



EXAM SEATING ARRANGEMENT USING E-PORTAL

¹ *Sumalatha Potteti*, ² *Sandakka Mounika*, ³ *Nenavath Mounika*

¹ *Assistant Professor, Department of Computer science and Engineering, BhojReddy Engineering College for Women, Hyderabad, Telangana, India.*

¹ sumalatha.po@gmail.com

^{2,3} *Students, Department of Computer science and Engineering, BhojReddy Engineering College for Women, Hyderabad, Telangana, India.*

² kothullamounika75@gmail.com , ³ nenavathmounika71@gmail.com

ABSTRACT

A web application is developed for colleges to simplify examination hall allotment and seating arrangement. The purpose of developing such web application is to computerize the traditional way of seating arrangement. The Web Portal for Exam Seating Arrangement atomizes the existing system of assigning seating arrangement. When a student registers for an examination, this web portal stores student examination registration details in the database depending on the branch, year and semester. These details can be efficiently used whenever required. Based on the exam to be conducted, the web portal allocates rooms by taking details stored in the database. This also Generates Seating arrangement and student list for each room, so that the task can be completed.

1. INTRODUCTION

A web application is developed for colleges to simplify examination hall allotment and seating arrangement. The purpose of developing such web application is to computerize the traditional way of seating arrangement. The Web Portal for Exam Seating Arrangement atomizes the existing system of assigning seating arrangement.

When a student registers for an examination, this web portal stores student examination registration details in the database depending on the branch, year and semester. These details can be efficiently used whenever required. Based on the exam to be conducted, the web portal allocates rooms by taking details stored in the database. This also Generates Seating arrangement and student list for each room, so that the task



can be completed. We generally allot the class rooms for exams by checking the vacant classes and for allotting the students in the exam halls we also need to consider the maximum no.of students fit in the class, if we do any error in this step , then it can create disturbance for both the students and the faculty to re-allocate the students in the class rooms. In order to be away from these types of problems we developed an web application “Web Portal for Exam Seating Arrangement”, The main advantage of this web application is once if we select the branch, the starting and ending roll number of the students and the block in which the students need to allotted then this application will automatically calculates the no.of students who can fit in each class and allot the classes accordingly and also it shows the vacant seats in each class so that we can also fill the vacant seats with the other branch people if we wanted to. This web application will make the work of the examination branch very easy by that there will be no errors raised during the time of examination.

2. EXISTING SYSTEM

In most educational institutions, the Exam seating arrangement is initially stored manually in handwritten registers and then uploaded into any document, after which this seating arrangement data is sent to the other department members for conducting the examination, hence will conducting any exam if there is any error occurred in the seating arrangement of the student then it is very tough to rectify and set the seating accordingly as we need to inform the examination branch first to correct the mistake and take the necessary actions accordingly, these type of actions generally consumes more time and also unsecure and unreliable as there is chance of loosing data as we need to store this data for future purpose, hence these problems made us to develop this web application

3. PROPOSED SYSTEM

The objective of our project is to make the work of the examination branch very easy by using this application. During the classroom allotment for examinations even with a lot of care, there will be some errors every time, hence this will create a problem during the time of examination. So the project concentrates on creating an application that



allows the examination branch to allot the classes and distribute the allotment of classes very easily without any error. The project is wide in scope. All of the limitations stated below may seem to contradict that, but they are the only restrictions applied. This project looks at Exam seating arrangement and the area of unallocated class rooms during the examination time and also provide the flexibility for maintaining all the branches records is also not covered.

4. IMPLEMENTATION

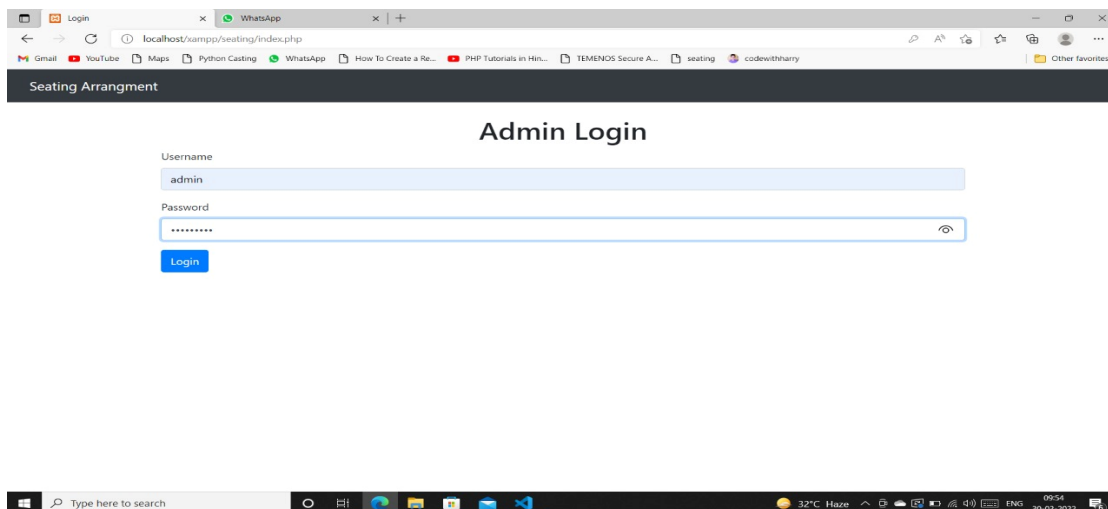
4.1 Login

5. OUTPUT SCREENS

Here, the Admin logs in to the web application. After logging in into the web application the admin can enter the data like selecting the branch, roll numbers and the block he wanted to assign and can perform his tasks.

