

# Welcome to PrashnaSetu!

PrashnaSetu helps you create, take, and manage quizzes easily.

Two ways to use:

- **Desktop App** (for instructors & students)
- **Web Quiz Builder** (for creating quizzes)



**PrashnaSetu**

Think. Compete. Conquer.

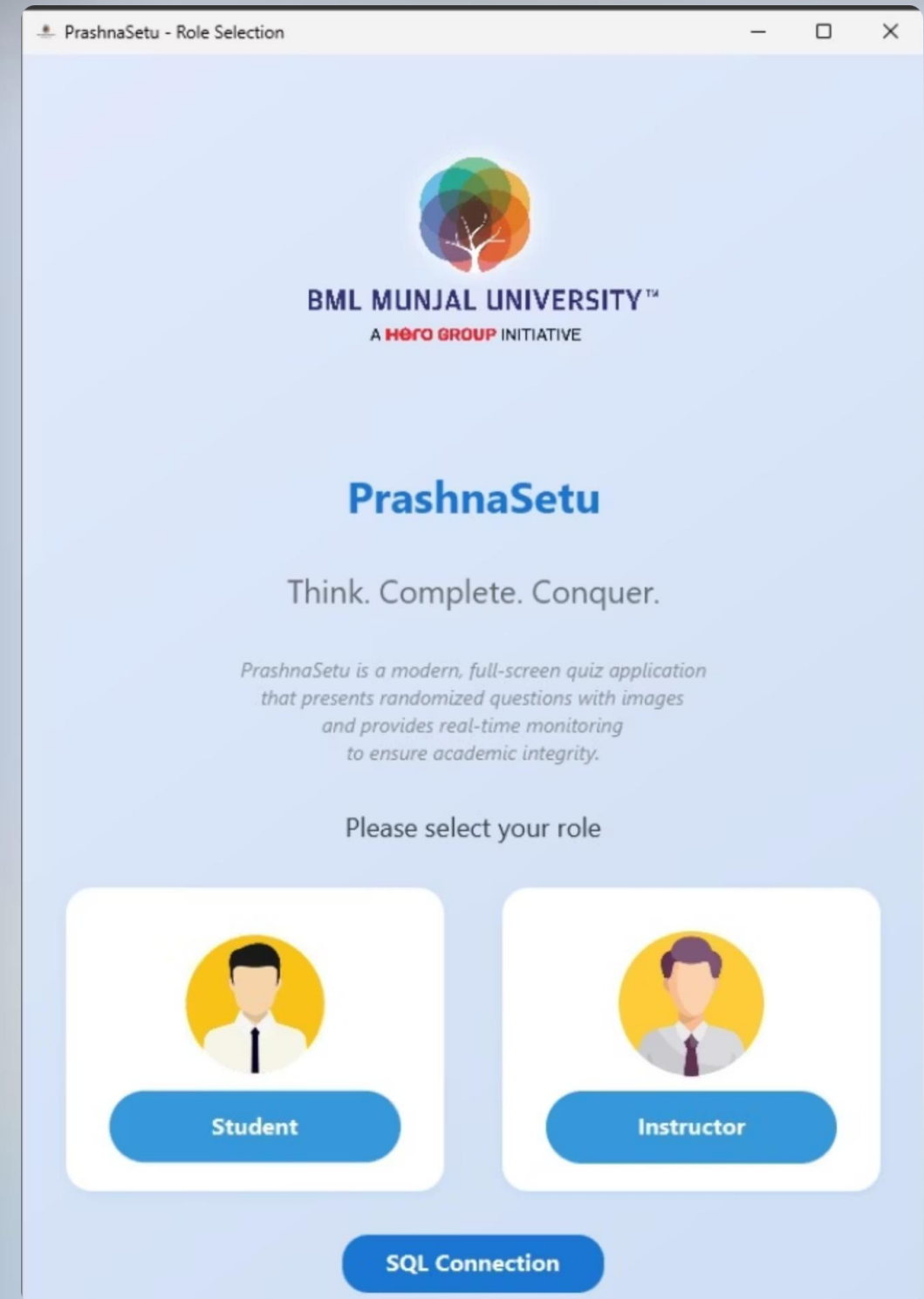
*PrashnaSetu is a modern, full-screen quiz application that presents randomized questions with images and provides real-time monitoring to ensure academic integrity.*

## Launching the Desktop App

Double-click the PrashnaSetu app to open.

