

# An Overview On: Exam Ease with Online Exam Portal

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**Abstract:** *Our online Examination System is a special kind of program where examination of the coed are often taken during a correct and efficient manner. Online Examination System consists of some Question(MCQ) types & and also the student are to give the right answers of these question by selecting the suitable choice. Once a solution is submitted (it won't possible to return back to it question). An internet examination system could be a web-based examination system where examinations are given online either through the net or intranet employing a automatic data processing system. The principle objective of this online examination system is to effectively evaluate the scholar thoroughly through a completely automated system that not only reduces the specified time but also obtains fast and accurate results.*

**Keywords:** Online Examining, Online Proctoring, Systematic Literature Review, e-Learning, Exam Creation

## I. INTRODUCTION

We all live below the constant influence of technology. Be it at our workplace or home. The greater part of the areas like design, staple goods, and monetary have moved to the online space during this pandemic. Additionally, instruction has conjointly denoted a change in outlook toward innovation. An online examination software assists schools and colleges to conduct tests using the internet. Most folks became acquainted with the character of online classes and video lectures. However, issues persist as so much as online exams area unit involved. Utilizing on the web test programming takes care of this issue. Also, it does as such with insignificant human intercession. Online test portals have become necessary for schools, universities, and colleges across the country. this situation with the Coronavirus pandemic could be a threat to the standard idea of homeroom instruction. At the identical time, training can't stop. Henceforth, a shift to the computerized area was apparent. Our project "Online Examination System" is a web-based application which offers schools/colleges and various institutes to conduct an online examination, The students can sit at individual terminals and login to write the exam in the given duration. This application will perform alteration, show the outcome promptly and furthermore store it within the table. This app enables administrators to feature new exams. This app provides the trainer to feature inquiries to the exam, change exam questions within the exam during a specific exam. This app takes responsibility of the authentication of the administrator, instructor likewise as student. Online examination contents providers specialise in creating questions and specializing in exam feedback delivery by student

## II. LITERATURE SURVEY

**1. Effectiveness of Online Exam Portals in Education:** The result of which has been that the efficiency of the online exam plots in the academic environment is investigated by numerous scholars. The work of Smith, et al., (2018) showed that online exam portals were perceived as convenient and flexible tool that boosted customers' satisfaction and were better off than the paper-based traditional exams.

**2. Security and Integrity:** Literature on safety issues has always been a major question mark. Works that have been done previously such as those by Johnson (2019) and Chen, et al. (2020) examined several security methods that are implemented protecting online test-portal to ensure the integrity of the examinations. These will consist of plagiarism detection tools, proctoring systems, and secure login solutions.

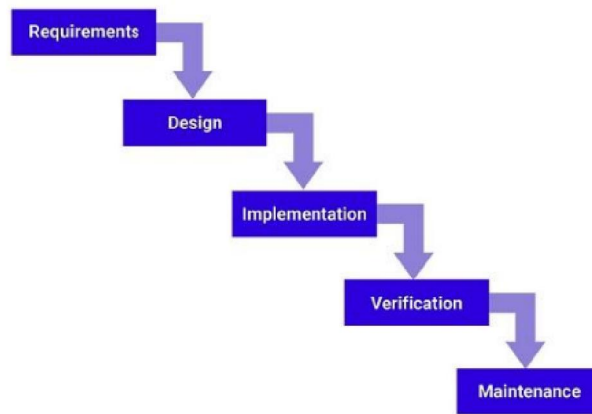
**3. Accessibility and Inclusivity:** The extent in which exam platforms for hearing impaired and students with special needs online examination is yet to be established. A research consists of an assessment of whether or not the while Brow and Jones (2017) mentioned how crucial it is to create systems with accessible features to take into consideration learners with disabilities while promoting diversity in education.

User Experience and Interface Design: A number of studies have been made considering Users' experience and have focused on the web interface portals design. As shown by Zhang and Li (2021), the key factors that are considered in online assessment design are the intuitive and easy-to-use interface which are critical in increasing student engagement and alleviation on online testing anxiety.

**4. Learning Outcomes and Academic Performance:** The examples of the studies of Garcia et al. (2020) who studied among other things about the online exam portal and the effect on learning outcomes and academic performance put forward shows a close collaboration between the researchers and the educational institutions. The research results show that custom-made online exam sites can be highly effective in advancing knowledge levels and enhance students' academic results

### III. METHODOLOGY

This application is built successfully using Waterfall Development Model. The waterfall method to be the foremost traditional software development method. The waterfall method may be a rigid direct model that comprises of consecutive stages (necessities, plan, execution, confirmation, maintenance) that practice in distinct objectives. Each stage should be 100% finished before the subsequent phase can start. There's usually no process to change project or direction. The most important part as the entire project would be dependent on the language. As our project was based on PHP, the user interface was developed by using Bootstrap, Html, CSS. For storage and retrieval data from our application we use MySQL.



**Figure 1:** Waterfall Development Model

**1. Planning and preparation :** Go ahead and choose the mode of instruction you wish to remain. This means among others things form of the testing (multiple -choice or essay), filling the test inventory, setting time limits for each part by overall test time.

**2. Designing the exam portal :** The second strategy would be to establish an online platform that attracts the candidates with the test provided. Our ambition is to supply the students with an interface this help them in their quest to log in to the exam, tap into different sections, and complete their submission.

**3. Security measures :** As one of the action plans we defend all the tests, including serial numbers and signatures dates, to make sure that the process is followed by the rules. To remove unfair advantages consequences additional such might necessary about i.e. randomize questions, time limits, and anti cheating measures backed by remote proctoring or plagiarism detection software.

**4. Test administration** : Upon receiving their login details through email, they can login on the exam platform which should be active and they can start their test. They can make a choice from the comfort of their home through self-paced courses offered, and according to their preferred time they can attend the course without any impression of a deadline.

**5. Grading and feedback** : The moment the writing is done and submitted, the stored-in the computer system with the pre-set standard quickly, marks the replay. Very fast the results are delivered and students can monitor right away at the end of the exam as the get to the very end of the exam they can easily verify the scores.

**6. Continuous improvement** : Students, as well as teachers, take exams through the online portal, which we use for collecting feedback to understand whether they are happy about the exam format, the questions or the system itself. This is done to be able to make the appropriate adjustments where necessary.

#### **IV. CONCLUSION**

At the end, there are some pros of implementing online exam portal. The environmental improvement also counts as one of the most favorable aspects of the digitalization. This is what I would like to state and which has been done in this project after the completion. Such an approach will make it possible to actually use the educational software for the exams, where the teacher will have the ability to enter questions and answers into the system. The program was written in PHP and MySQL, it is saved in the database. The online exam system that will be the most appropriate for the foundational course on management is the one with the traditional paper-based exam compare to others. This automatic system does not only help faculty and students to save some time but also makes the process of marking more quick and effective. The main advantage of this method is that it saves up the papers as the questions are not written. We are being the customer's database that has the strong security, integrity and the information is not inconsistent nor redundant.

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