ONLINE QUIZ SYSTEM

PROJECT REPORT

Submitted in partial fulfillment for the J-Component of CSE3002-

Internet and Web Programming

In

B.Tech (Computer Science and Engineering)

By

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DECLARATION

I hereby declare that the thesis entitled "ONLINE QUIZ SYSTEM" submitted by us, for the course project of CSE3002– INTERNET AND WEB PROGRAMMING in *Bachelor of Technology* to VIT is a record of bonafide work carried out by me under the supervision of DR.LOKESH KUMAR R.

 I further declare that the work reported in this report has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma or course project in this institute or any other institute or university.

Signature of the

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ABSTRACT

Due to various reasons like COVID , more work in order to type questions then get it printed later, evaluated manually one by one , mis counting etc.. has paved a better solution called online Quizzes .

Today many online quizzes are set up to actually test knowledge or identify a person's attributes. Some companies use online quizzes as an efficient way of testing a potential hire's knowledge without that candidate needing to travel. Online quizzes are a popular form of entertainment for web surfers. Even almost all the government or competitive exams are taken through online these days and this online quiz can give almost the same feeling of giving a real exam . Online quizzes are generally free to play and for entertainment purposes only though some online quiz websites offer prizes. Websites feature online quizzes on many subjects.

1.INTRODUCTION

Online Examination System refers to a service that conducts online examination or test. It will be used for students' progress evaluation using modern computer technology. It replaced the paperwork and overcame the outcomes of the traditional way of examinations using paper or pen.It is a web based platform that can be used by Admin at any remote location. The Online Examination System is a fully developed automated system to efficiently evaluate candidate progress that not only saves the time of the Examination Controller and also gives fast results. The Administrator of the system has authority to propose tests or papers. It is cost effective and time effective.The candidate can login through the proposed computer with their Enrollment number matching the details to the student's database, then they can take the exam. Candidates can give their course's examination in a specific duration and in a specific number of questions.

1.1 SYSTEM OVERVIEW

To develop a website that would fulfill the requirement of instructor and student along with an administrator who could manage and provide few services like authentication and authorisation jobs like accepting teachers etc.. and for conducting and attempting the quiz more efficiently.

1.2 OBJECTIVE

The website we have made is a complete one fulfilling our objective such as :

- ❖ Any student can register without permission , and teachers can register with the permission of the admin .
- ❖ Only registered members view the quiz.
- ❖ There are three roles available: Student,teacher and admin.
- ❖ A teacher can add subjects and set any number of questions along with different marks assigned for each question .
- ❖ A student can attend a quiz of any subjects he selected .
- ❖ Students can send feedback for the quiz.
- ❖ Teachers and students can upload profile pictures.
- ❖ Teachers can view the marks of students and delete an exam .
- ❖ Admin can do all the works done by teacher along with it he is the one who sets salary   for teacher and accepts his request
- ❖ The About us page is available to display our project details .

1.3 APPLICATIONS

Our project can be widely used in various ways as the world be being digitised .So of the applications where we could use our project are :

- ☐ The main goal of this application is to create a web application platform which conducts Online quizzes for students in Schools and Colleges.
- ☐ Taking these online quizzes makes it possible to have a large number of participants. It doesn't matter at what kind of location they take the online quizzes as long as they are connected to the Internet.
- ☐ Computer based tests as a method of conducting an assessment enable users to manage an exam easily. The functionalities of an exam software such as user-friendly,dashboard,multiple languages,support for multiple question types and formats.
- ☐ Mainly our application can be used for various tests which are conducted in Schools,Colleges,etc…, where regularly these kinds of tests are conducted in pen and paper mode.
- ☐ Through our application, we can conduct low level entrance tests in a secure way i.e, in Schools(Classes),Colleges.

1.4 LIMITATIONS

These are not actually the limitations of our project these are the betterments that we wanted to do for the project :-

- ● We can categorize students with the subjects which they have chosen instead of putting them all together.
- ● Setting up time in such a way that the quiz time for students should start at the time of his joining and time should be reported to his/her particular faculty.
- ● Need to Create a huge number of questions at a time and they need to be shuffled randomly among students.So that Cheating is reduced during exams.
- ● Whenever the Faculty creates exams and adds students, Students should get notified/ reminder about the test.
- ● Teachers can set a date and time for the exam so that the exam will start automatically.
- ● Teachers can display each and every question individually and set time for them. If it is not attempted in that time provided then the next question will automatically be uploaded.
- ● Teachers should access the webcam of students during the exam so malpractice can be prevented.
- ● Admin/Teacher can add any number of questions to any course.

