**Online Examination System**

**1. INTRODUCTION**

**1.1About the project**

Examinees receive their user ID and password for an online examination system along with their admit card. This id has already been saved on the test server. When a user logs in to the server, their profile is already registered. Examinee receives notification to begin examination at predetermined time. The server saves all of the test taker's responses together with his or her profile information. If an examinee has to amend an answer during the examination, they can do so using the online testing system; however, changes made beyond the time limit are not permitted. Since computers are more accurate than humans and produce results quickly, this also makes checking the answer simple and error-free.

We must determine why the exam was not administered online since, in the internet age, every work has been completed online. We created this tiny online exam system project to transition the current exam system to a digital exam system. If this technology has a professional level built in, it will automate and digitize our current exam system. This system will require less labor force to operate, will be more accurate, will take less time, will allow us to administer exams to more people simultaneously, and will report results quickly.

Exams won't be restricted to the four walls of the classroom if this system is put into place; instead, students will be able to participate from anywhere.

**2. PROBLEM DEFINITION**

**2.1 Introduction**

This project's development process started with gathering user requirements, thoroughly examining the current system, and analyzing the ongoing issue that system users were experiencing. A new system has been suggested after the previous system and its flaws were examined. This system satisfies user needs and fixes the issue caused by the old system.

The foundation of the software being produced is the problem description and analysis phase. In order to create the project, the system analysis process involves acquiring the data and information needed.

**2.2 Problem Definition**

The manual system of Online Examination is really tedious and time consuming. As it requires huge number of papers and manpower, obviously, it is uneconomical as well. For a simple you have first registration yourself and confirm your place in exam hall, one has to waste whole day to visit the Examination center. In order to overcome these drawbacks of manual system, proposed system is designed to work online which can be browsed from anywhere. As the use of computer and internet is rapidly growing all over the world, the computerized system are more preferred and expected to be more efficient. This proposed project is a similar highly efficient computerized web-based software.

**1. Existing system**

Exams taken offline have played a significant role in the creation of more efficient current evaluation methodologies. Traditional exams obviously provide a number of benefits.

The primary problem with offline exams is the high cost involved. Exams taken offline demand a significant amount of management and administration. A lot of money is invested in the exam format to make offline exams efficient. In addition, the setup takes a lot of time and effort.

**Drawbacks of the existing system**

There are several disadvantages and following or the drawbacks that are caused by the existing system

* High financial cost
* Time-wasting
* Time-consuming evaluation process
* Risk of unfair means
* Slow results

**2. Proposed System**

Today, taking tests online is commonplace in schools. The pandemic forced everyone on earth to change how they learned and lived. Numerous organizations, including educational institutions, were forced to close as a result of the implementation of nationwide lockdowns. Lessons were transferred from the actual classrooms to the digital display. Due to the epidemic, a new system of online exams was also implemented for mass examinations. The reliability of this kind of exam is a topic of much discussion.

**Advantages in the proposed system are**

* A password-protected login system is required.
* Ability to save the candidate's response to the question and the answer.
* A technique for verifying answers ought to be available.
* may update a profile
* When finished, log out.

**3. SOFTWARE ANALYSIS**

**3.1 Hardware Requirements**

* Speed : 2 GHz core CPU.
* RAM :  4 GB RAM or above.
* Hard Disk     : 500 GB HDD.
* Processor  : Intel i3 and above processor.

**3.2 Software Specification**

* Microsoft account : Visual Studio code
* Operating System : Windows
* Front End **:** Django,HTML5,CSS3
* Back End  :DBSQL Lite

**4. MODULES DESIGN**

This project “ONLINE EXAMINATION SYSTEM” deals with Data Storage for application. This contains the following modules.

* Admin
* Teacher
* Student

The entire project is divided into 3 modules.

* 1. Student
* Login: The student will need to enter the ID and password in the website to use the system with their profile.
* Register: The student need to register into the system. During the registration, the users need to provide the information to the system.
* Exam: The student will get the information about all the examination and apply. Once done get the result automatically.
* Result: The student can see what are exam applied and view result of this exam.
  1. Teacher
* Register: The teacher need to register into the system. During the registration, the admin approve or reject .Only approved teacher can access this system.
* Login: The teacher will need to enter the ID and password in the website to use the system with their profile.
* Manage Course: Add new course and manage overall old course with update syllabus.
* Manage Examination: Approve student examination request and manage all examination and question papers and result.

4.3 Admin

* Login: The admin will need to enter the ID and password in the website to use the system with their profile.
* Teacher Section: In this part admin manage the staff details with crud operations.
* Student Section: Show all the student with attended examination and result also.
* Manage Course: Add new course and manage overall old course with update syllabus.
* Manage Examination: Approve student examination request and manage all examination and question papers and result.

**Overall Diagram**