The first screen: **Role Selection**

Choose **Instructor** or **Student**.



## If You Are an Instructor – Starting by SQL Connection

When an instructor click on **SQL Connection** on the role selection screen, you will be prompted to enter an **IP address**. **This IP address should be the address of the computer or server where your SQL database is running.**

If the database is on your own computer, enter:  
localhost or 127.0.0.1

If the database is on another computer in your local network, enter that computer’s IP address (for example: 192.168.1.10).

Port, Database Name, Username and Password is set by Default.

After all this Hit the Test button and Connect to the Database.

SQL Connection

SQL Connection

IP:

127.0.0.1

Port:

3306

Database Name:

smartquiz

Username:

Admin

Password:


••••••••

Reload Config

Test

Connect

PrashnaSetu - Instructor Login



# PrashnaSetu

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Login to your account

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contact: cadcs@bmu.edu.in

## After SQL Connection.

### Logging In

Enter your username and password.

Default for admin:

- Username: admin
- Password: admin123

Click **Login**.

# Instructor Dashboard – Overview

After login, you see the **Instructor Dashboard**.

**Main options explained:**

<div><b>Add New Quiz</b> Start creating a new quiz from scratch.</div>	<div><b>Import Quiz</b> Bring in a quiz you made with the Web Quiz Builder (ZIP file).</div>
<div><b>Student Performance</b> View how students performed on quizzes.</div>	<div><b>Monitor</b> Watch students take quizzes in real time (see who is active, their progress, and any rule violations).</div>
<div><b>Image Server</b> Start or stop the server that delivers images to students during quizzes.</div>	<div><b>Image Flush</b> Clear the image cache (useful if images aren't updating or loading).</div>
<div><b>Refresh</b> Update the quiz list and dashboard to show the latest changes.</div>	<div><b>Filter/Search</b> Find quizzes quickly by typing keywords or using filters (e.g., by course, subject, or visibility).</div>

# Creating a New Quiz (Instructor)

1. Click **Add New Quiz**.
2. Fill in quiz details:
  - **Quiz Code:** Unique ID for the quiz.
  - **Quiz Name:** Title of the quiz.
  - **Course/Subject:** What class or topic the quiz is for.
  - **Time Limit:** How long students have to finish.
  - **Number of Easy/Medium/High Questions:** How many questions are easy,medium and hard you want to create
  - **Number of Displayed Questions:** How many questions each student will see.

After Filling All This Details Click Next.

3. (Optional) **Add Instructions:** Give students special instructions or rules for the quiz.
4. **Add Questions:** Select Difficulty of the Question (Easy, Medium, High) and write each question, add a topic, summary points, and upload an image if needed.
5. **Add Options:** For each question, add answer choices and mark the correct one(s).
6. Click **Save Quiz** to finish.

Add New Quiz

Create New Quiz

Back

Instructor Name:

Admin User

Quiz Code:

Q02

Quiz Name:

Second

Course:

C02

Course Year:

2024

Academic Year:

2025

Subject:

Data Science

Subject Code:

S012

Time Limit (minutes):

10

Number of Easy Questions:

1

Number of Medium Questions:

1

Number of High Questions:

1

Number of Displayed Questions:

