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Automation Invigilation Duties

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ABSTRACT

Pre-requisite for conduct of Examination viz competitive school and college level exams, entrance exams etc. requires faculty or staff members to perform invigilation duty. Preparation of invigilation duty list is a tedious work if done manually when large number of invigilators is involved for examination scheduled daily in two or more shifts for large number of days. Here we have discussed development of an automated system that can generate invigilation duty list for any type examination. This automated system will take some required data like staff list, dates of examinations and number of invigilators on the days, as input and, gives the invigilation duty list as output according to fed data. It can be useful for any organization, universities, institutes where examinations are held. One can reduce the time wasted in making the invigilation duty list manually using this automated system.

Keywords: Examination, Invigilation, Invigilator, Duty List.

I. INTRODUCTION

Now a day's faculty who are going to invigilation they are finding rooms physically and in the examination section .Here in our application faculty can see in at time invigilation duties. In that information details like date, subject and timings all the information quickly in online will get information.

Problem Statement

Automation invigilation duties is software developed for invigilation duties in all colleges. It facilitates to access the invigilation information of a particular faculty. By just a click on the mouse, the system will be able to produce the invigilation duties report thus reducing the need for work searching somewhere which is prone to human errors and time consuming.

Objective of the Project

The objective of the project – Automation Invigilation Duties application is as follows:
"Automation Invigilation Duties" is software developed for maintaining the invigilation information of the exam. The objective of automation invigilation duties management is to provide a user-friendly and efficient platform that enables faculty to access relevant and up-to-date information about their exam details, check the details by individually who are going exam hall for invigilation.

Scope

The scope of the project is the system on which the software is installed, i.e, the project is developed as a desktop application. Overall, the scope of automation invigilation duties systems can be quite extensive, and

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they can provide significant benefits to invigilation information, date of the particular day and subject details, timings.

II. EXISTING SYSTEM

In the present scenario, the task of invigilation scheduling involves all the lecturing staff who follows a set of invigilation schedule that is prepared manually by the examination department in the college. However, a lot of tasks are required in order to organize an examination from the college such as assigning a set of proctors to each examination room and assigning a seating layout for each examination room. These tasks usually involve a lot of data from many sources and require more time

Disadvantages:

1. Not User Friendly
2. Difficulty in report generating
3. Time consuming

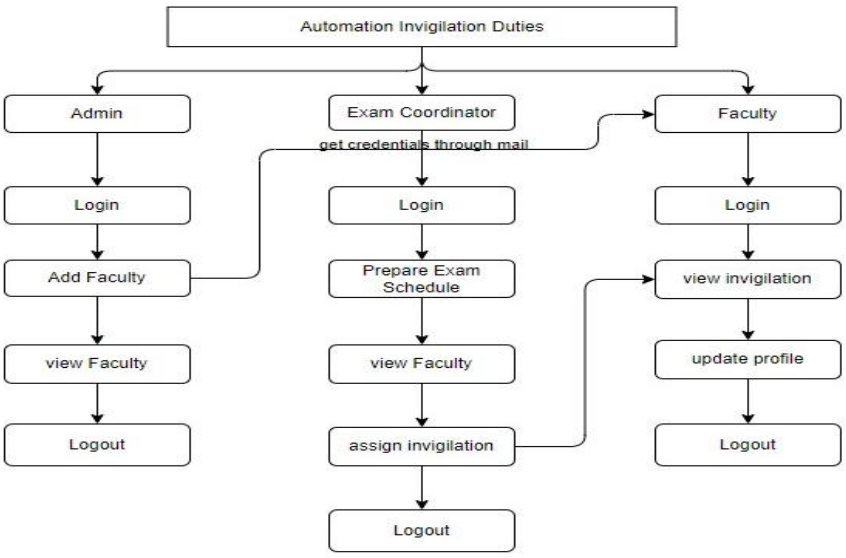
III. PROPOSED SYSTEM

The propose system is highly automated and makes the invigilation information much easier and flexible. The faculty can get the very right information at the very right time. The system is expected to increase the efficiency in the allocation rooms to the faculty members who are going to invigilate during the examination. Therefore, it will decrease the work hours and manpower.

Advantages

1. User Friendly
2. Reports are easily generated
3. Very less work
4. Computer operator control.

work Flow of Proposed system



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System Specifications

Hardware Requirements:
Processor - I3/Intel Processor
Hard Disk - 160GB
Key Board - Standard Windows Keyboard
Mouse - Two or Three Button Mouse
Monitor - SVGA
RAM - 8GB

Software Requirements:
Operating System : Windows 7/8/10
Server-side Script : HTML, CSS,& JS
Programming Language : Java
IDE/Workbench : Intellij Idea
Technology : java 1.8
Server: Tomcat Server
Database: MySQL

Modules
In this application involved three characters to implement this process they are Admin, Faculty and Hod.

Admin: Admin is person to maintain the whole application.

Operation-Login: admin will login into the application by entering the valid details like (username and password).

Operation- Add Faculty/View Faculty: Add, Read

Add Faculty: Admin will add the faculty with their details like (Name, Email, Phone Number, and Department). After submitting the details system will send details to hod and faculty credentials send through his faculty email.

Operation- View Faculty: He can view, update and delete all the faculty who are added by himself.

Logout: Admin must be logout

Faculty: Faculty is person to visit for his Time table in the invigilation details.

Login: faculty will get credentials to his email and then login into the application by entering the valid details like (email and password).

Operation- View Time Table: Read data.

View Time Table: After assigning invigilation duties to faculty, faculty can view that time table details.

Logout: Faculty must be logout

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Hod: Hod is person to assigning invigilation for the all faculty.

Operation-Login: hod will login into the application by entering the valid details like (username and password).

Add Exam Schedules: Hod will add the available room numbers, capacity, exam date and timings

View Faculty: Hod can view all the faculty which are added by admin. He can assign the for invigilation to the whole faculty.

View Exam Schedules: Hod will view, update and delete the exam schedules added by him.

View Duty List: Hod will view, update and delete the assign invigilation's.
Logout: Hod must be logout.

IV. CONCLUSION

The Automation Invigilation Duties system streamlines the process of assigning and managing invigilation schedules, reducing manual effort and errors. It ensures fair distribution of duties while allowing admins, faculty, and HODs to efficiently handle scheduling tasks. The system enhances accuracy, saves time, and improves faculty coordination. With automated report generation and real-time updates, it minimizes confusion and workload. This solution is adaptable for various institutions, making examination management more efficient. Overall, it optimizes resource allocation and simplifies the invigilation process.

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