

## EXAM CELL AUTOMATION

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**Abstract** –The conventional exam cell activities requires a lot of paper work. The main goal of the system is to automate the exam cell activities. It will be beneficial for both students and staff. The automated system is an emerging concept because a large amount of data is on paper. Most of the exam cell activities which include all types of forms such as exam form, K.T form, revaluation form and photocopy forms are available in college. So, students have to line up in a long queue for submission and verification of the form. This system will arrange the exam cell activities in an efficient manner. Students can remote access the website and can fill the forms along with they can get timetable, hall tickets and exam related notices. Thus by designing this system we have attempted to ease the exam related activities for both students and staff.

**Key Words:** Automate, Forms, hall tickets, Notices, Remote access, efficient

### 1. INTRODUCTION

Most of the college does their exam cell activity manually, where students collect various forms such as regular forms, Allowed to keep terms (ATKT) forms, photocopy forms and other exam related forms. Here students line up in long queues for collecting the form fill them manually and then submit them by verifying to the authorities and this process takes a lot of time. Each student face the same problem of standing in queues and leaving their lectures to do their exam form verification and submission. So, we have come up with an idea of making a system which will minimize the tiring efforts of both the students as well as the Exam Cell department. The main goal of the system is to make the system available for students any time and students have remote access to the website where they can fill their exam form and other forms and the task of admin will be given to the exam cell staff where they verify the student details by accessing their forms and check their details from database. The student have to register themselves. Once the student is done with registration, the admin will confirm students' details and the registration to the system will be done. Admin will have all the rights to modify the student details if the students have filled wrong information in the system. The student can apply for revaluation and photocopy through the system and can access his/her exam result and the student can take print out of the result. Task of admin is to generate the results and confirm all the photocopy and revaluation request of the students. Our system is very advantageous and helpful

for both the staff and students and this system is very reliable, efficient and saves a lot of time. So, thus by designing an automated system, we have attempted to ease the exam cell related work for both students as well as for exam cell staff.

### 1.1 Need Of The Project

As we know that there are many problems in current exam cell activities because the entire task has to be done manually and this manual process take a lot of time. The existing system requires manual entry for each student details, their semester, department, subject and K.T. has to be identified. In addition, the existing system is not capable of calculating CGPI/ SPGI for each student and requires manual calculations. The staff members of exam cell also has to fill all the details of students personally for record keeping purpose. The students in existing system are required to fill all the forms manually and to submit the forms standing in a long queue wasting a lot of time for verification purpose. Once the form is verified, again the form has to be submitted to the office. Due to all these reasons, there is a need to develop a better system which will overcome all these problems easily and efficiently.

### Advantages

The Scope of the project is:-

- Online examination form filling related work for the students can be done using the system.
- The records can be updated in efficient manner.
- The data related to students can be accessed anytime.
- Application support and maintenance after deployment to production.

### 2. LITERATURE SURVEY

Xam click exam cell automation system by Harsha Khutafale, Hardika Mate, VaishnaviSabnawis, Professor NileshPatil, International Journal of Advanced Research in Computer Science and Software Engineering-2016. The system proposes to reduce the manual work which requires extra efforts and extra time to process. The system focuses on presenting information in easy and intelligent manner which provides facilities like online registration, profile creation of students which will lead to reduce the paper work in the Institutes. The biggest

weakness in the system is the security. The proposed system is prone to security attacks, password cracking which may lead to fabricated data or loss of data. Our system will overcome security problem by automating maximum processes of exam cell.

Automated examination support system by BondreRutuja, DurgiVarshaVijaykumar, MohitePradnesh Rajiv, Parkar Vishal V., International Journal of Current Engineering and Technology-2015. The system deals with the activities related to examination. The system proposes to generate Hall Tickets, generation of results etc. The system provides different permissions and accessibility rights to different users as per the requirement. Even though, the proposed system is related to all examination process required by the University of Mumbai, the system does not provide any effort in generating mark sheets as well as generation of gazette copies. Our system provides a convenient environment for users by giving them flexibility in to the system.

### 3. FLOW OF PROJECT

#### Admin Panel

- Admin Login: Admin login into the application using provided username and password.
- Manage Department: Admin manages multiple departments of the college like information technology, computers, mechanical etc.
- Manage Semester: Admin manages semesters.
- Manage Subject: Admin manages department specific subjects.
- Manage Notice: Admin broadcast the department-wise notice so that students from that department can view the notice.
- Manage Marks: Admin manages the department and subject-wise marks for result generation.
- Manage Exam Timetable: Admin manages the department and semester specific exam timetable with the date from time to time specification.
- Manage Exam Form (Regular K.T., Revaluation, Photocopy): Admin can manage the Exam Forms requested by the students for regular exams, A.T.K.T. Forms, Revaluation Forms or applying for the photocopy.

#### Student Panel

- Student Registration: Student register by filling

his personal information along with department and other information.

- Student Login: Student login using username and password.
- Fill exam forms: Student apply for exams by filling regular exam form, K.T. Form, Revaluation Form and Photocopy.
- View Exam Timetable: Admin manages exam timetable and students can view the same.
- View Hall Tickets: Students can view the exam Hall Ticket and can print, if required.
- View Marks: Students can view subject-wise marks in login panel.
- View Profile: Students can edit their personal information in profile panel.

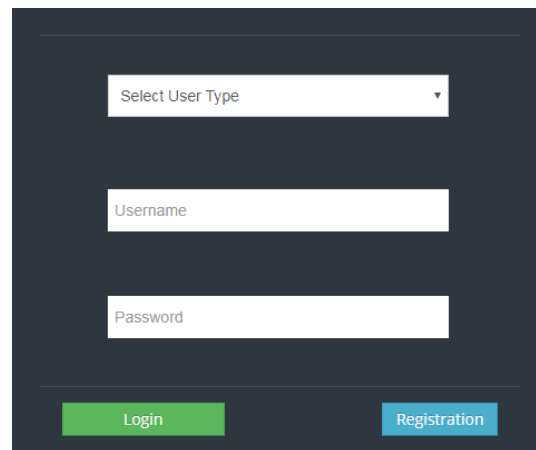
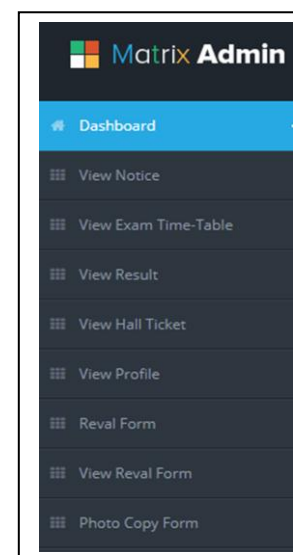
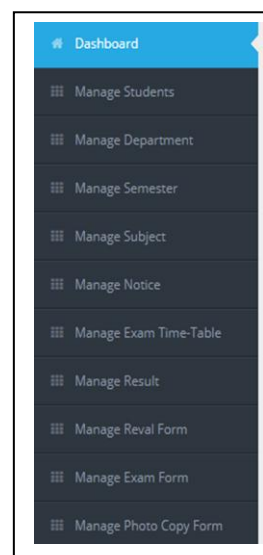


Fig -1: login page



**Fig -2:** admin and student dashboard

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#### 4. CONCLUSION

Considering the extremely interwoven nature of exam cell activities an automated solution to important activities like result generation and form filling would greatly benefit the institution. The up to date software will increase the productivity and improves the education as well. Further, the implementation of the system can perpetuate the automation of other important activities in the Institute, thus making the college more student and staff friendly. We have been successful in deploying the entire form filling, hall ticket, results module using internet.

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