

# Online Skill Test Platform

**Diksha Aswani and Kalpana Sharma**

**Roll No: 21ESKIT043 and 21ESKIT057**

Department of Information Technology

Swami keshvanand Institute of Technology, Management  
and Gramothan, Jaipur

April 17, 2025

- 1 Introduction
- 2 Problem Statement
- 3 Literature Review
- 4 Proposed Solution
- 5 Tools and Technologies used
- 6 Features and Functionality
- 7 Home page
- 8 Results and Analysis
- 9 Future Scope
- 10 Conclusion

# Introduction

- ▶ **Brief Overview:** The project "Online Skill Test" is a digital platform that offers skill assessments across various industries and proficiency levels. It helps users improve, and certify their skills through targeted online tests.
- ▶ **Objectives and Goals:** The project aims to provide sector-specific skill tests for all proficiency levels, helping individuals assess and improve their abilities. It also supports employers in identifying qualified talent while promoting continuous learning and upskilling for career growth.
- ▶ **Importance and Relevance:** As skill-based hiring grows, this platform offers a reliable way to validate abilities beyond academic degrees. It supports personal growth, enhances employability.

# Problem Statement

- ◀ There is no accessible, standardized way to test and showcase skills across sectors and levels, making it hard for individuals to prove their abilities and for employers to find the right talent.
- ◀ **Why is it important to solve this problem?**  
Solving this ensures fair recognition, better hiring, and supports continuous skill development for a stronger, more capable workforce.

# Literature Review

Several platforms like LinkedIn Skill Assessments, HackerRank, and Coursera offer online skill tests, primarily focused on IT and technical skills. Research shows that online assessments help validate practical knowledge.

Despite the progress, there is a clear gap in providing multi-sector, level-based, and easily accessible skill assessments for a broader audience. Our project aims to fill this gap by offering a comprehensive platform that caters to all sectors and skill levels—ensuring scalability, and real-world relevance.

# Proposed Solution

- ◀ **Proposed Solution:** Our proposed solution is an online platform that offers sector-wise skill tests tailored to different proficiency levels. The platform allows users to take assessments, receive instant feedback, and earn certifications.
- ◀ **How It Differs from Existing Solutions:** Unlike most current platforms that focus on specific fields (mainly IT) or only cater to advanced users. It is designed to serve students, professionals, and job seekers across all industries.

# Tools and Technologies used

- ◀ **Frontend:** HTML,CSS
- ◀ **Backend:** Python Django
- ◀ **Database:** SQLite

# Features and Functionality

- ◀ **User Registration Login:** Secure sign-up and login with email or social media accounts.
- ◀ **Sector-Specific Tests:** Choose from various sectors and skill levels.
- ◀ **Adaptive Testing:** Difficulty adjusts based on real-time performance.
- ◀ **Instant Feedback Results:** Immediate score, detailed feedback, and improvement suggestions after each test.
- ◀ **Employer Access:** Employers can view candidate profiles, scores, and certifications to find suitable talent.



# Home Page

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

# Teacher login

Online Quiz

[Home](#) [Teacher](#) [Student](#) [Admin](#)

[About Us](#) [Contact Us](#)

## Hello, Teacher

Welcome to Online Quiz

You can access various features after Login.

Create Your Account

Login

# Sign up page

Online Quiz

[Home](#) [Teacher](#) [Student](#) [Admin](#)

[About Us](#) [Contact Us](#)

## TEACHER SIGNUP

Username

username

Password

password

First Name

First Name

Last Name

Last Name

Please fill out this field.

