M.S.P. Mandal's

Deogiri College, Aurangabad

Affiliated to

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

A Project Synopsis

On

"ONLINE EXAMINATION SYSTEM"

Submitted for partial fulfillment of the degree of

Bachelor of Computer Application (Science)

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Project Guide	**In-charge**	**HOD**

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Project Allotment Letter

This is to declare that the Project entitled **"ONLINE EXAMINATION SYSTEM"** has been allotted to Om Satish Lande, Shubham Ashok Mandavkar, Sandip Gajanan Mandavkar, Abhishek Badrinarayan Sajgane in partial fulfillment of the degree of Bachelor of Computer Application (Science) of Dr. B.A. M. University during the academic year2022-2023.

Project Guide   **In-charge**   **Head**

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Introduction

Project Description: -

Online examination system is a project that will help students as well as teachers to conduct the examination online. It is a cost-effective, scalable way to convert traditional pen and paper-based exams to online and paper less mode.

Candidates can appear for exam using any desktop, laptop or mobile device with a browser. Exam results can be generated instantly for the objective type of questions.

Online Examination System is a technology-driven way to simplify examination activities like defining exam patterns with question banks, defining exam timer, objective/ subjective question sections, conducting exams using the computer or mobile devices in a paperless manner. Online Examination System is a cost-effective, scalable way to convert traditional pen and paper-based exams to online and paperless mode. Candidates can appear for the exam using any desktop, laptop, or mobile device with a browser. Exam results can be generated instantly for the objective type of questions. It can simplify overall examination management and result in generation activity.

Now-a-days "Online Examination System" is becoming popular as well as essential for every kind of exams. It saves a lot of time, money and other expenses for any examine. In past days, there was a paper- pencil based test known as offline exam. It is generally offered in a single day for all candidates. This is a typical task for examination authorities and candidates to arrange everything.Presently, if the teachers conduct any examination, they have to check the answer sheets manually which is time consuming and the generation of results manually might result in errors. Online examination helps students of schools/ College/ Institutes is to offer a quick and easy way to appear for the exam. It also provides the results immediately after the exam. The students has to enter valid user id and password to attend the exam. This examination project provides time limit to finish the exam. The user can see their results after completing the exam. The online examination system project shows the student ranking and the student who gets out of marks will appear in the first ranking.

Objective

The purpose of the online examination system is to test the subject knowledge of the students. Such a system eliminates logistical hassles and drawbacks in the traditional mode of the pen-and-paper examination. Students don't have to assemble in the classroom to give the exam.

Exam objectives can be thought of as a competency standard. Each objectives document outlines knowledge and skills that the industry has deemed important for candidates to be successful on the job. The objectives also comprise the topics that will be covered in the exam you are studying for. Modification & Improvement over Existing System.

The purpose of this project is to develop Online Examination Systematizes a web based Online Examination System which will help in conducting the Online Examination. The Online Examination System project provides a web application which will considerably reduce the time required to give the exam and know the results. This project will provide an efficient platform both for the students and the teachers, by enabling examinations to be taken online.

An Online Examination System is a special type of web based application where examinations of the students can be taken in a correct and efficient manner. Online Examination System consists of some pages of questions and the student has to write answers or they have to select the correct answers of those questions by selecting appropriate choice.

The main purpose of designing the Online Examination System is to reduce the time of taking examinations of the students manually. There are some advantages factors of this system which are given below:

1.   The Online Examination System reduces time of taking manual examination of students.

2.   This system will work efficiently and correctly as far as computer technology is concerned.

3.   This system will provide better security and transparency in the examination.

Modification And Improvement After Existing System

Present State:-

Online examination system will help students to test their knowledge about different subjects. Till now there was only traditional pen and paper-based exam. They had to go to the examination center to give exams physically. But using this online method teachers can arrange examination online and students can attend it in their house. It is a futuristic move towards education system. Online examination system is very useful in the pandemic situation.

