Implementing an Automated System for Exam Cell Department

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Abstract: An automation system for exam cell department will benefit both the students as well as exam cell department staff to easily handle the entire task related to exam cell in contrast to the existing manual system. All the activities such as exam form filling, ATKT form filling, hall ticket filling, photocopy and revaluation form filling can be done easily with our automated system for exam cell. With the help of our system, students can submit their forms online and will avoid standing in a long queue waiting to submit their forms. Exam cell admin can easily confirm the various forms online remotely at any time. The admin can also generate the result, hall ticket of each student and can also verify, confirm the photocopy and revaluation of each applied student. The main purpose of this system is to provide ease of accessibility to exam cell department.

Key Words: ATKT (Allowed to keep terms), Revaluation, Hall Ticket, Photocopy.

1. Introduction

Most of the college does their exam cell activity manually, where students collect various forms such as exam form, revaluation form, ATKT form, Photocopy form and many other forms. Here students line up in long queues for collecting the form fill them manually and them submit them by verifying to the authorities even verification takes a lot time as many students stand in line for verification. Each student face the same problem of standing in queues and leaving there lectures to do there exam form verification and submission so, we have come up with a proposed system which will minimize the 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 anytime and students will have remote access to the website where they can fill their exam from and other forms and the task of admins will be given to the exam cell staff where they and verify the students details by accessing there forms and check their details from database. Each student need to register themselves with the system by the id given to them by the exam cell staff. Once the student is done with the registration, the admin will confirm the student’s details and the registration of the student to the system will be done. Admin will have all the rights to modify the student’s details if the student have filled the wrong information in the system.

The students can apply for revaluation and photocopy through the system and can access his/hers exam result and the student can take the printout of the result (Hard copy of result will be provided by college but system will provide referential result yet it will be correct). Task of admin is to generate the results and confirm all the photocopy and revaluation requests of the students. Our system is very advantageous and helpful for both the staff and the students and this system is very reliable, efficient, and saves a lot of time. So thus, by designing an automated system i.e. ‘E – Exam Cell’ we have attempted to ease the examination cell related work for both the students as well as for the exam cell staff.

2. Existing system

As we already know that, there are many problems in current exam cell activities because the entire task has to be done manually and because of this manual process, the entire task becomes very difficult and time consuming. The existing system requires manual entry for each student’s details, their semester, department, subjects, and K.T. has to be specified. In addition, the existing system is not capable of calculating CGPI/SGPI 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 by 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 office. Due to all these reasons, there is a need to develop a better system, which will overcome all these problems easily and efficiently.
3. Problem Statement

Many students face problem with standing in queue and their time gets wasted they do not attend lectures because the time taken to get, fill and verify the various form such as exam form, KT form, Revaluation form is very much. Therefore, we have come up with an idea to automate the Exam cell department of our college to ease their work as well as of students. This will help both the user and department staff to do the exam cell related work easily and efficiently. Currently our Exam cell department activities includes a lot of manual work including exam form filling, hall ticket form filling, K.T form filling, and revaluation form filling etc. Also after filling the forms, the students have to submit these forms in exam cell department by standing in queue and wasting a lot of time. In addition to this the exam cell staff member have to verify each student form manually, the record keeping purpose is also manual, and it is a tedious and hectic job. Therefore, to overcome all this issue related to exam cell department we have introduced an automated system for exam cell department.

Automated system will manage all the activities of examination cell very smoothly, and remotely. Students and staff members can access E-Exam cell from anywhere and at any time to fill any exam, k.t and hall ticket form and can take the print of the same. The exam cell admin can verify the student’s marks, result, and hall ticket and can edit later if something goes wrong. The students will also be notified from time to time about any queries related to exam cell. Hence, an automated system will ease the work of both students and exam cell department.

4. Proposed System

4.1. Working of the System

In this system, we have the need of student’s information and an admins who will be handling the system so; the main actors in the system are as follows:

4.1.1. Students

All the students in the college need to register themselves with the system. They can do the registration by using the id which will be given to them buy the admin. Students will use their ids to sign up and create there account in system. Once they are register with the system they will use the system to apply for revaluation, photocopy and viewing their results.

In case if any student puts the wrong information in the system so, they can come to admin for modifying their data. The role of the students is to apply for forms and view their results.

4.1.2. Exam Cell Department

Exam Cell department acts as the admin of the system and they have all the rights in the system there job is to assign id’s to the new students in order to make them register to the system. They can modify the student’s information if any student have made any errors while registration. The main role of the admin is to generate results of the students and adding there marks in the system. If any student applies of either photocopy or revaluation through the system, the job of admin is to confirm their requests. As result will be made available online, it will save the time of students by which they did not need to rigorously read the notice board.

4.2. Design of the System

![Figure 4.2.1. Block diagram of E-Exam cell](image)

![Figure 4.2.2. Use Case diagram of E-Exam cell](image)
5. Implementation

A website is never said to be complete there is always room for improvement and enhancement as the technology improves website need to be updated. E-Exam Cell is made specifically for Students and Admins of the college, in this project the new feature such as NBA () system can be implemented which will make the task easy for faculty members where they will have direct access towards students marks. We have developed this project in the form of website, which can also be viewed in mobile view.
format. In future, a mobile application can be built for various smart phones such as Android, IOS, and Windows etc.

7. Conclusion

E-Exam Cell system will be a faster and easier system for both the students as well as admins where admins will find the students information in a cartellized place and students will be able to utilize their time in understanding lectures instead of standing in long queues for applying for revaluation or photocopy. Students and admins will even have remote access to the system where the student can apply for revaluation or photocopy from home or whenever he/she is free. Hall Tickets and results will be displayed in the system so the students will no longer have to read notice boards.

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9. References


