**AUTOMATION INVIGILATION DUTIES**

**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.

**STATEMENT ABOUT THE PROBLEM**

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.

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**WHY IS THE PARTICULAR TOPIC CHOSEN?**

Now a days I colleges who are going to invigilation they are finding rooms and information from examination section or pin board .Here in our application faculty can see in at time all the invigilation information. In these invigilation information faculty can get the information about date , subject and its timings.

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

**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.

**EXISTING METHOD**

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:** The existing system is not user friendly because the retrieval of data is very slow and data is not maintained efficiently.

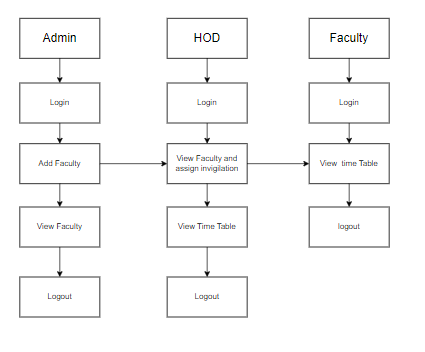
**2.** **Difficulty in report generating:** We can’t able see the all the invigilation information. And the faculty not get at the time of searching for exam hall.

**3.** **Time consuming:** Every work is done manually so we cannot get the information in the middle of the way because it is very time consuming.

**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.

**PROJECT FLOW:**



**ADVANTAGES:**

**SOFTWARE FRONT END REQUIREMENTS**

**1.** **User Friendly:** - The proposed system is user friendly because the retrieval and storing of data is fast and data is maintained efficiently. Moreover the graphical user interface is provided in the proposed system, which provides user to deal with the system very easily.

**2.** **Reports are easily generated:** reports can be easily generated in the proposed system so user can get information at anytime

**3. Very less work:** The proposed system requires very less work. All the data is fetched into the computer immediately and reports can be generated through computers. Moreover work becomes very easy because there is no need to keep data on papers.

**4. Computer operator control:** Computer operator control will be there so no chance of errors. Moreover storing and retrieving of information is easy. So work can be done speedily and in time.

# **H/W CONFIGURATION:**

# Processor - I3/Intel Processor

Hard Disk - 160GB

Key Board - Standard Windows Keyboard

Mouse - Two or Three Button Mouse

Monitor - SVGA

RAM - 8GB

**S/W CONFIGURATION:**

* Operating System : Windows 7/8/10
* Server Side Script : HTML, CSS & JS
* Programming Language : JAVA
* IDE/Workbench : Intellij Idea
* Technology : Java 1.7
* Server Deployment : Tomcat Server

**MODULES/IMPLEMENTATION**

In this application involved four characters to implement this process they are Admin, Faculty, 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 , Department). After submitting the details system will send details to hod.

Operation- **View Faculty:** He can view all the faculty who are added by himself.

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

**Login:** faculty will login into the application by entering the valid details like (username and password).

Operation- **View Time Table:** Read data.

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

**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).

Operation- **View Faculty/View Time Table:** Read faculty for assign invigilation, View time table.

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

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