After Implementation:-

This Online Examination System project will enable the user to give the exam online . The user shall login to the system and check for availability of internet. The user will be of two types one is the organizer of the exam and one should be student. The Online Examination System shall check for the availability of the audio as well as camera and shall enable it. The tool is designed using PHP. All the data regarding the online exam are stored in MySQL database. The user has to enter his login id and password to login to the exam page. The UI is very simple and the connectivityto back end is robust. The main advantage is that the user don't have to go to college for give exam they have give exams by online method at their home.

Scope of Project

Technological advancements in this era of digitization along with being a boon to the world have been advantageous to the educational sector too. The introduction of **online exam software** replaced the conventional system of assessment.

The various examination conducting agencies are now able to evaluate the test takers freely and **cost-effectively** through **computer-based tests**. Today's article discusses the current scope and objectives of an online examination system also with future.

The scope of the Online Examination System project is to provide a platform for students to take online examinations and get their results immediately. The system should be able to generate different types of tests and exams, as well as provide feedback and analysis of the results. It should also provide a secure platform for students to take the examinations online. The system should be able to handle a large number of students and generate reports for analysis. Additionally, the system should be able to support a wide range of devices, such as computers, tablets, and smartphones. The system should be able to integrate with existing educational systems and should be able to be easily configured and customized.

Scope of this project is very broad in terms of other manually taking exams.
Few of them are: -

  ➢ This can be used in educational institutions as well as in corporate world.
  ➢ Can be used anywhere any times as it is a web based application (user location doesn't matter).
  ➢ No restriction that examiner has to be present when the candidate takes the test.

Software Requirement Specification

Hardware Requirement

Processor	Pentium Dual Core or above
RAM	4GB
Hard Disk	100 GB hard disk or above
Monitor	15-inch Color Monitor
Keyboard	102/104 Keys
Mouse	Optical Mouse

Software Requirement

Operating System	Windows 7/8/10 or Linux distribution
Browser	Chrome or Firefox or any browser
Front-end	HTML/CSS/PHP
Backend	PHP

FRONT END

HTML

Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications. HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects, such as interactive forms, may be embedded into the rendered page. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by tags, written using angle brackets. The BIKE Rental system uses HTML as the building blocks for creating UI element

CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language. CSS is used to format the pages to make it appealing to the user. CSS is designed primarily to enable these paration of presentation and content, including aspects such as the layout, coolers and fonts. The BIKE Rental system application uses Bootstrap 4.1 a boilerplate designed with CSS to reduce development times on the GUI design.

JavaScript

JavaScript (JS) is a lightweight, interpreted, or just-in-time compiled programming language with first-class functions. While it is most well-known as the scripting language for Web pages, many non-browser environments also use it, such as Node.js, Apache CouchDB and Adobe Acrobat. JavaScript is a prototype-based, multi-paradigm, single threaded, dynamic language, supporting object-oriented, imperative, and declarative (e.g. functional programming) styles.

BACK END

PHP

PHP (PHP Hypertext Processor) is a server-side scripting language used to dynamically create webpages. PHP code may be embedded into HTML code, or it can be used in combination with various web template systems, web content management systems, and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in the web server or as a Common Gateway Interface (CGI) executable. The web server combines the results of the interpreted and executed PHP code, which may be any type of data, including images, with the generated web page. PHP code may also be executed with a command-line interface (CLI) and can be used to implement standalone graphicalapplications. The BIKE Rental system uses PHP for interacting with the database using MySQL and to display dynamic content on the webpage based on the users' queries

MY SQL

MySQL is based on the Structured Query Language (SQL), a standard language for interacting with databases. With MySQL, you can create and modify databases, tables, and other database objects, as well as insert, query, and update data. You can also use MySQL to manage users and privileges, ensuring that only authorized users have access to your data. One of the strengths of MySQL is its flexibility. It can be used on various platforms, including Linux, Windows, and macOS, and it can be integrated with a range of programming languages, including PHP, Java, and Python. This makes MySQL a versatile choice for many different types of projects and applications.

FORMS:-

1. USER LOGIN
2. USER REGISTRATION
3. FEEDBACK
4. ADMIN

PAGES: -

1. DASHBOARD
2. HOME
3. USER
4. HISTORY
5. RANKING

TABLES: -

1. ADMIN
2. QUESTION
3. ANSWER
4. OPTION
5. FEEDBACK
6. USER
7. RANK