3

Cancel

Next

Add Quiz Instructions

Back

Add Quiz Instructions

Enter instruction

Add Instruction

Back

Next

Add Quiz Questions

Back

Added Questions

Add New Question

Difficulty: MEDIUM

Enter question text

Enter topic

Enter summary

Option

Correct

Remove

Option

Correct

Remove

Option

Correct

Remove

Option

Correct

Remove

Add Option

Choose Image

No image selected

Add Question

Back

Save Quiz

Q055	Demo	Admin User	Java	Coding	2025-07-13 00:54	Hidden	View	Edit	Toggle	Export
Q011	First	Dr Kiran Sharma	BTech CSE VII	Coding	2025-07-07 09:52	Hidden	View	Edit	Toggle	Export
Q04	Fourth	Dr Kiran Sharma	BTech CSE VIII, VII	Python Program...	2025-07-07 08:17	Visible	View	Edit	Toggle	Export
q03	Third	Admin User	ADS	D.S	2025-07-06 23:15	Visible	View	Edit	Toggle	Export
q02	Mid Sem	Admin User	DSA	Coding	2025-07-01 08:51	Visible	View	Edit	Toggle	Export
Q01	Mid Sem	Admin User	DSA	Coding	2025-07-01 08:21	Hidden	View	Edit	Toggle	Export

"After clicking 'Save Quiz', the quiz will be displayed in the table."

# Managing Quizzes (Instructor)

- **View All Quizzes:** See a table of all your quizzes.
- **Edit:** Select a quiz and click **Edit** to change questions, difficulty , options, or other settings.
- **Delete:** Select a quiz and click **Delete** to remove it (you’ll be asked to confirm).
- **Filter/Search:** Use the search bar or filters to quickly find a quiz by name, code, course, or visibility.

Edit Quiz: mid sem

DetailsInstructionsQuestions

Quiz Code:

Q01

Quiz Name:

mid sem

Course:

BTech CSE V, VII, VI

Course Year:

2023-2027

Academic Year:

2025

Subject:

Machine Learning

Subject Code:

C06

Time Limit (minutes):

10

Number of LOW Questions:

2

Number of MEDIUM Questions:

2

Number of HIGH Questions:

1

Number of Displayed Questions:

5

Number of questions to display to each student (randomly selected per attempt). Must be between 1 and the total number of questions.

Edit Quiz: mid sem

DetailsInstructionsQuestions

Add Question

Question 1Question 2Question 3Question 4Question 5

Difficulty:

MEDIUM

Question:

Which machine learning technique is used for dimensionality reduction?

Topic:

NA

Summary:

NA

Add/Change Image

Options:

Decision Trees

☐ Correct

Remove

Principal Component Analysis

☒ Correct

Remove

Instructor Login

Welcome, Admin User

Add New QuizImport QuizStudent PerformanceMonitorRefreshImage ServerImage FlushLogout

Search quizzes...

Filter by:Quiz CodeSort by:Created AtOrder:Descending

Quiz Code	Quiz Name	Instructor Name	Program	Subject	Created At	Status	Actions
Q011	First	Dr Kiran Sharma	BTech CSE VII	Coding	2025-07-07 09:52	Hidden	<div>ViewEditToggleExport</div>
Q04	Fourth	Dr Kiran Sharma	BTech CSE VIII, VII	Python Program...	2025-07-07 08:17	Visible	<div>ViewEditToggleExport</div>
q03	Third	Admin User	ADS	D.S	2025-07-06 23:15	Visible	<div>ViewEditToggleExport</div>
q02	Mid Sem	Admin User	DSA	Coding	2025-07-01 08:51	Visible	<div>ViewEditToggleExport</div>
Q01	Mid Sem	Admin User	DSA	Coding	2025-07-01 08:21	Hidden	<div>ViewEditToggleExport</div>

Delete

Delete Quiz

?

Are you sure you want to delete the selected quiz? This action cannot be undone.

OK

Cancel

## Monitoring and Performance (Instructor)

**Monitor:**

- Click **Monitor** to see which students are taking quizzes right now.
- View live progress, status, and if any student leaves full-screen mode (rule violation).

