

# EXAM CELL AUTOMATION.

PriyaDharshini, S., M. SelvaSudha, and V. Anithalakshmi.  
"Exam cell automation system." *Int. J. Eng. Sci. Comput* 7.3 (2017).

## ABSTRACT.

Examination processes are an essential aspect of any educational institution, and managing them efficiently can be a challenging task. However, with the advent of technology, various systems have been designed to automate examination processes and make them more efficient. The Exam Cell Automation system is one such system that has been designed to streamline examination processes, making it easier for exam administrators and faculty members.

The system allows for two levels of users, namely admin and faculty, with the admin level consisting of members of the exam cell unit. The system's features include the ability to set examination plans, generate seating plans, and report malpractice, making it an all-in-one solution for examination management. Overall, the Exam Cell Automation system provides an efficient and user-friendly approach to managing examinations, making it an invaluable tool for any educational institution.

## INTRODUCTION.

The main aim of this website is to provide ease of allotting classrooms and assigning an optimal seating plan for each student of each class. The allotment will be based on assigning a number of students (45 or 30) in a single classroom depending on the subject of examination they are attending. The allotment to each examination room will be in a manner such that no two students attending the same paper of examination are seated just beside each other.

The website is designed in such a way that there are two levels of users (exam cell unit members as admin and faculty members). There are separate login pages for each level of users too. In order for a faculty member to login to their landing page they firstly must be authenticated by the admin side (where the admin will set an initial username and password and those details will be emailed to the faculty in charge).

The admin will also have options to set/cancel exam, access malpractice records and to access attendance register of each class. The admin can set/cancel or modify an exam. In order to set an exam the admin must enter the year of students taking part, upload their CV files consisting of their register number, name and other details. Then move on to choose the classes allotted for examination. According to a seating algorithm each of the allotted classes will be filled sequentially with students. Each class allotment of students will be available at the faculty end after the necessary sorting and arrangement.

At the faculty end each faculty assigned to each class will be able to open up the malpractice register page in which they will be able to enter remarks against a student who misbehaves in the examination room by any means. Entries of information like name, register no, remarks will be assigned to and the same will be made available in the admin page so the necessary action can be taken.

Lastly but not least an attendance register of students present at each class after applying the sorting and arrangement algorithm. The respective faculty can tick the checkbox beside each and every student and upon pressing submit the status (present / absent) of each student will be available at the admin side.

