ONLINE EXAMINATION SYSTEM

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Introduction

Examinations are a basic necessity for the smooth flow of a course and for the assessment for the particular individual. It measures a test-taker's knowledge, skill, aptitude, physical fitness, or ability or standing in some other topic. It is a set of questions designed to measure those things.

In the current pandemic situation, conducting examinations via online has become the need of the hour. People are in a situation of jeopardy in case of choosing to write the examinations or to safeguard their health first. So a better and fast alternative is to bring in the concept of online examinations as it covers all the basic aspects of conducting a regular examination and makes things more viable and precise.

Project Objective

Online examination system is a Test Management Software, which offers a complete solution for Computer Based Test (CBT) .They are used to set up multiple choice tests for set time periods that when submitted are automatically corrected and the results logged beside the student's reference number.

Problem Definition

In the existing system, the examination system is not online. The examination is on paper and the students have to reach the location physically for attempting the exam. Other examination activities like maintaining the list of students, keeping the record of which student has already attempted the exam, calculating marks and deciding scores for students are very tedious and time taking. They are also subject to mistakes and errors as the whole process is manual.

Proposed System

In the proposed system, the examination activities are conducted online. The whole examination process is automated, starting from preparing the question papers of various subjects by the teachers till the calculation of results of students. The life of both teachers and students has become very easy by the introduction of this system. It also offers security as each teacher or student has a secure username and password for accessing the system. The score of a student or a question paper cannot be leaked. The results produced are unbiased as they are computed by the system.

The Subject of exams can be modified like new subjects can be added and old subjects can be deleted. The Questions of the test can also be modified depending on the requirement and changing syllabus. Administrator can also delete the student records who have finished the test.

Scope

- ➢ The online examination system provides ease of access for the students compared to the customary pen and paper mode.
- ➢ The countdown timer helps the students to plan their answers accordingly.
- ➢ The system is more reliable and efficient.
- ➢ Results can be published much faster.

Requirement Specification

Functional Requirements:

Student

- Registered students can login
- The student can take part in the examination
- They can submit their examination and view the results

Teacher

- Registered teachers can login separately and view the marks of the students
- Teachers can set the question paper

Non-Functional Requirements:

- Efficiency: The system should be able to operate much better than the conventional pen and paper mode of examinations.
- Reliability: More reliable as data is automatically stored in the system.
- Usability: System interface is simple and much easier for the students to take any kind of examinations.
- Portability: Can be run in any kind of environment.
- Maintainability: It refers to the ease with which the modifications can be made in a software system to extend its functionality, improve its performance, or correct errors.
- Security: Secured data and information can be kept confidential and tamper-proof as compared to the traditional offline examination system