

## Mock Test and Examination System

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### ABSTRACT

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As information progresses and Communication technology is growing rapidly in our daily lives, E-learning systems are getting more and more attention in education mechanism. Online Examination is so popular because it provides quick feedback in evaluating examiners or candidates. An online examination system that can solve academic misconduct should be the main consideration that can reduce these behaviors to a certain extent. Online Examination has reduced the workload of teacher. The main aim of application is to avoid academic malpractice. The objective of the Application is to provide a system that could save the efforts and time of both the institutes and students. According to the teacher's requirements, test papers with a certain degree of difficulty, quantity and value can be automatically generated in this application. Users only need to register in the system to perform their own identity authentication to enter the test, and manage and maintain the exam questions, exams and user information. The content of the examination can be continuously enriched and improved by the corresponding teacher. It will have important practical significance to improve work efficiency.

**Keywords :** Academic Mal Practice, Security, LMS, JAVA, Flexible

### I. INTRODUCTION

Exams are the best way to test a person's learning ability. With the rapid development of computer, network and network technology, educational institutions have replaced their manual examination systems with network-based examination system and it not only reduces the financial cost of the examination, but also reduces the burden on teachers and administrative management[4]. In today's era, online learning has been greatly developed in many

educational institutions and organizations. The main advantage of e- learning is that it can cover all categories of people of age, location or time of learning content [1]. There are many advantages of Online Examination.

Online Examination provides more security. Online examination also achieves the objectivity and impartiality. The most significant benefit is that immediate feedback to student. Online examination result is precised and accurate. Two main benefits of

online exams. First, it saves a lot of costs that are saved by using machines to replace labor in the scoring work; secondly, because the evaluation is more frequent, it can improve the learning potential of students [2]. Another significant benefit is that you can immediately provide feedback information about homework and exams to students. After submitting exams, the software provides students with answer keys and their own answers.

Online exam results are determined by the computer which saves the time and cost corresponding to manual inspection [3]. Based on the advantages of the Internet, the concept of the examination system has been modified by designing an application in which the teacher sets questions and answers.

## II. LITERATURE REVIEW

From this paper [1], we came to about a technique such as Tab-Locking, Randomization. It can be implemented with JAVA. In this tab-locking means user will not able change their tab. And randomization will randomize the question and its options. We came to about from this paper [8] Face Recognition, Fingerprint Verification, iris recognition this technique. And the technology used is Java-Script, MySQL.

If Unknown face is recognised then exam will be paused so There will be no malpractices. User experience questionnaire (UEQ) tool was used in this application [4]. It will provide user to give their feedback about their examination. Automatically checking answer, Web based examination, security authentication, question bank management, test paper management, online examination, announcement, sourcing, check results etc this technique is used in online examination [7]. Technology used are MYSQL as database, JDK, Tomcat server, in this student will get more security.

It will be a web-based examination and Web based examination, can be used in mobile and in desktop. One of the papers also contain LMS (Learning Management System), Multi-choice exams, Instant feedback to improve student performance [3]. Student can have video lectures and student will solution to every question. Every student will get feedback on their performance. So, student can improve their performance. Online Monitoring, biometrics, facial recognition are the features/Advantages of the system proposed in paper [2] which has used Java and CSS for the development of the system. This system takes care of the malpractices attempted by the students through Online Monitoring and Biometrics, it does not have a mobile app which is the one disadvantage of this system.

## III. EXISTING SYSTEM

The whole process of assigning tests and evaluating scores after the test, Until now, it was done manually. Processing test papers means checking and assigning corresponding scores, which used to spend time when the software was not installed

## IV. PROPOSED SYSTEM

The proposed system will consume less time and be more efficient. The result will be very precise and accurate. User will not be able to share the answer with others. The proposed system is very secure because it relies only on administrator. The candidate records and their marks will be stored in database. The proposed system will consume less time and be more efficient. The result will be very precise and accurate. User will not be able to share the answer with others. The candidate records and their marks will be stored in database. Student has enter all details correctly then appear for the test. Finally the system will evaluate the answer and display the result.

## V. WORKING

The application consists of three modules, namely Student module, Teacher module, and examination phase. During the examination phase, students are getting a set of questions from the server, and each student answers for the questions and submits it back to the server.

### REGISTRATION

For the giving Mock test in the application student must register in the application where they have to enter some basic details. After successful registration student can register using username as Email id which they have entered in the registration and following password.

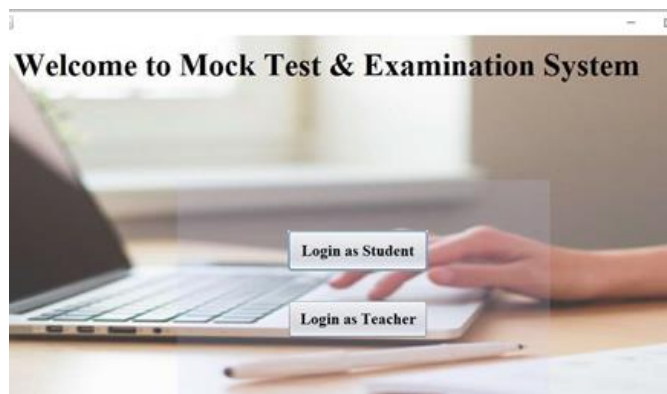


Fig. 1. Registration

### STUDENT MENU

After successful login student can view the following page. By choosing Mark Attendance student will be directed to a page where they have to basic details to submit attendance. After doing this they can click on Start Test button and they will be directed to a page containing Instructions for the test and test will begin

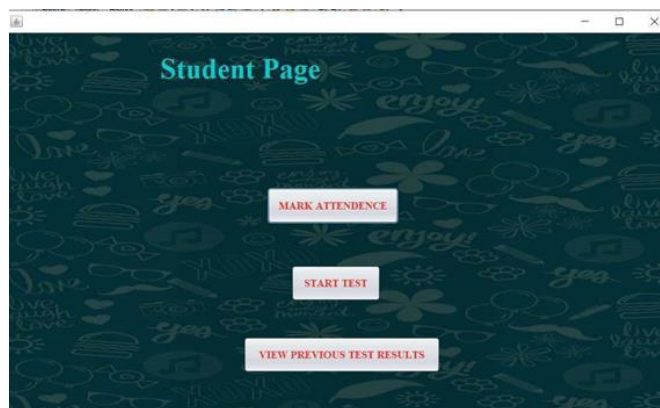


Fig. 2. Student Page

### Teacher menu

After successful registration of teacher. Teacher will be directed to the following page. If teacher wants to create test paper they will be provided with following options as shown.



Fig. 3. Teacher Menu

## VI. SUMMARY

In this research the development of an Examination system is presented, that tends to remove shortcomings such as it more security, Exam results are determined by the computer which saves the time and cost corresponding to manual inspection. The implementation of the proposed system shows that this examination method has a higher degree of satisfaction than the previous system.

The application is based on a constantly updated database of exam questions, which can continuously enrich and improve the content of the exam according to the needs of teachers. At the same time, test papers can be generated with a certain degree of difficulty, quantity and value according to the teacher's requirements. The client configuration is simple and may be subject to geographic restrictions. Now, the system is natural and flexible for both students and teachers. The current system only supports multiple-choice questions, but certain types of questions will be added in the future, such as programming questions, multiple answer questions and new anti-cheating strategies to make the system a complete online examination system

## VII. ACKNOWLEDGEMENT

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## VIII. REFERENCES

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