

The Digital age of Assessment

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Abstract

The purpose of an online examination portal is to provide a virtual test environment where exams can be taken efficiently, eliminating the need for manual paper checking and saving time. The primary goal of this web-based system is to comprehensively assess students through an automated process, ensuring both quick and precise results.

The Online examination system we offer facilitates a rapid and convenient method for students to participate in tests. The system ensures prompt delivery of accurate and secure results immediately following the examination. Access to the exam is restricted to students with valid login credentials consisting of a username and password. The assessment consists of a variety of multiple-choice questions with an appropriate options.

Keywords: *Online, Examination, system.*

1. INTRODUCTION

The Online examination system aids students in accessing tests swiftly and effortlessly. Moreover, it ensures the prompt delivery of exam results with utmost precision and security. Only students with valid login information, namely a username and password, are granted entry to take the exam. The assessment comprises multiple-choice questions with an appropriate range of options. It is worth noting that there are no restrictions to the number of options provided, and the system can randomize the questions, ensuring that each student receives a unique set of questions.

So it prevents manipulation. More than one option can be correct, but the user can select only one option. This provides a time limit. The user can see their results after completing the exam. This helps the students to write the exam from far distance and which can provide security and simplicity and other beneficial features to the user.

The Online Exams System fulfills the requirements of educational institutions by enabling them to administer exams online without the need to engage a software developer for creating a dedicated platform. All they need to do is register on the site, put exam details, and provide a list of eligible students. This eliminates the need for students to physically attend a specific location to take the exam. Additionally, students can access their results instantaneously. Therefore, the purpose of the site is to offer a time and effort-saving solution for both institutions and students.

- [1] This system is applicable in both educational settings and corporate environments.
- [2] It is a web-based application, allowing for its utilization at any location and at any time.
- [3] There are no limitations requiring the presence of the examiner during the candidate's test-taking process.
- [4] Design to facilitate Administrator and User.
- [5] Online examination system is specifically designed for educational institutions, including schools, colleges, and private institutes, to regularly administer logical tests to their students or employees.

2. PROBLEM STATEMENT

The current system requires a lot of manual work. Students face notable difficulties when it comes to physically attending the examination center, especially for those who live far away. This situation presents significant challenges and obstacles for these students in terms of accessing and participating in exams. The traditional approach involves cumbersome tasks such as preparing registration/application forms, manually printing a large number of question papers, and handling the registration process. Verifying student details each month manually is also time-consuming and requires a considerable workforce, leading to both time and financial wastage. Furthermore, they can make prompt entries even in the absence of the responsible person.

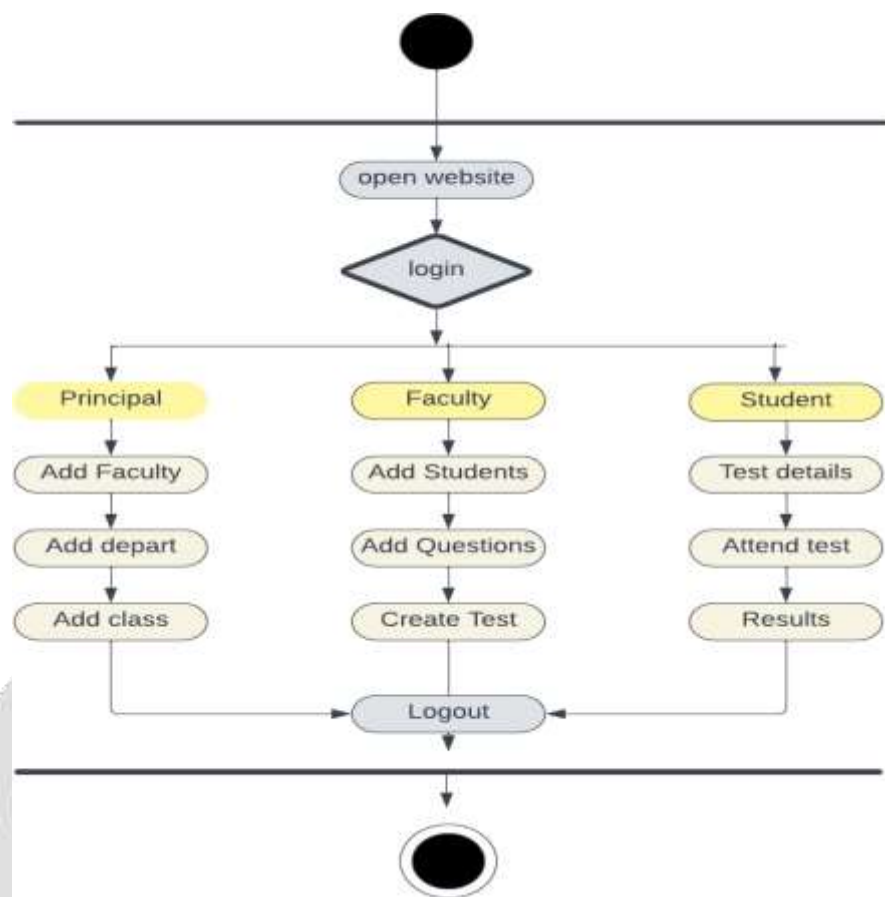
- [1] Time Consuming for creating question paper
- [2] Time to check right and wrong answers
- [3] Calculation of Marks
- [4] Human error
- [5] Limitation of no of student can give examination at a time
- [6] Require teacher to monitor exam center
- [7] Student needs to come exam center for giving test .