Mobile

Mobile

Address

Address

Profile Picture

Choose File

No file chosen

Sign Up

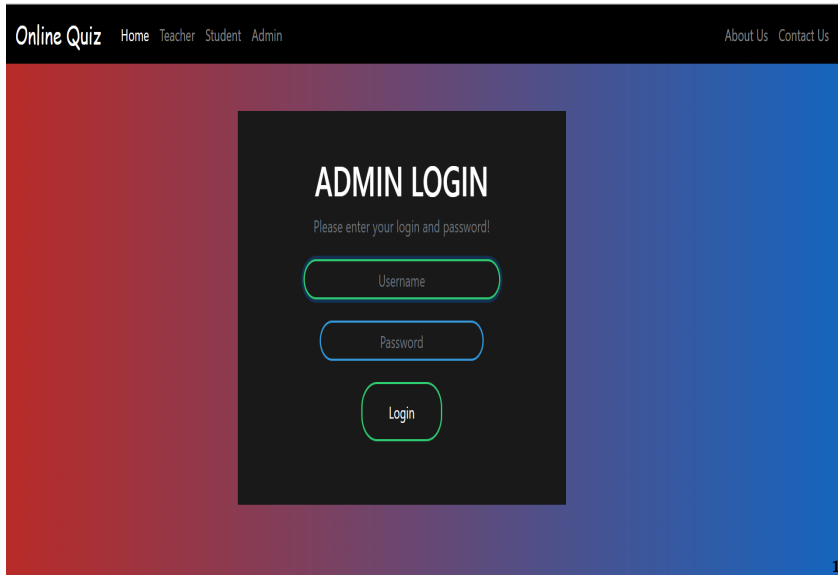
# Student login

[Online Quiz](#)[Home](#)[Teacher](#)[Student](#)[Admin](#)[About Us](#)[Contact Us](#)

## STUDENT LOGIN

Please enter your login and password!

# Admin login



The image shows a screenshot of a web application's admin login page. The page has a dark header with navigation links: 'Online Quiz', 'Home', 'Teacher', 'Student', 'Admin', 'About Us', and 'Contact Us'. The main content area has a red-to-blue gradient background. In the center, there is a dark gray box containing the 'ADMIN LOGIN' form. The form includes a title, a prompt to enter login and password, and three input fields: 'Username', 'Password', and a 'Login' button.

Online Quiz   Home   Teacher   Student   Admin   About Us   Contact Us

## ADMIN LOGIN

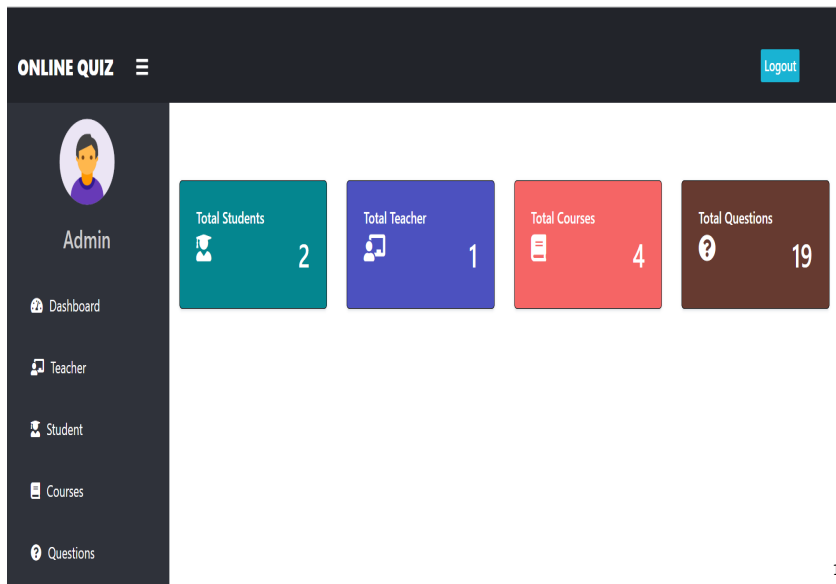
Please enter your login and password!

