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# Online Examination System

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**ABSTRACT:** The online Examination portal is a web-based application for technical evaluation. The online examination portal not only replaces paperwork but also releases the workload of faculty. Most of the e-examination (Online Examinations) have fixed number of questions without randomizations, they have pool scalability. Online examination system is increasing rapidly with the change in scenario due to the pandemic, also it seems to be an easy, flexible, and secure methodology to carry the examinations effectively.

**KEYWORDS:** online exam," "e-exam," "digital assessment," "remote proctoring," "online testing," and "automated grading

## I. INTRODUCTION

These days, Online examination system is a web-based examination system where examinations are given online. either through the internet or intranet using computer system. The main goal of this online examination system is to effectively evaluate the student thoroughly through a totally automated system that not only reduce the required time but also obtain fast and accurate results.

The online examination system is an web application. This framework will help the college/institution to access the inquiry have different alternatives with one right reply. These days Online Examination System is considered a fast-developing examination method because of its speed, accuracy and also because of pandemic(covid19). Virtually all organizations today, are managing their exams by online examination system, meanwhile it reduces student's time in examinations. It is also needed less manpower to handle the examination. Therefore, of this, the result is calculated in less time. It also helps diminishing the need for paper. Online examination project in PHP is very beneficial to learn it, according to today's requirement Online examination system is significantly important to the educational institution to prepare the exams, saving the time and effort that is required to check the exam papers and to prepare the results reports. Online examination system helps the educational institutions to monitor their students and keep eyes.

## II. RELATED WORK

Online examination system as an important part of the assessment of student's learning outcomes, which needs to be confidential to the examinee and the related questions. The related data and operation must ensure the safety of the whole system. For system operators, admin need to assigns different operating authority. Before operating, the system needs to authenticate the user's access. Only an operator with corresponding rights is allowed to related operations, otherwise, his operations are refused. In addition, the system interfaces of the user are not allowed to access or operate are hidden. In order to ensure the data security of the system, it is necessary to strengthen the security of database management system, preventing illegal data destruction and loss of important data. In database security, mandatory access control and custom access control need to be implemented.

The system assigns different user roles for different database users, and grants the permissions for user. In addition, the system needs to strengthen the management of user access permissions. Only a specific permission operator can do the corresponding operation. The system needs to adopt two methods of access control and network control, ensuring no unauthorized access to the whole system and no illegal use to each function.

### III. METHODOLOGY

In developing this system some methods will be applied in order to accomplish in an effective manner

#### EXPERIMENTAL RESULTS:-

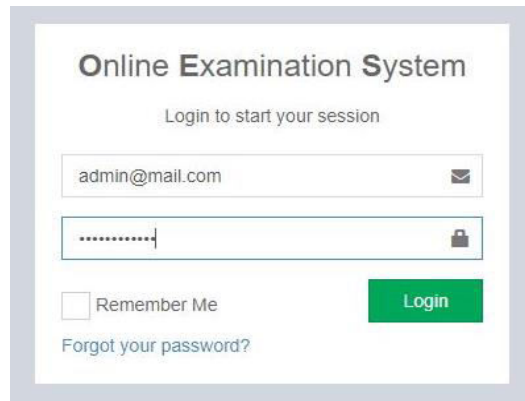


Fig.1 (Login Page)



Fig.2 (Dashboard)

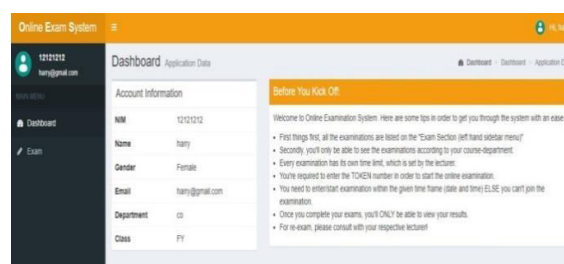


Fig.3 (Dashboard login and Access)

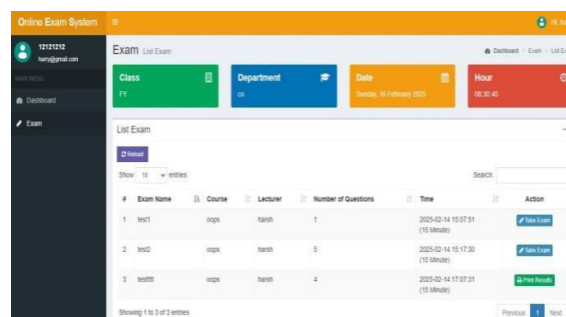


Fig.4 (Exam Interface)





Fig.5 (Student Dashboard)

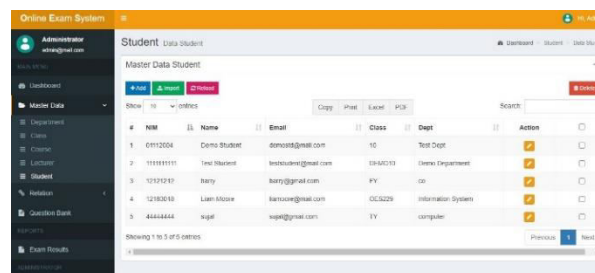


Fig.6 (Student Page)

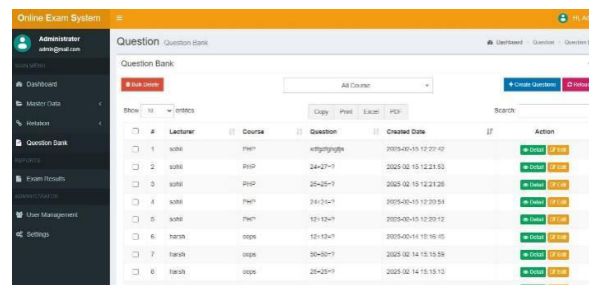


Fig.7 (Question Bank)

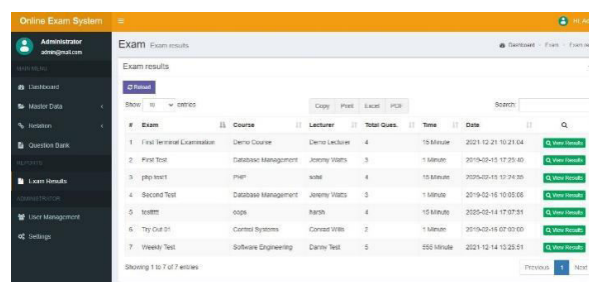


Fig.8 (Exam Result)

## IV. CONCLUSION

Online Examination System is significantly superior among the other exams. We have come to result that the problems can be solved by introducing new security systems using biometrics, we can identify the student's true identity by analyzing digital signature or by finger print mechanism and also by providing web cameras in the examination hall. Although web cameras Sometimes gets failed, if supposed a candidate is giving exam and facing downwards in such case Iris recognition and face recognition must be used.

We conclude that no mechanism is ideal. Each mechanism has some restriction on its own. Key concepts are to develop paperless environment and to convert all the documentation in digital form. With the completion of this project, we conclude that it has achieved its purpose.

The whole project provides a base for students to take their exam using software and allow teacher to add questions and answers into the system. The system is developed using PHP and MySQL are saved in the database. Online examination system for introduction to management course is the best compared to paper-based exam. The automated system helps students and lecturers to save time and makes the process faster. It saves space since answers papers will not be used. With a user-friendly system that has security, integrity and the database is neither inconsistent nor redundant.

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