MINI PROJECT - I
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Online Examination System
SYNOPSIS

Institute of Engineering & Technology

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Name/Title of the project

Online Examination System

Introduction

This Website defines the requirement for the Online Examinations at any level. The system is mainly used to test the skills of candidate .The examination consists of registration of candidate , selection of topic, certificate preparation , report generation, searching of particular record etc. This system is developed in visual basic and can run in any windows platform. It provides the flexibility and user interface. The file organization system of visual basic is done using relational database management system and we can retrieve data from more than one table at a time. So briefly this is facilitated with good user interface and relational retrieval of data.

The objective of the project

This website contains many modules to conduct the exams in the proper manner that helps us to conduct exams. With the help of this site exams can be conducted anytime, anywhere with ease. One of our objectives is create User Friendly system and reach to responsive design. Make out report generated process fast so that user will not get wait.

Hardware and Software to be used

a. *Hardware:*

- Processor: Minimum 1 GHz; Recommended 2GHz or more.

- Ethernet connection (LAN) OR a wireless adapter (Wi-Fi)

- Hard Drive: Minimum 32 GB; Recommended 64 GB or more.

- Memory (RAM): Minimum 1 GB; Recommended 4 GB or above

- Sound card /speakers.

- Some classes require a camera and microphone.

b. *Software*:
- Visual Studio Code
- Apache Netbeans
- PHP Storm

Technology used

* HTML
* CSS
* BOOTSTRAP
* JAVASCRIPT
* PHP
* Java
* SQL

Testing technologies to be used

- Tablet
- Laptop
- Smartphone

Applications

Some of the application of this project:

1. An online exam provides flexibility and security to the examination process. Once all the questions are uploaded in the system, the system can shuffle and give questions in different orders to different students. This minimizes the chance of cheating.
2. In an online examination system, the exam can be conducted wherever the candidate is. The exam surveillance can be conducted with the help of a web camera and microphone. Such a method of conducting an exam is called Remote Proctoring.

Future scope

1. This system will reduce the manual operation done by people.
2. People can directly enter the examination hall by one click.
3. People will be able to redirect to the link of the website where the exam is available.
4. Quick and accurate results.
5. No need of pen, paper and any examiner.

Scope for extension into a major project

Things that can be added to extend this project into a major one:

1. This web interface can also be converted into an android application for easy access to the people.
2. We can add some functionality related to security of data.

3. Also, we can increase the efficiency of our system.

4. We can also focus to increase the restriction for Remote Proctoring to encourage the talented student.

5. In this COVID-19 pandemic, the chances of extension of this project are very high.

References

- www.googlescholar.com

- www.wikipedia.com