Automated Exam Cell System

Ninad Parkar[1], Jay Parab[2], Kirti Patil[3], Prof. Dhanashri Bhopatrao[4]

[1,2,3]Student, Dept. of Computer Engineering, L.E.S. G.V.Acharya Institute of Engineering and Technology, Shelu, Maharashtra, India

[4]Asst. Professor, Dept. of Computer Engineering, L.E.S. G.V.Acharya Institute of Engineering and Technology, Shelu, Maharashtra, India

---***---

Abstract - *Recently Exam cell management mostly includes a measure amount of manual work and mostly it is paper based work. It should be in a centralized system so activities and examination work can be managed easily. This system provides students to register their information into the system by providing their Enrollment number, Name, Semester, Syllabus pattern, Examination, Etc. This project will automatically generate the CGPA according to marks Enter by the Faculty. Automated Exam Cell Management System is built for the college to easily access the activity of Staff and Students. It gives an information about the examination about any student of any department. The information is stored into the database, which will be access by the teacher for particular student. The admin updates the student information, staff information and also admin can add or delete them.*

***Key Words*: Database, CGPA, Exam Cell, Result Generation, Revaluation, Registration.**

1. INTRODUCTION

Most of the important processes in the institutes are carried out manually such as the registration of the students, managing huge information about students, faculty members. This results in poor efficiency, lots of documentation which again leads to unmanageable data, tedious process and requires a lot of time and human resource[2].

The main goal of the Exam Cell Automation System is to minimize these workloads. The Exam Cell processes include the managing of student's academic status distinguished by the year, the departments, the classes with respect to subjects. The Exam Cell process also includes the generation of hall tickets, the generation of exam forms along with the k.t. forms, the generation of results, the generation of gazette copies etc[4]. These all processes are carried out either manually or with the help of some third party software. The use of multiple software for carrying out a process is never considered efficient.

2. PROPOSED SYSTEM

The project deals with the registration of students, the faculty members, generation of automated exam form as well as the k.t. form.It will also generate the automated results for the students which can be accessed remotely. It is capable of checking the eligibility of the students i.e. if

they're eligible for the next semester, based on which respective hall tickets will be generated for the students.

3. COMPONENTS

3.1 Bootstrap

Bootstrap build responsive, mobile-first projects on the web with the world's most popular front-end component library. Bootstrap is an open source toolkit for developing with HTML, CSS, and JS. Quickly prototype your ideas or build your entire app with our Sass variables and mix ins, responsive grid system, extensive prebuilt components, and powerful plugins built on jQuery.

3.2 CodeIgniter

CodeIgniter is loosely based on the popular model view controller development pattern. While controller classes are a necessary part of development under CodeIgniter,

models and views are optional. CodeIgniter can be also modified to use Hierarchical Model View Controller (HMVC) which allows the developers to maintain modular grouping of Controller, Models and View arranged in a sub-directory format. CodeIgniter is most often noted for its speed when compared to other PHP frameworks.

3.3 XAMPP

XAMPP is open source platform, very easy to understand and implement. It consist of MariaDB, PHP, and Perl. Goal of the XAMPP is to make easy server environment for the user to do testing of there web app and other web related product.

4. SYSTEM ARCHITECTURE
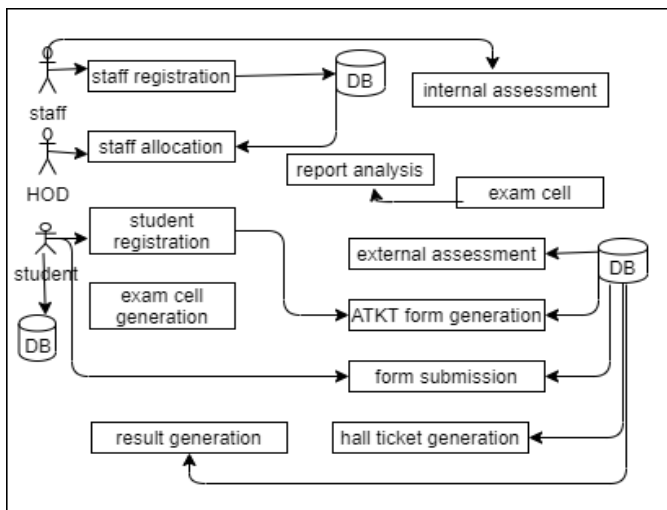
The students and the faculties will be registered first followed by the collection of information about the students, faculty members, exam-cell staff members. The system will generate the hall tickets, results and also the mark sheets for the students. If the student has any k.t., the k.t. form will be generated for the students and revaluation. The marks will be entered by the exam-cell. The system will detect if the student is eligible or not so will generate its respective hall tickets. The system will also allow the students to view their results from any remote access, print their hall-tickets. This system will

allow the students to access the exam form, k.t. form generation. The system will also generate the gazette copies of the student's results. In this system, input will be the marks of the students of their theory exams, practical exams, internal assessment and term work. Grades and pointers of student can be calculated according to rules, formulae and ordinances. Our system is divided into various modules 1. Login Module 2. Generation of Exam Form/ K,T. Form 3. Generation of Results 4. Generation of Gazette Copies

5. CONCLUSION

Ultimately the result of the implementation of this project will lead to reduce the workload of the students, the faculty members and the exam-cell staff. The result would be a fully-fledged working Automated Examination Process System. Apart from this the students will be able to view their results, their academic status on the system itself. The faculty members will be able to enter the marks for respective subjects for the students and many things. The Exam-cell staff will be able to enter the external examination marks of the students and many things. Student will be able to fill revaluation form, K.T. form, exam form etc. Remotely.

ACKNOWLEDGEMENT

REFERENCES

[1] Prof. Nilesh Patil, "XamClick Exam Cell Automation System by Harsha Khutafale, Hardika Mate, Vaishnavi Sabnawis", International Journal of Advanced Research in Computer Science and Software Engineering-2016.

[2] Bondre Rutuja Avinash, Durgi Varsha Vijayku- mar, Mohite Pradnesh Rajeev, Parkar Vishal `V., "Automated Examination Support System", International Journal of Current Engineering and Technology-2015.

[3] Prof. D. V. Shinkar "QR code Authentication System for confidential(digital Mark sheet) Encrypted data hiding and retrieval (Decryption)": International Journal of Advanced Research in Computer and Communication Engineering.

[4] John Enderle, Nicholas Noyes, Abdullah A. AlAqeel "Custom report generator": IEEE 26th Annual Bioengineering Conference, 2000.