2.SYSTEM ANALYSIS

2.1EXISTING METHODS :-

Till now the methods made for online quiz system either contain just a student login without any teacher or administrator who could add or modify question (or) the other one is with a huge database running in background and having a greater interfaces and having a large workload .And these will be taking a large time to implement and will require a better computer for execution .

2.2 PROPOSED SYSTEM :-

Our method is a bit different from the, our method will contain a easy platform which is in the middle of the complexities mentioned above and will be easy to be access and understood by and user either he is a student or a teacher .As the complexity is normal any general configured laptop would be sufficient to run and implement it

2.2 BENEFITS OF PROPOSED SYSTEM :-

The benefits of our project are :-

1.easy to understand

2. easy to implement

3. doesn't require a highly configured computer

3. REQUIREMENT SPECIFICATION

3.1 HARDWARE REQUIREMENTS :

1. I3 Laptop
2. RAM 4GB
3. VS CODE
4. WEB BROWSER(CHROME,MOZILLA)

3.2 SOFTWARE REQUIREMENTS:

1. Windows 7/10
2. Low specs computers do not require highly configured computers.
3. Availability of HTML • CSS • Javascript • Mysql • Php.

4.SYSTEM DESIGN ARCHITECTURE

4.1 SYSTEM ARCHITECTURE :-
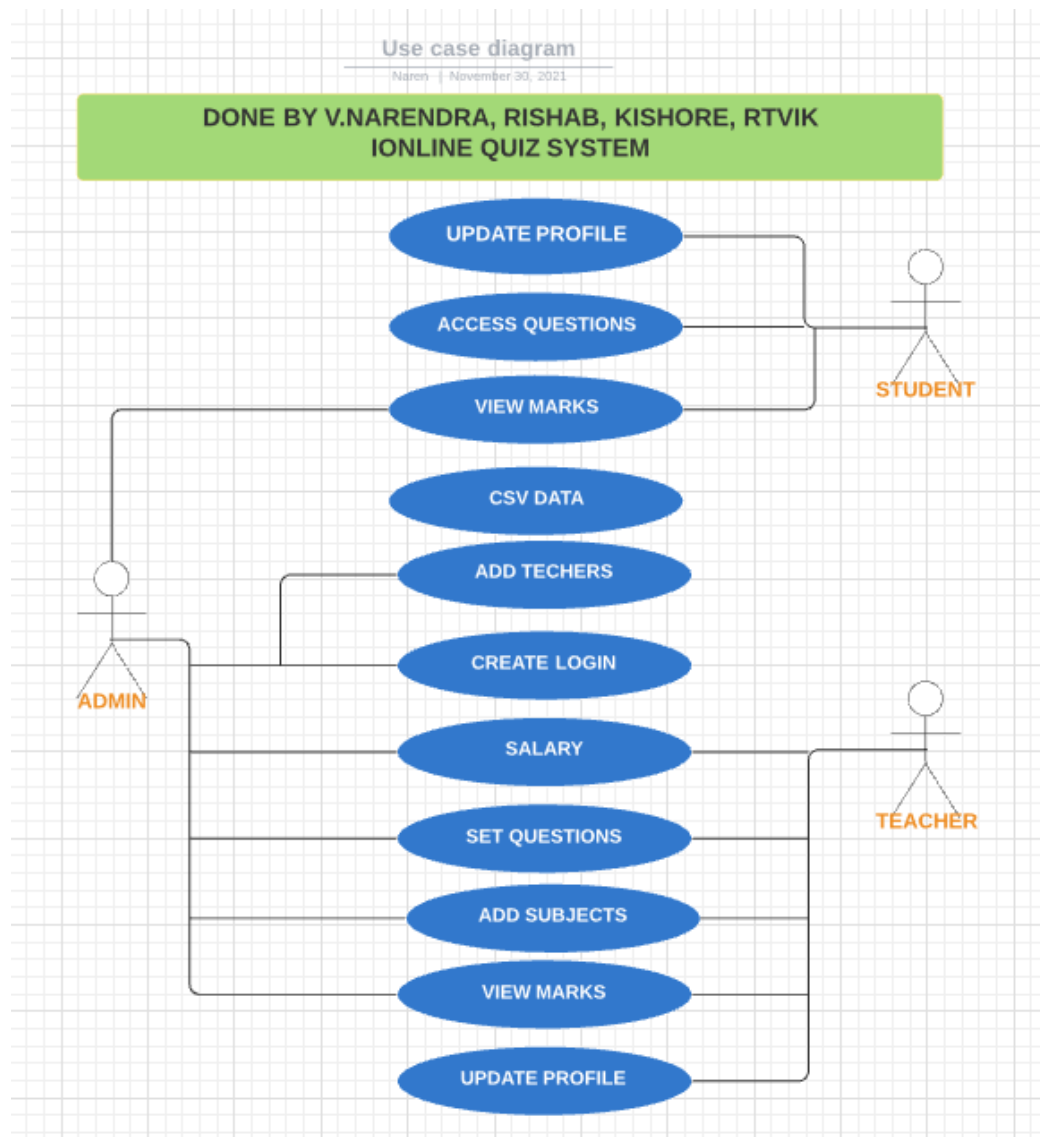
4.2 DETAIL DESIGN :-
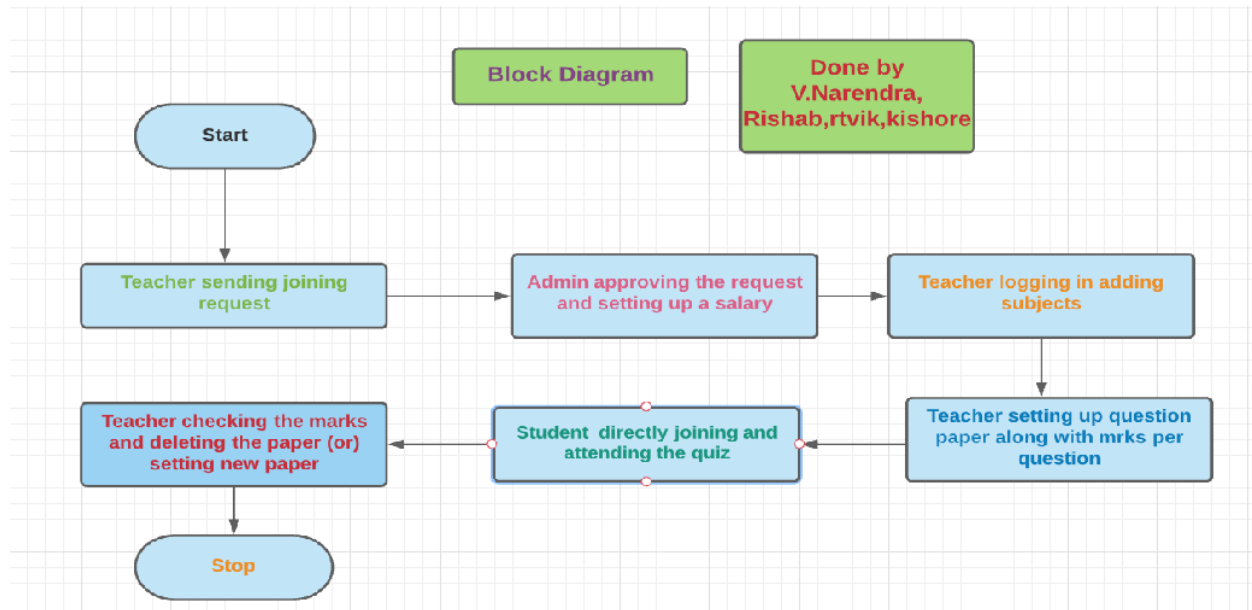
4.3 DATABASE DESIGN :-

We have done this project using django so we didn't have any database tables .But we have maintained a database separately for admin login , subjects created , teachers under us along with their salary requirements .

5. SYSTEM IMPLEMENTATION

5.1 MODULE DESCRIPTION:

1. Templates for Quiz, Teacher, Admin, Students.
2. Quiz: Contains View course, View Marks.
3. Admin: Contains Add Teacher, Add quiz, access to students and quiz.
4. Student: Access to quiz.
5. Teacher: Prepare quiz,Access to marks.

6.CONCLUSION AND FUTURE ENHANCEMENTS.