Username


Password

Login


# Admin Dashboard






# Exam Names





**ONLINE QUIZ** 

[Logout](#)





diksha  
( Student )

-  Dashboard
-  Exam
-  Marks


Courses	
Exam Name	Take Exam
Python	
Sql	
Dsa	
DBMS	


# Exam Instructions


ONLINE QUIZ 



diksha  
(Student)

 [Dashboard](#)

 Exam

 Marks

Before you start the Exam, here are the rules

Exam Details :

1. Exam Name : Sql
2. Total Question : 5
3. Total Marks : 5

Rules :

1. All questions are multiple choice question.
2. Only one choice is correct.
3. Every question carry different marks
4. Try to answer as quickly as you can.
5. If you press refresh or go back to the previous page, there will be a new question for you



# Questions

## ONLINE QUIZ ≡

Logout



diksha

( Student )

 Dashboard

 Exam

 Marks

## Sql

1. Which SQL command is used to retrieve data from a database?

[Marks 1]

☐ Insert

☐ Update

☐ Delete

☐ Select

2. What is the purpose of the HAVING clause in SQL?

[Marks 1]

☐ To filter rows based on conditions

# Django Admin Panel

## Django administration

WELCOME, DIKSHAASWANI. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

### Site administration

#### AUTHENTICATION AND AUTHORIZATION

Groups	<a href="#">+ Add</a> <a href="#">Change</a>
Users	<a href="#">+ Add</a> <a href="#">Change</a>

#### QUIZ

Courses	<a href="#">+ Add</a> <a href="#">Change</a>
Questions	<a href="#">+ Add</a> <a href="#">Change</a>
Results	<a href="#">+ Add</a> <a href="#">Change</a>

#### STUDENT

Students	<a href="#">+ Add</a> <a href="#">Change</a>
----------	--

#### TEACHER

Teachers	<a href="#">+ Add</a> <a href="#">Change</a>
----------	--

#### Recent actions

##### My actions

None available

# Score

## Django administration

WELCOME, DIKSHAASWANI. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

[Home](#) » [Quiz](#) » [Results](#) » Result object (4)

Change result

HISTORY

Student:

diksha ▾



Exam:

Python ▾



Marks:

2

Delete

Save and add another

Save and continue editing

SAVE

# Users

## Django administration

WELCOME, DIKSHAASWANI [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

[Home](#) > [Authentication and Authorization](#) > [Users](#)

Select user to change

ADD USER +




Search

Action:



Go

0 of 5 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	Rupa	prasadup256@gmail.com			✓
<input type="checkbox"/>	Shivi		Shivani	Raj	✗
<input type="checkbox"/>	diksha		diksha	aswani	✗
<input type="checkbox"/>	dikshaaswani				✓
<input type="checkbox"/>	mohit		mohit	sharma	✗

5 users

### FILTER

By staff status

All

Yes

No

By superuser status

All

Yes

No

By active

All

Yes

No

# Courses

## Django administration

WELCOME, DIKSHAASWANI [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

[Home](#) » [Quiz](#) » [Courses](#)

Select course to change

ADD COURSE +

Action:



Go

0 of 4 selected

☐ COURSE

☐ DBMS

☐ Dsa

☐ Sql

☐ Python

4 courses

# Results and Analysis

- ◀ **Project Results:** The platform successfully provides sector-specific tests, instant feedback.
- ◀ **Analysis:** User feedback was positive, with high satisfaction on design and usability. Performance and security met expectations, handling moderate load effectively and passing all security tests.  
The platform exceeded performance and user engagement expectations while meeting security goals.

# Future Scope

- ◀ **Gamification:** Add badges and leaderboards to boost engagement.
- ◀ **AI Skill Assessment:** Implement AI to better identify skill gaps.
- ◀ **Integration with LinkedIn:** Sync profiles with LinkedIn for job matching and skill tracking.
- ◀ **Expand to More Sectors:** Add sectors like arts, marketing, and law.

# Conclusion

The Online Skill Test Platform successfully provides a comprehensive solution for testing and certifying skills across multiple sectors and proficiency levels. Key accomplishments include the development of a user-friendly platform, adaptive testing algorithms, instant feedback, and certification features. The project has met its performance and security goals, received positive user feedback, and effectively addressed the gap in skill validation.



THANK YOU...