**Key columns to note:**

- **Actions:** Allows instructors to manage student quiz sessions, such as pausing a quiz, resuming it, or **forcing submission** and delete the data so that it will allow to Re-Quiz.
- **Full Screen Fault:** Indicates if a student has exited full-screen mode during the quiz, which is flagged as a rule violation.
- **Other Columns:** Provide real-time data including student name, quiz name, start time, elapsed time, current score, and progress status.

[illegible]

### Student Performance:

- Click **Student Performance** to see results for each quiz and student.
- First select any of the quiz to see the student performance.
- View overall statistics, individual scores, and question-by-question analysis.
- How many low level, medium level and High level question's answers are correct.
- Export performance reports for selected quizzes or students.
- Filter results by date range, score, or specific student groups.
- Identify areas where students commonly struggle based on question performance.

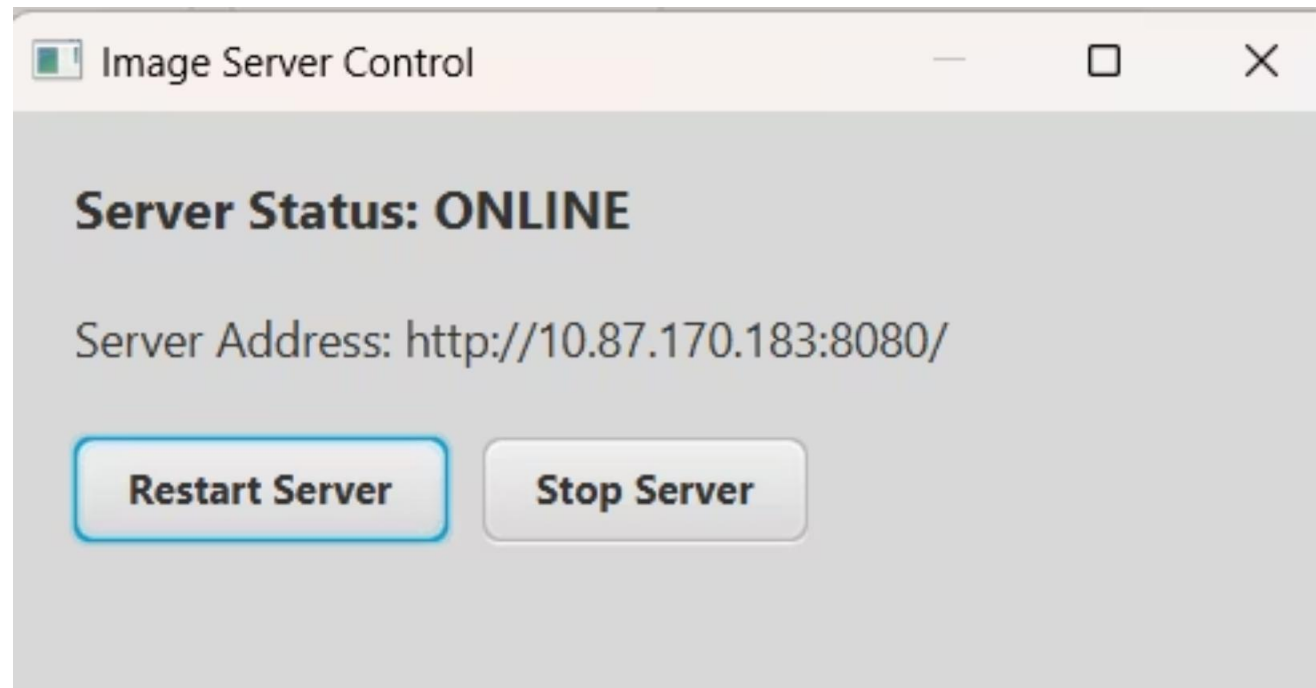
[illegible]



