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Automatic Examination Hall Seating Arrangement

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ABSTRACT

Presently, the seating allocation for the examinations is done manually. The examination section has to collect all pupil examination enrolment details branch wise and time wise. These details include name, roll no., branch, time, list of subjects registered for test. The director use to count the total number scholars registered. he needs to elect the apartments and divide the scholars among those apartments. After dividing the apartments, he prepares the scholars list for each grounded on the test. He also needs to prepare the seating arrangement list for each room grounded upon the count. All this work to be done for each test and for each branch and time. This is veritably tedious work and there are numerous chances for miscalculations to do due to homemade work. when a pupil registers for an examination, this system stores pupil examination enrolment details (name, roll no., branch, time & Semester, subjects) in the database depending on the branch, time & semester. These details can be efficiently used whenever needed. The system takes the details as input from the database depending on the named branch.

KEYWORDS: ALLOCATION, ENROLMENT, REGISTER, DATABASE.

1. INTRODUCTION

Main ideal then is to feed the number of scholars and faculty list which will induce hall plan and allocation of duty incontinently according to day of examination, which will be SQL database. The garçon will be PHP. web Examination preprocessing for seat allocation and duty allocation manually is delicate due to adding number of scholars, subjects, courses, faculty, staff and apartments. This application provides a solution by allocating seats for large number of students and sorting best combination of rooms based on room size, number of students and differentiation of subject. better It is а application. replacement for existing This

application also provides the list of students those who were not attended the examinations. It provides better seating plan then the existing system used by the university. This system provides hall plan which includes seating capacity, allocation of seats for students and staff duty automatically Which will be helpful for the institution to easily identify and can make changes in seating allotment within few minutes allocation of duties with hall number. This also generates seating arrangement and scholars list for each room The results generated using the real application and these two methodologies are compared. The application shows that the methodologies are high efficient, low-cost, and can be widely used in various colleges and universities.once the application was done by viewing the allocation of seats/viewing the rooms that they had allocated can logout of page. any updation can be done by admin who have all the access of the data updation.

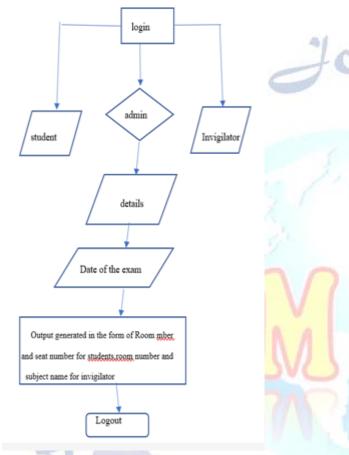


Figure: Design of application model

Admin needs to keep updation of student and staff record data allocation of rooms and based of data set will be stored in the database when a new student was added will need to update the student details

2. LITERATURE REVIEW

The terrain of the academe structure and the classrooms play a truly important part in a pupil's day. The following review of literature reveals some of the disguisition that has been done to show which areas in the academe and classroom surroundings are the most salutary towards the behavior and education of the scholars. To more understand the different areas that are of significance to this content, the review of literature has been divided into slots. School seven structure terrain, classroom terrain, seating preference, conditions, classroom spatial seating arrangement, the classroom terrain and special conditions scholars, and case studies. Student's degree of territoriality predicated on gender and seat preference in different types of room allotment was studied by Kaya and Burgess. The types of room allotment included rows of tablet- arm- shaped, clusters, and rows of tables with individual speakers. The study was done through check at a large public institution in the south east region of the United States.

Their results indicated that scholars who preferred seats at the end of rows of tables with individual speakers and tablet- arm chairman arrangement had advanced scores on claiming a required seat than those who involved middle seats in a row(11). In rows of tables with individual chairman arrangement, scholars who preferred seats at the end of rows also had farther need to define their own home than scholars who preferred middle seats in a row. No significant results were set up in the U- shaped and cluster layouts. Ladies had advanced scores on claiming a classroom particular seat than males anyhow of seating arrangement

This study also set up that in classroom settings where scholars are demanded or opt to bring several particulars to class, for illustration, a pack, jacket, and handbag, in addition to tablets and textbooks, defining one's own home may come increasingly important as a means of comfortably engaging inactive knowledge. These studies were done in a council position classroom, and may be contrary if the same studies were done at the fundamental. The views on the allocation of rooms and seating allotments have changed over the formerly numerous decades. In the 70 " s the classroom setting was mainly concentrated on the traditional row setup room

3. PROBLEM STATEMENT

Most of the institutes are willing to centralized examination system. major issue was increasing the number of students, courses and departments, it becomes a huge challenging task to the examiner for allocation of seats.to sort out of this problem we need the follow proper allocation of seats. the bestand efficient way to allocate.

