconstruct the data for a similar operation.

#### Title and Author Details

Sr. no.	Author	Description
1.	Saengratwathara S. and Ellsworth	A web-based computer-aided facility managementsystem
2.	C. Anuradha, S. Pothumani	"It's fast, flexible, records find, edit, add, remove andgenerate layouts."
3.	R. Gokila1, Antony Rohan Dess	This enterprise divides the testing hall for each student without conflict and additionally designates a particular supervisor for a particular hall. The framework helps to reduce paperwork and effectively make all related data available to the user as per their requirements.

#### Figures

As shown below is the first page of e-seating starting from student search to invigilator search seat.

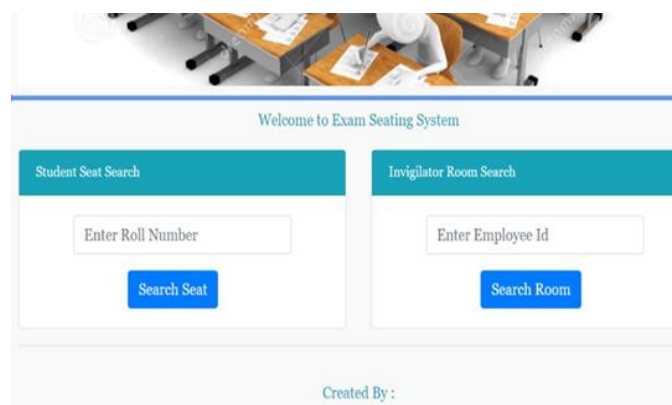


Figure 1. Welcome screen

The second figure that is figure2 shows about the menuitems that are provisioned in e-seating.

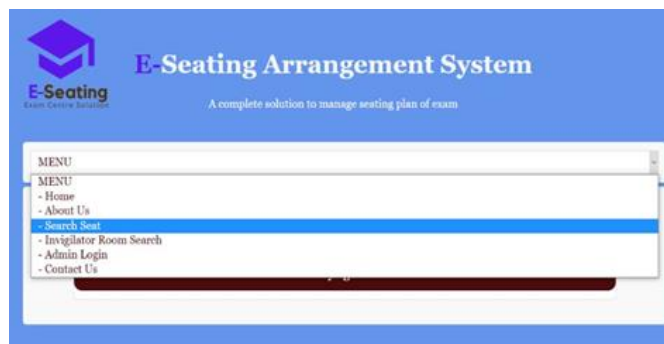


Figure 2. Welcome screen

Authorized admin will be having the authority to initiate into administrative operations

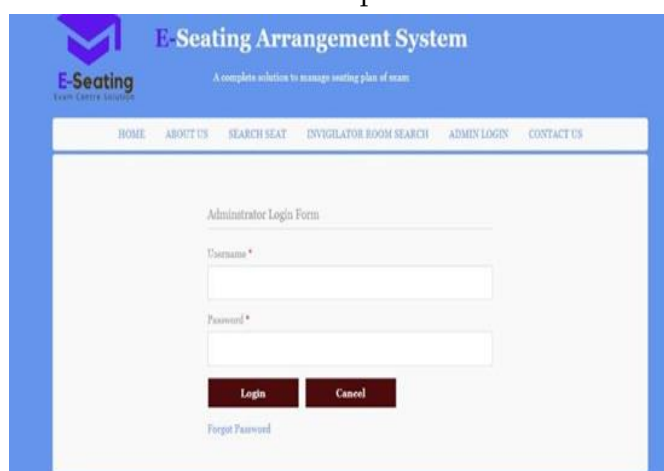


Figure 3. Admin screen

#### IV. CONCLUSION

It can be used anywhere and anytime because it is a web application. E-seating is intended for educational institutions. This system will provide better security. Administrators have the authority to create, edit and delete student or individual student data. User can register and log in to be informed about their seating arrangement within minutes and that too in advance. A smart way to manage large amounts of data on one table and then feed them individually. This system saves time and helps to get rid of the basic confusion that will arise in the future. This system collects the data and creates an individual allocation that has the relevant data available. Having described all this, we can

Alfiya Farheen et al Int. J. Sci. Res. Comput. Sci. Eng. Inf. Technol., January-February-2023, 9 (2) : 545-548  
conclude that E-seating is the best possible way  
of "gathering and serving".

## V. REFERENCES

- [1]. Alkan, A. tiab Özcan, E. "Genetic Algorithms for Time Tables", Proc. (2003) IEEE Conference on Evolutionary Computing. Ibe.
- [2]. K. Burke, B. McCollum, thiab P. McMullan, "Exam char ts: A new formulation", (2008) International Conference on Automatic Timelines Practic e and theory.