- This project is designed in such a way that future modification can be done easily. The following conclusion can be deduced from the development of the project.
- Our project provides a friendly graphical user interface.
- Adding permission based acceptance for students to get enrolled in a particular subject .
- Making the admin make priorities for teachers so that in his absence that particular teacher could handle the requirements .
- Adding a video solution to the question instead of theoretical explanation .
- Student can raise a doubt if he feels that answer is incorrect .
- Examination through a computer network allows the management to manage tasks involved in organizing the exam.
- Every year the Universities spend a lot on verifying the aspirants application for the written examination. Also arranging staff for physical exams and making exam centers for examinations is a tough job.
- Printing and circulating logistics to transport completed scripts to makers is a time-consuming and costly process.On the other hand,organizing and running exams online reduces the organization's administrative burden and also saves time and cost.

7. APPENDICES

7.1 APPENDIX 1 - SAMPLE SOURCE CODE :

ADMIN ADD COURSE:

```html
<head>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js">
</script>

  <style>

      <meta name="viewport" content="width=device-width,
initial-scale=1">

  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js">
</script>

  a:link {

      text-decoration: none;

    }
```

```html
  </style>

</head>

<h2 style="text-align:center; color:blue;">ADD COURSE</h2>

<form method="POST" autocomplete="off" style="margin:100px;margin-top:
0px;">

    {%csrf_token%}

    <div class="form-group">

      <label for="course_name">Course Name</label>

      {% render_field courseForm.course_name class="form-control"
placeholder="Java" %}


      <label for="question_number">Total Question</label>

      {% render_field courseForm.question_number class="form-control"
placeholder="10" %}


      <label for="total_marks">Total Marks</label>

      {% render_field courseForm.total_marks class="form-control"
placeholder="50" %}

    </div>




    <button type="submit" class="btn btn-primary">ADD</button>

  </form>

<br><br><br>
```

```
{% endblock content %}
```

CONTACT US:

```
<!DOCTYPE html>

{% load static %}

<html lang="en" dir="ltr">



<head>

  <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">










</head>



<body>



  {% include "quiz/navbar.html" %}

  <br><br>



  <center>

    <h3 class='alert alert-success'>Send Us Your Valuable Feedback !</h3>
```

```html
<form method="POST" autocomplete="off">

    <!-- Very Important csrf Token -->

    {% csrf_token %}

    <div class="form-group">

      <p>

      <h3>{{ form.as_p }}</h3>

      </p>

      <br>

      <input type="submit" value="Send Message" class='btn btn-primary
btn-lg'>

    </div>

  </form>

</center>


  {% include "quiz/footer.html" %}
</body>


</html>
```

7.2 APPENDIX 2 - SCREENSHOTS /OUTPUT's

Online Quiz   Home   Teacher   Student   Admin   About Us   Contact Us

Let's Quiz

Test your skills and become a master.

We organize quizzes on various topics.

Sign up if you haven't already and get access to millions of quizzes on the topic of your interest.

Start Your Journey Here:

Sign Up

Made in VIT

ADMIN LOGIN

Please enter your login and password!

rtvik

•••••

Login

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IWP Project © Online Quiz

ONLINE QUIZ ☰

Logout

Total Students 0	Total Teacher 0	Total Courses 0	Total Questions 0

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IWP Project © Online Quiz

Admin

🎛 Dashboard

🖳 Teacher

🖳 Student

📖 Courses

❓ Questions

Online Quiz   Home   Teacher   Student   Admin

You've successfully logged out

Please come back soon!

Hello, Teacher

Welcome to Online Quiz

You can access various features after Login.