3. LITERATURE REVIEW

The development of a modern computerized system aims to address the limitations of the existing manual system used in ABC College's examinations. After conducting a comprehensive analysis of the manual examination process, we have pinpointing specific areas that can be automated. By implementing the proposed systems, we can unlock a multitude of benefits and advantage. It allows people from various locations worldwide to register effortlessly. The newly developed system is meticulously crafted to cater to individual needs, guaranteeing that every user can effortlessly grasp its functionalities and choices. The system's design prioritizes personalization, allowing users to adapt it to their preferences and ensuring a user-friendly experience for all.. One significant advantage of the proposed system is its strong emphasis on maintaining security.

The system ensures the confidential maintenance of all crucial data by implementing robust security measures. Its user-friendly and comprehensible interface enables swift data entries in the system.

- [1] Complete Automation, no manual intervention in whole process of examination .
- [2] No geographical boundary
- [3] Students have the flexibility to take examinations from any location worldwide, at any time of the day or night, due to the 24x7 accessibility of the system.
- [4] 100% accuracy in result calculate
- [5] Randomization of question



4. EXISTING SYSTEM

There many online examination system in the market today. In this part of the report we will briefly describe the existing system and undermine the features of the proposed system. These features are the improvements or advantages of our proposed system over the existing system.

Sify-itest, Exam-prosoftware, Exam 9product, iSummation Technologies and many more are the widely used online examination software today.

6. PROPOSED SYSTEM

[1] The development of the modern computerized system aims to show the limitations observed in the manual examination system used at ABC College. We conducted a comprehensive analysis of the manual system and identified areas that can be automated. The proposed system offers numerous advantages.

[2] Users from various locations can easily register in the system. The new system provides a more personalized experience, designed in a user-friendly manner that allows new users to easily understand and navigate through all available options.

[3] The system is designed to be quick and easily accessible, providing a convenient reference for users. It ensures that access to important features and information is not consistently restricted and can be easily obtained during emergency situations.

[4] One of the significant benefits of the proposed system is the implementation of robust security measures, ensuring the maintenance and confidentiality of all critical data.

[5] The system ensures the utmost security for all essential data by maintaining confidentiality. Additionally, its user- friendly nature allows for quick and effortless data entry.

- [a] Manual exam is sort of an assessment that is intended to measure an Individual knowledge.
- [b] Security and confidentiality.
- [c] Accessibility and Flexibility.
- [d] Cost saving
- [e] Time consuming

7. METHODOLOGY

- [1] Our project helps to students to attend the exam easily anywhere in the world.
- [2] Admin/principal manage the records of both students and faculty.
- [3] Faculty can create the test ,add the questions

8. OBJECTIVES

- [1] The primary goal of the "On Line Examination" project is to simplify and streamline the evaluation and administration of exams, making it cost-effective and accessible on a large scale.
- [2] The project aims to provide an interface that enables students to take exams online, including both objective and subjective question types.
- [3] Students will have the ability to register themselves for exams, eliminating the need for manual registration processes.
- [4] The system will prevent the use of copy and paste functions when answering subjective questions on the web.
- [5] Once the student initiates the exam, an automatic timer will start, displaying the remaining time.
- [6] Questions will be presented randomly from a question bank during the exam.
- [7] Objective answers will be automatically evaluated by the system based on the stored database.
- [8] The system will offer the username and password functionalities, and it will ensure proper authentication of credentials during login for students, experts, controllers, and the Examination Department.

9. ADVANTAGES

The benefits of the proposed system:

1. No manual testing, fully automated testing.

2. Easy to take test by students.
3. 100% accuracy
4. Easy maintenance

10. DISADVANTAGES

- [1] One of the major disadvantages of online exam is cheating.
- [2] Difficulty in grading long answer type.
- [3] Challenges in technology adoptions.

11. FUTURE WORK

We have prepared a new system after identifying issues in the existing manual examination system. The scope of this online examination system is very huge in terms of other manually taking exams. However, we can improve our system in the next version like.

- Linking of other online sites.

12. CONCLUSION

The web-based application enables the global administration of online examinations. It significantly reduces time taken by facilitating simultaneous participation of multiple students, and the results are displayed as soon as the test concludes.

Faculties as users are granted the privilege to create, modify, and delete test papers and their respective components within the system.

Users have the capability to register, log in with their unique identification, and proceed to take the test. Upon completing, they can view their test results as well.

9. REFERENCES

- [1]. Software Engineering K.K. Agawam and Yogesh Singh
- [2]. Head First Servlets and JSP Bryan Basham, Kathy Sierra and Bert Bates
- [3]. JAVA Balaguruswami
- [4]. George Shepherd (2005) Microsoft ASP.NET 2005: Step By Step. 5th Ed. Ben Ryan and Kathleen Atkins (Eds.). Redmond Washington: Microsoft Press.
- [5]. Jesse Liberty and Dan Hurwitz (2002) Programming ASP.NET. Ron Petruska and Valerie Quercia (Eds.) United States of America: O'Reilly .