# Image Server & Image Flush (Instructor)

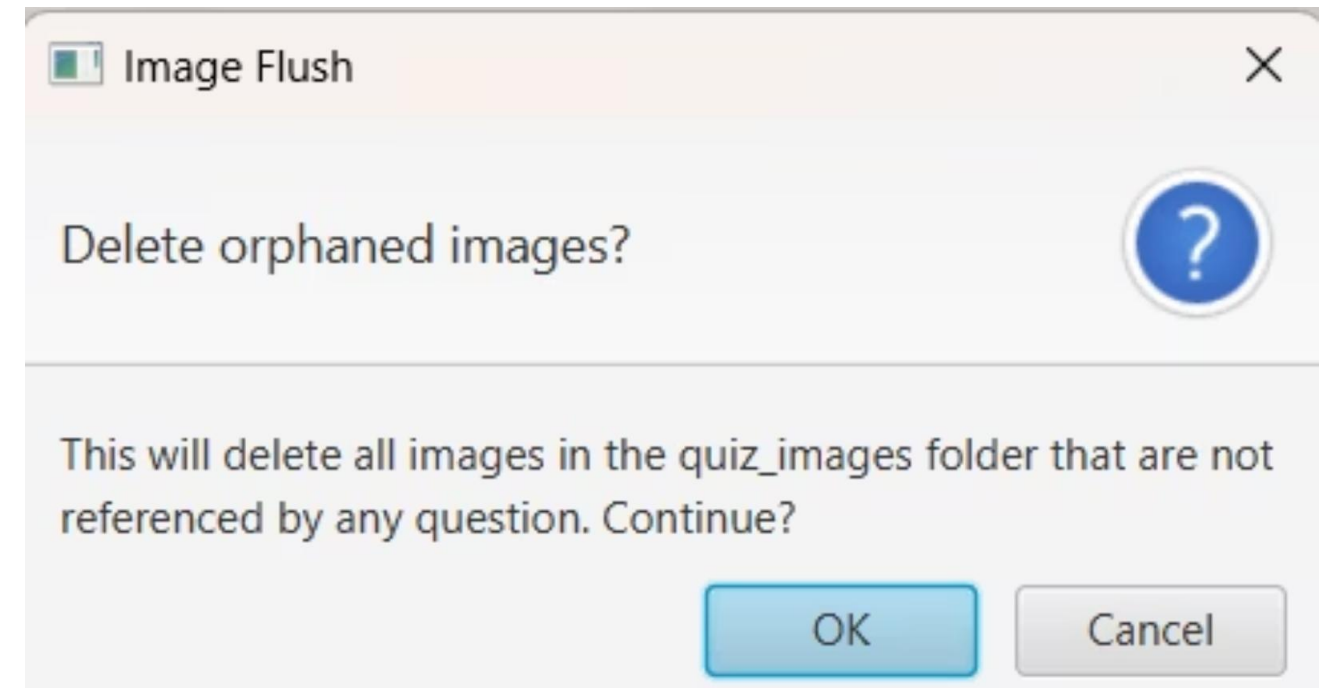
## Image Server:

- Click to start or stop the image server.
- The image server lets students see images in quiz questions.
- If students can't see images, make sure the server is running.



## Image Flush:

- Click to clear the image cache.
- Use this if images are not updating or are stuck.