To sort of this issue, some institutions encourage decentralized the test system rather of the polarize test system. They offer the course instructors to arrange the examinations inclusively for the scholars of the same course. But it is truly hard for a course teacher to manage quality examination while conducting test this way. For maintaining central examination some institutions choose one room for one test to get relieve of this hassle of preparing a supporting plan. As a result the accuracy of examination becomes challenging for lots of the educational institutions. This test seating and room assignment.

4. SYSTEM REQUIREMENT

1. H/W SPECIFICATIONS:

- Processor
 I3/Intel Processor
- RAM
- 8 GB
- 1TB
- Key Board
 Keyboard

Hard Disk

- Standard

Any

- PHP

- Mouse Two or Three
 Button
- Monitor
- 2. S/W System Configuration :-
- Operating System
- Server-side Script
- Database
- My SQL 6.0

- Windows 10

Working Of System

Every phase of application has specific functionality in which it perform specific task. Admin have the full authorities to access and updation.

1) Administrator:

In admin panel, admin need to add the students and allocate rooms based on the capacity and availability of data and update the requirements regarding to seats allocation.

Step 1:

Admin will add the number of rooms and student data base as per the requirements and able to modify the student data base. Step 2:

Students need to register initially and can login directly through the university allocated numbers and their security passwords and view their seats that they had allocated. Step 3: Faculty needs to register and can login through their university allocated id's and can view their rooms that where they had allocated by entering their specific examination dates.

Step 4:

Once the student/faculty are viewed their allocation by entering the date, can logout from the page by hitting the logout.

4. MODULE DESCRIPTION

Modules are primary categorized into majorly three modules:

Admin module
 student module
 staff/invigilator module

Admin Login Module

This is an admin login runner that allows admin to control all the system data. For this purpose director must have the valid stoner id and word. So that director 2 will be suitable to accesses all thedata of the system. Director have that administrator to keep the data accuracy from the unauthorized user. System director is always must responsible for manipulation of colorful data from the system. After successfully login director will be suitable to other stuff relate to examination similar as physical structure allocation, faculty allocation with respect to test. Also director will be suitable tochange word.



Figure 1:-Login page student Login Module

To login the module student needs to register the module primarily. need to submit the details i.e., university allotted register number, user name and user privacy password once user registered can login through id and password and view their

allotment by sort through date of exam.

Exam Hall Details

GET DETAILS

LOG OUT

Student ID: 578 Date of Exam: 18/4/2023 Room No: 506 Seat No: 2

18/4/2023

Fig<mark>ure 2</mark>:-Student Module

Staff/Invigilator Module

Invigilator need to register with their university allotted register number and selecting branch based on departmental, and user password for security authentication. Once staff was registered with their id and password can use their id and password for login, and can view the room that they had allocated by entering the certain dated exam that they had allocated.

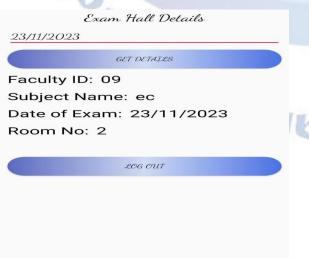


Figure 3:-Invigilator Module

5. ADVANATAGE AND FUTURE SCOPE

- As compared to being system our system take veritably effective time to allocate efficiently.
- This system reduces a lot of burden to the people in examination department. While any test will be going to conduct in that time monitor have to confirm the whole room and also count the number of benches on its own. institutes,

Develop software similar that everybody working in test hall allocation system can handle fluently.

- Report can also give through print outs.
- give a simpler system to store and pierce information related to test hall and scholars.

6. CONCLUSION

It's an effective system for automating the work of examination process in institutions on pall and provides a better relief for homemade system. The pall service provides a data storehouse services. This will reduce a huge number of workload that have to be given by the workers before test to prepare an test seating arrangement plan. Also this will reduce the threat of mismanagement during test like not having seats for all scholars, lapping of multiple scholars in the same seat. Eventually the affair of the design reduces the force, workload on scholars as well as staff. It benefits all the educational institutes by reducing the complexity involved while allocating the test duty for the staff, examination apartments for the scholars. All these data is stored in a centralized database which can be penetrated whenever demanded.

Conflict of interest statement

Authors declare that they do not have any conflict of interest.

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