Create Your Account **Login**

Made in VIT
IWP Project © Online Quiz
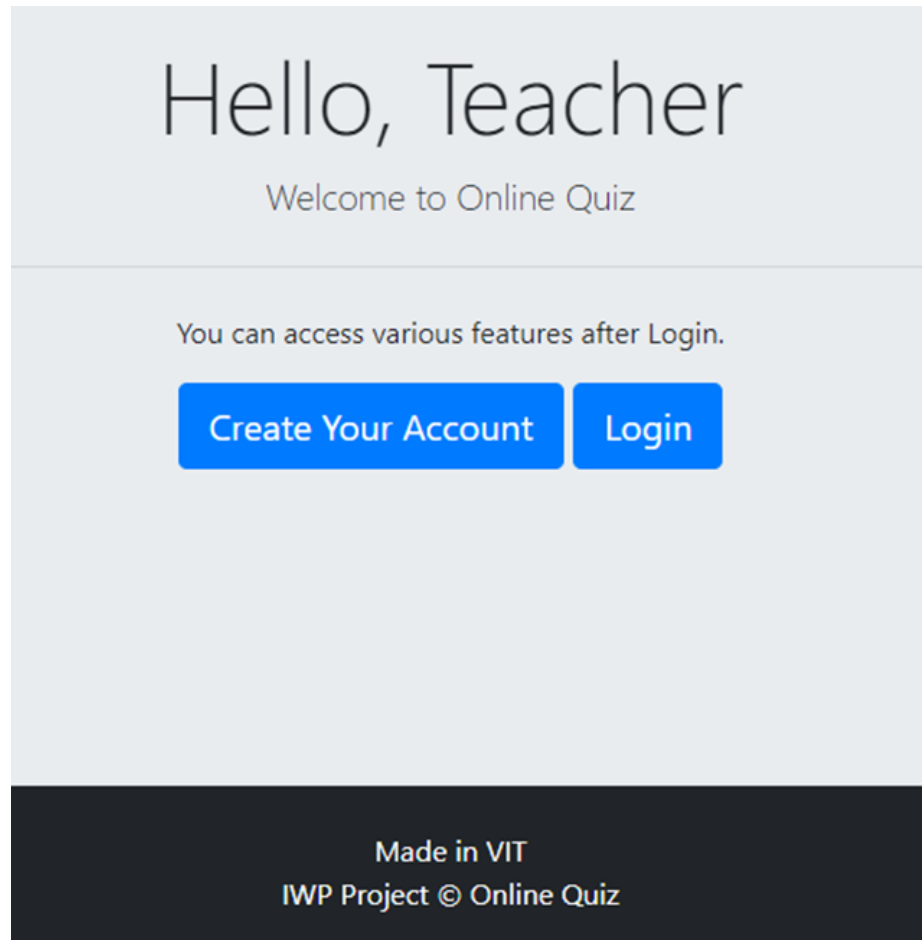
TEACHER SIGNUP

Username

narendra

Password

•••••

First Name

Narendra

Last Name

Narendra

Mobile

1234567890

Address

vit vellore

Profile Picture

Choose File GPCSSI certificate (1).jpg

Sign Up

Hello Narendra

Your Account is not approved till now

Our Team is checking your profile

Soon Your Account Will Be Approved

Check Later

Logout For Now

ONLINE QUIZ ☰

Logout

Narendra
(Teacher)

- Dashboard
- Exam
- Questions

Total Student	Total Exams	Total Questions
0	0	0

Made in VIT
IWP Project © Online Quiz

Pending Teachers					
Name	Profile Picture	Mobile	Address	Approve	Reject
Narendra Narendra		1234567890	vit vellore	✔	✖

ADD COURSE

Exam Name

Java

Total Question

10

Total Marks

50

ADD

ADD QUESTION

Course

Course Name

Question

What is the currency of India ?

Marks

10

Option 1

Rupees

Option 2

Dollar

Option 3

Taka

Option 4

Euro

Answer

ADD

ONLINE QUIZ ≡

rishabh
(Student)

⏲ Dashboard

📄 Exam

⇅ Marks

Total Exams Available
📄   0

Total Questions
❓   0

ONLINE QUIZ ≡

rishabh
(Student)

⏲ Dashboard

📄 Exam

⇅ Marks

View Marks

Exam Name   View Marks

8. REFERENCES

8.1 LIST OF JOURNALS :

- ★ Online Examination And Malpractice Detection (2020) ,S.Jaswanth Kumar ,Gunti Spandan
- ★ Web-Based Exam Management System(EMS) (2014) , Magdi Z. Rashad
- ★ Computer Based Test (Cbt) System For University Academic Enterprise Examination (2016) ,Fagbola Temitayo M
- ★ The SIETTE Automatic Assessment Environment (2015) Ricardo Conejo ,Eduardo Guzmán

8.2 LIST OF WEBSITE :

In this project making we have taken few templates from the following website :

1. Geeksforgeeks
2. W3schools
3. Tutorialspoint

8.3 LIST OF BOOKS :

No books are being followed in order to make this project except a few codes uploaded by our teacher **Lokesh Kumar R .**