## Refresh and Other Tools (Instructor)

### Refresh:

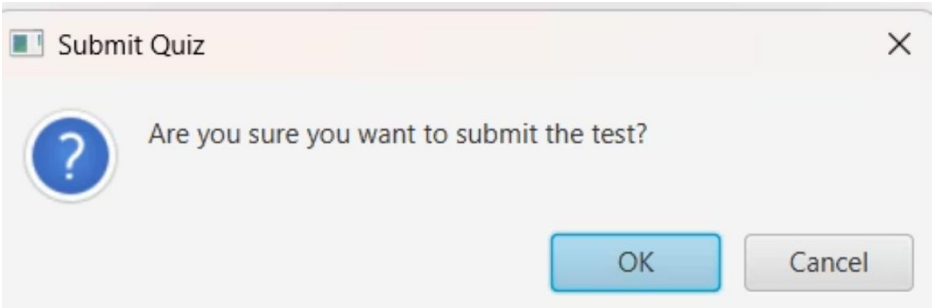
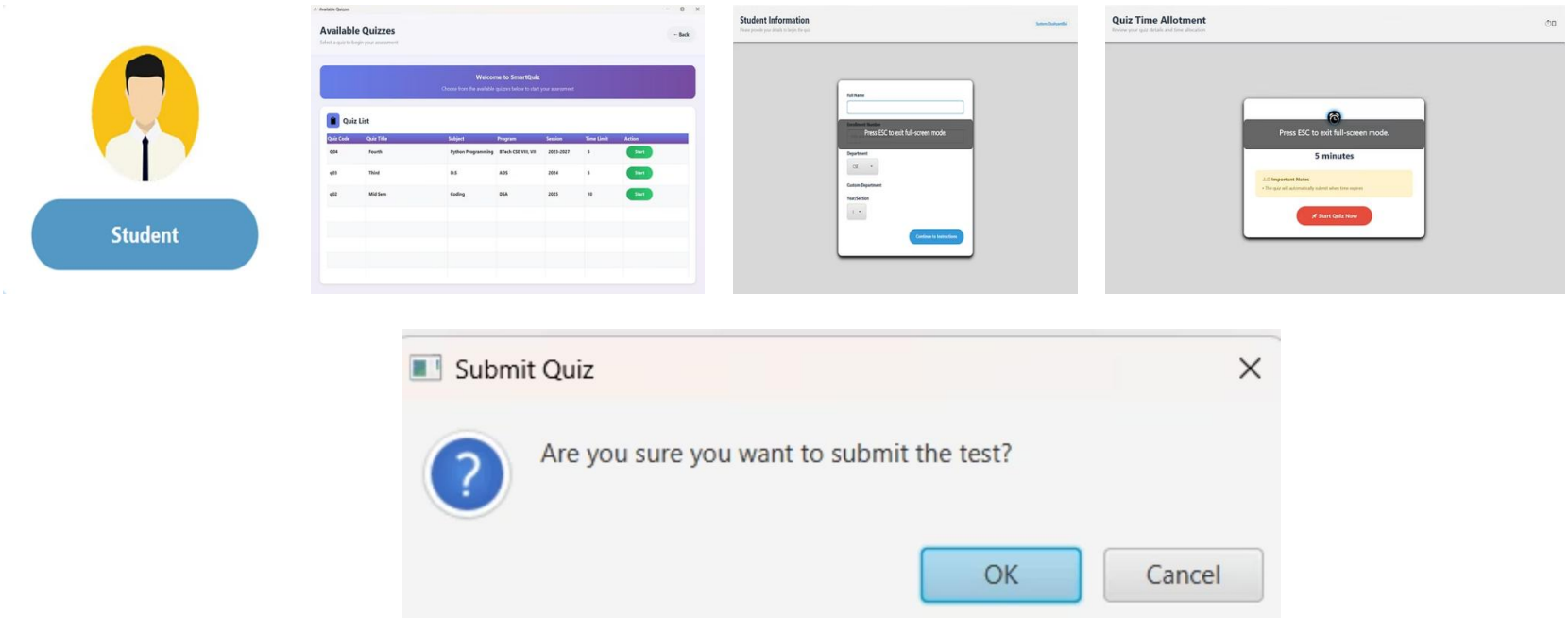
