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**Exam’s Seating Arrangement Automation System**

**PROJECT SYNOPSIS**

OF MAJOR PROJECT

**DIPLOMA IN**

COMPUTER ENGNEERING

SUBMITTED BY

NAMES OF THE STUDENT

ROLL NO. NAME

28 Vaishnavi Zope

30 Anushri Wali

33 Shivani Pawtekar

39 Deepti Sahare



**PIMPRI CHINCHWAD POLYTECHNIC, NIGDI,**

**PUNE - 44**

Mrs. G. S. Mujumdar Prof. M. S. Malkar

**(Name and Sign. of Project Guide) H.O.D., CO Dept.**

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**Abstract:**

* Examination is a core activity of any educational institution. As the university examination arrives, there exists a lot of work like consolidating the time table of each department of the college and the seating arrangement to all the students in the college is a critical task.
* At present in existing system allotment for exam seating arrangement is done manually and also it does not keeps the track record about the students who have been allocated. Allocation of students will be done in the excel sheet. And also this is a hectic work and that will be done manually thus it may take a lot of time and require manpower. Thus, an automated system would solve the above stated problem in just few click work.
* An automated system can be used that facilitates every college to provide their student information and get the result of allotment.

**Introduction:**

* Existing system mostly includes a lot of manual calculations and is mostly paper based. This can be automated using best suited technology.
* The project aims to bring in a centralized system that will ensure the activities in the context of an examination that can be effectively managed.
* In this system, the exam coordinator has to get the time table provided by the MSBTE and then has to do all the arrangements on few clicks.
* Exam coordinator does not have to maintain any documentation.

**Existing System:**

* Existing system is very slow and inefficient. Report generation is also not an easy task in the current situation. Also if the report is generated then calculations are done manually that leads to more errors. There is lot of manual work involved in current system and mistake in one detail can lead to wrong generation of page.
* No proper collection of requirements leads a huge problem for this system. This system is to enhance manual work and also more energy is wasted to allocate the seating arrangement.

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**Disadvantages of Existing System:**

* Current system is manual so all records are maintained manually. So seating arrangement of students cannot be determined if updating is not done.
* Time consuming.
* Less efficient
* More manual work required
* Less accurate
* Not user friendly
* Difficult in hall ticket generation

**Proposed System:**

* The “Exam seating arrangement system” atomizes the existing system of assigning seating arrangement. When a student register for an examination, this system stores student examination registration details (name, roll no., branch, year, subjects) in the database depending on the branch, year and semester. These details can be efficiently used whenever required.
* The Exam coordinator gets the time table from the MSBTE and then generates seating arrangement and students list for each room.

**Advantages of Propose System:**

* A lot of manual work is reduced due to automatic arrangement of students in class rooms with seat number.
* It is easy for student to find their class room because they can view the list where their seat number is displayed with the respected hall number.
* Exam coordinator does not need to maintain a lot of documents.
* It is more accurate than existing system.
* User friendly.
* Computer operator control.

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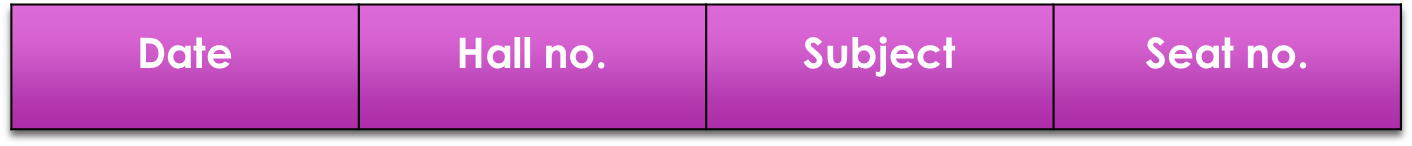
**System requirements:**

**SOFTWARE REQUIREMENTS:**

* Operating System : Windows 7
* Technology : Java and J2EE
* Web Technologies : Html, JavaScript, CSS
* IDE : My Eclipse
* Web Server : Tomcat
* Database : My SQL
* Java Version : J2SDK1.7

**C:\Program Files (x86)\Microsoft Office\MEDIA\CAGCAT10\j0195384.wmf**

**Architecture:**

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**Exam Coordinator**

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**HARDWARE REQUIREMENTS:**

* Hardware : Pentium Dual Core
* Speed : 2.80 GHz
* RAM : 1GB
* Hard Disk : 20 GB
* Floppy Drive : 1.44 MB
* Key Board : Standard Windows Keyboard
* Mouse : Two or Three Button Mouse
* Monitor : SVGA

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