Exam Cell Automation System

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Abstract. These days as of now exam cells movement generally incorporates a parcel of manual calculations and for the most part depends on write and paper. This primary point of this extend is to bring it in a centralized way. This will guarantee that the enacts within the setting of an examination can be viably overseen. The framework permits the college/school understudies to enlist themselves to the system by enrolling their enlistment number, title, phone number, email id, semester etc. Usually done by understudies giving their individual points of interest to the exam cell to form their login id and passwords.

Keywords: Exam, students, admin

1. Introduction

This initiative gave comprehensive data about the students. The information provided is subsequently entered into the system by the administrator, who creates student hall tickets as well as login ids and passwords. We can also produce a hall ticket, and the system will send a link to the students who have registered as a soft copy. Students with their respective email ids can access and print their hall tickets, as well as login to the system with their login id and password to alter, update, remove, and insert their personal information such as phone numbers, email addresses, and so on. The mark list for pupils is generated by the administrator. There will be a total of eight semesters for engineering students and six semesters for art and science students

2. Related work

Xamclick Exam Cell Automation System: A system that has been proposed and published in the international journal of advanced research in computer science and software engineering-2016. The concept recommended reducing manual labour, which required more effort and time to complete. However, the system's security is its most serious flaw. The primary danger is that data will be lost, forcing the institute to keep its records manually.

ExamCellAutomation:[2] Nevonprojects.com Exam cell activity currently consists primarily of manual calculations and is largely conducted on paper. The project's major goal is to create a centralized system that will allow activities in the context of an examination to be managed efficiently. The correctness of a computerized system is not guaranteed, and warehouse data is only as good as the data entry that generated it.

AutomatedExamSupportSystem : This work, published in the international journal of current engineering and technology, offered a system. This system manages examination-related activities. The system allows for the creation of hall tickets, results, and other documents. Users can choose from a variety of permissions and accessibility privileges, depending on their needs. Despite the fact that the suggested system is linked to all of the examination processes required by the University of Mumbai, it does not include efforts in the development of marklists or copies.

3. Proposed System

A. **StudentsRegister:**

To signin college students should simply offer their private facts likes login number, name, address, telecellsmartphonenumber,departmentsan did with photo,to log into the system

B. **AdminLogin:**

- Admin are able to view students who have enrolled their datainthe server and can see the new enrollmen to his login.

- Admin can collect the data of the students & update the student's details in their respective logins.

C. SendEmail:

After developing the login the device mails the hyperlink of gentle replica to each scholar who've beenregistered.

D. StudentLogin:

Students can us his/her login and can view their credentials provided by admin.

E. ViewUpdateDeleteInsertDetails:

Thesystempermitsregisteredcollegestudentstoview/update/delete/insertthenon-publicandacademicinfo like smartphonenumber ,electronicmailidentification and semester marks etc.

F. SheetGeneration:

Thedeviceletsintheadmin to generatethemarksheetofexam foreach student.

G. QuestionPaperGeneration:

The system allowsthe admin togenerate questionpaper during theexamination. afterallottingtheschedule it generate question paper to the various students in the various department. hence it distribute thequestiontothestudentsaccordingtotheirquestionallottedbythe examcell.

H. AutoMCQCorrection:

After distribution of question paper to the studentsthey will answer the question for the particular time.after the time over it will autocorrect it store the mark in the databaseof thes tudents.

I. AssignmentAndExamDetails

System allows admin to generate assignment and exam details to the students. and store the assignment and examdetails in the microsoft accessstudent's database.
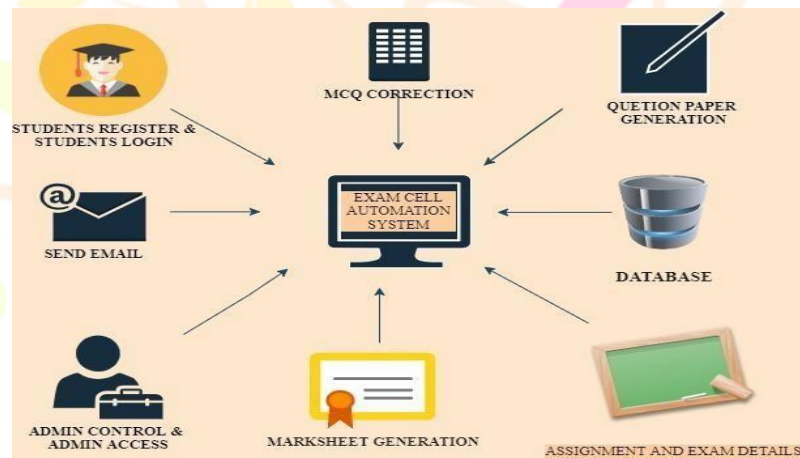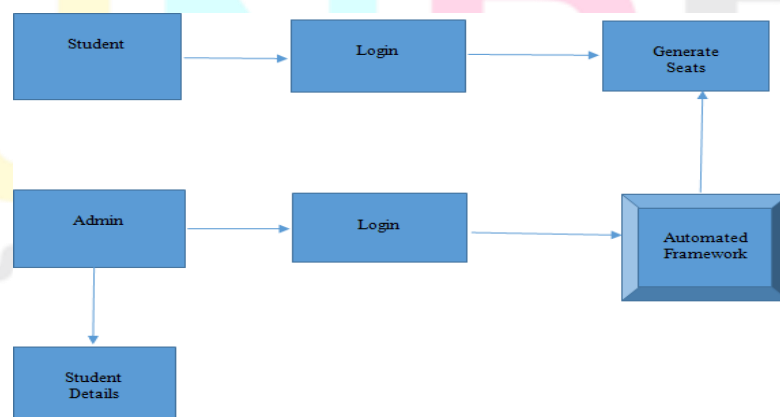
4. Design

Figure 1: Architecture Diagram

Figure 2: Flow Diagram

5. Methodology

A. **Hardware Requirement**
- Inteli3processor/AMD3Ryzenbasedcomputers
- 1gb-Ram
- 5 GBHard disk

B. **Software Requirement**
- WindowsXPearlierversions
- Visualstudio2008
- MicrosoftAccess/SQLServer2008(earlierversions)

C. **Advantages**
- Students can view their hall tickets by clicking on the URL supplied by the administration.
- The technology allows only registered students to log in, preventing unwanted access.
- Students have the ability to change their information as needed.

D. **Disadvantages**
- Sincethesystemisonline, thestudentsmaygetfailtoreceivenotificationfromcollege.

6. Application

This system can be used by all the schools/colleges who autonomously take exams in their respectiveschools and colleges.

7. Conclusion

Nowadays the exam cell staff suffer to maintain the database of the students. Hence our paper exam cellautomation system may help them to maintain records ofthe students and also it helps in the several wayslike maintaining the database of thestudents, question paper generation, students login, editing and updatethe data and soon.

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