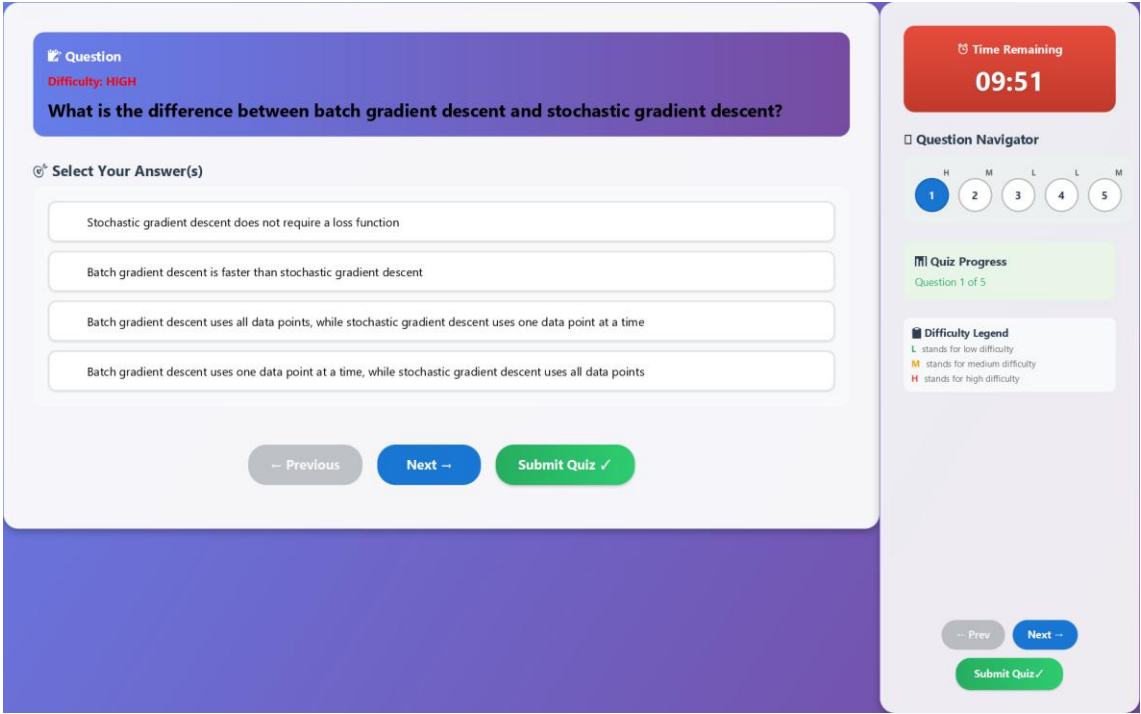
- Click to reload the dashboard and quiz list.
- Use this after making changes or importing a quiz.