4.2 Email and Password Validation

The Email and the password validation is very essential for the admin login because without proper authentication anybody can enter into the portal and alter the data which is very confidential, hence this portal gives us the proper Email and password validation and ensures security.





International Journal For Recent Developments in Science & Technology



A Peer Reviewed Research Journal



Seating Arrangement Home Logout Reset

BRANCHES

CSE - CIVIL Submit

Seating Arrangement Home Logout Reset

Please Select Rollnumbers of Students...

IT:

EEE:

Year:

Block:

Submit



Branches WhatsApp localhost/127.0.0.1/users/cs/ x +

localhost/xampp/seating/selectclass.php

Gmail YouTube Maps Python Casting WhatsApp How To Create a Re... PHP Tutorials in Hin... TEMENOS Secure A... seating codewiththarry

Seating Arrangment Home Logout Reset

Vacancies in Respective Classrooms :

101-0 102-0 103-0 104-0 105-0 106-42 107-42 108-42 109-42 110-42 Total -210

BLOCK : A

Classes :

Submit

Type here to search

32°C Haze 1000 30-03-2022

Branch Wise WhatsApp localhost/127.0.0.1/users/cs/ x +

localhost/xampp/seating/branchwise.php

Gmail YouTube Maps Python Casting WhatsApp How To Create a Re... PHP Tutorials in Hin... TEMENOS Secure A... seating codewiththarry

Seating Arrangment Home Logout

BRANCH WISE

Block wise Order wise

Branch	Rollno	Roomno	Block	Total
CSE	1 to 21	101	A	21
CSE	22 to 30	102	A	9
CIVIL	1 to 21	101	A	21
CIVIL	22 to 30	102	A	9
IT	1 to 21	103	A	21
IT	22 to 42	104	A	21
IT	43 to 50	105	A	8
EEE	1 to 21	103	A	21
EEE	22 to 42	104	A	21
EEE	43 to 50	105	A	8

Type here to search

32°C Haze 1000 30-03-2022



Block Wise | WhatsApp | localhost / 127.0.0.1 / users / cse | +

localhost/xampp/seating/blockwise.php

Gmail | YouTube | Maps | Python Casting | WhatsApp | How To Create a Re... | PHP Tutorials in Hin... | TEMENOS Secure A... | seating | codewiththarry | Other favorites

Seating Arrangement | Home | Logout

BLOCK WISE

Branch wise | Order wise

Block	Branch	Roomno
A	CSE	101 to 102
A	CIVIL	101 to 102
A	IT	103 to 105
A	EEE	103 to 105

Type here to search | 32°C Haze | 1000 | 30-03-2022

Order Wise | WhatsApp | localhost / 127.0.0.1 / users / cse | +

localhost/xampp/seating/orderwise.php

Gmail | YouTube | Maps | Python Casting | WhatsApp | How To Create a Re... | PHP Tutorials in Hin... | TEMENOS Secure A... | seating | codewiththarry | Other favorites

Seating Arrangement | Home | Logout

ORDER WISE

Branch wise | Block wise

Roomno : 101		
BLOCK	CSE	CIVIL
A	1	18
A	18	15
A	2	6
A	20	9
A	3	10
A	14	12
A	9	16
A	13	1
A	15	4
A	21	14
A	8	13
A	5	5
A	7	3

Type here to search | 32°C Haze | 1001 | 30-03-2022



6. CONCLUSION

The advantage of Web Portal for Exam Seating Arrangement is to reduce the errors that occurs at the time of examination for seating arrangement and we can easily access the previous seating data at any time. As the Web Portal For Exam Seating Arrangement is an web application there is no need off paper to store and send the data , we can simply share the files to the other faculty and this data will be stored permanently in the database so that Admin can access the data any time without any delay just by logging into the portal and can correct the Seating data in case of any errors. And as the Web Portal For Exam Seating Arrangement is an web application it is very simple to use and user friendly and contains lot of options in it

7.REFERENCES

Uttam K. Roy, Web Technologies, 8th Impression, Oxford Publication, 2014.

Web Technologies(oxford Higher Education)

Paperback- Illustrated, 2nd Nov 2010.

https://www.w3schools.com/html/html_tables.asp

<https://www.javatpoint.com/mysql-tutorial>

<https://stackoverflow.com/questions/13666397/add-a-class-to-php-variable>

<https://www.javatpoint.com/javascript-tutorial>

https://www.w3schools.com/php/php_forms.asp

<https://www.javatpoint.com/php-tutorial>

<https://getbootstrap.com/docs/4.4/utilities/flex/>

<https://getbootstrap.com/docs/4.4/utilities/vertical-align/>

<https://getbootstrap.com/docs/4.4/components/button-group/>

<https://www.javatpoint.com/what-is-css>

<https://www.javatpoint.com/what-is-html>