### Other Tools:

- **Export:** Download quiz data or results (if available).
- **Toggle Visibility:** Click this button to make a selected quiz visible or hidden in the student interface.

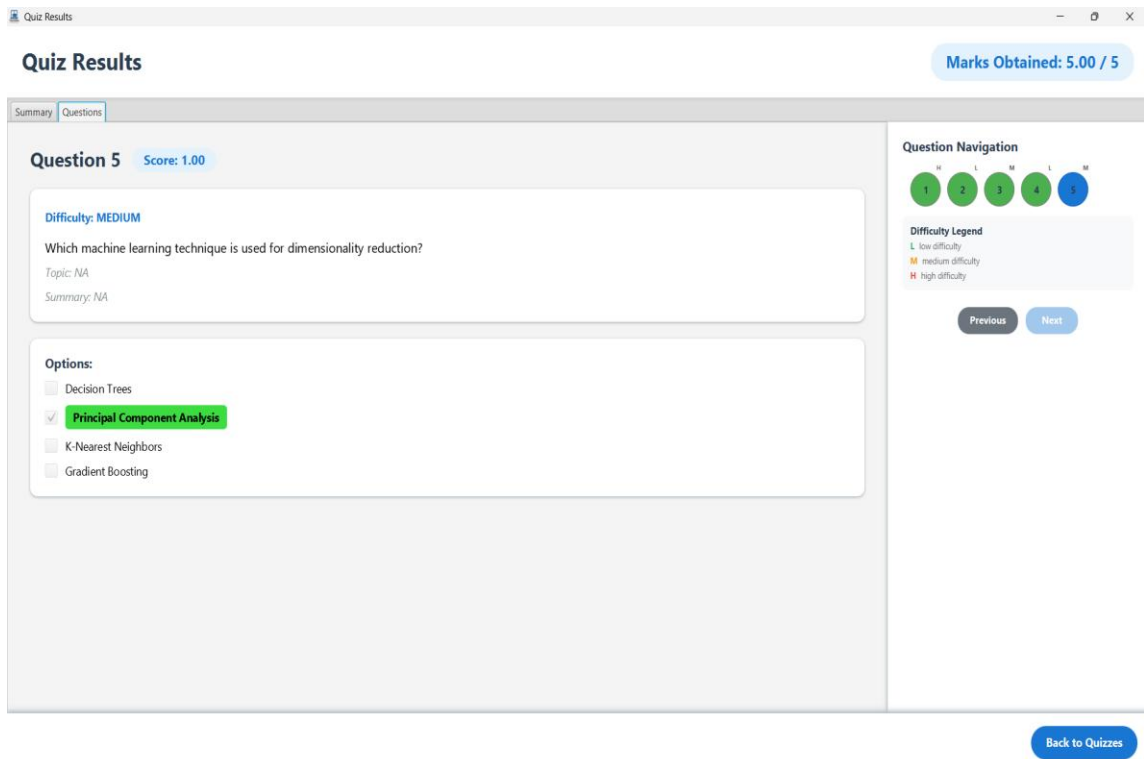
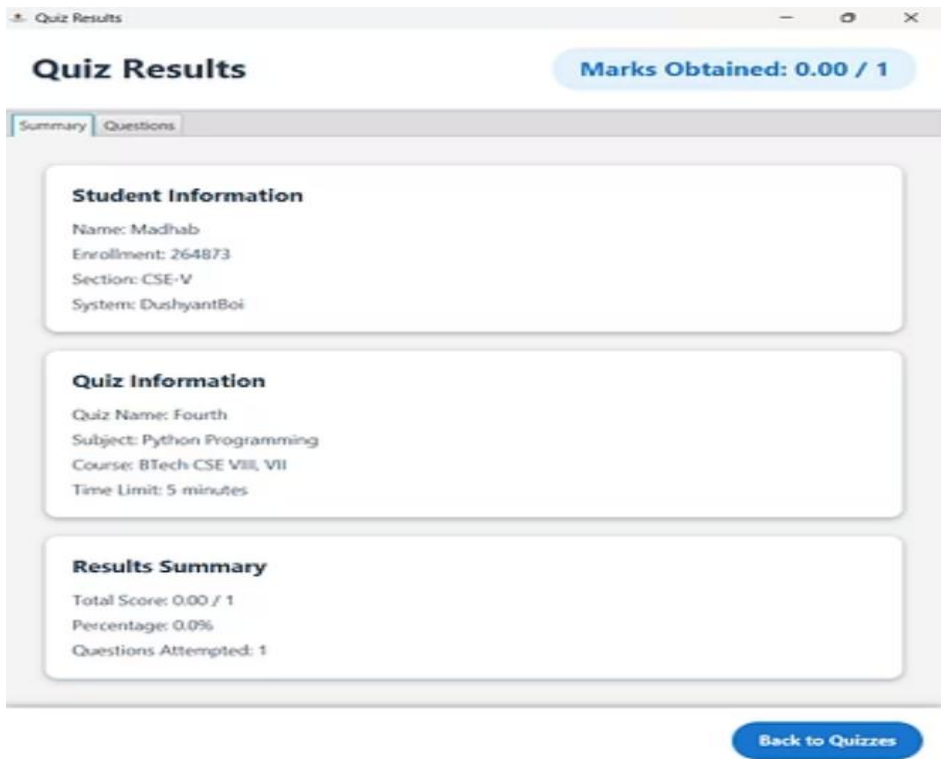
# If You Are a Student – Starting a Quiz

- Choose **Student** on the role selection screen.
- See a list of available quizzes (only those set as visible).
- Click your quiz to Fill details.
- Enter your name, enrollment number, section, and system name.
- Click **Start Quiz**.
- Read each question and select your answer(s).
- You can now see the questions based on their difficulty level.
- Use **Next** and **Previous** to move between questions.
- Watch the timer at the top of the screen.
- Click **Submit Quiz** when finished.



# Viewing Results (Student)

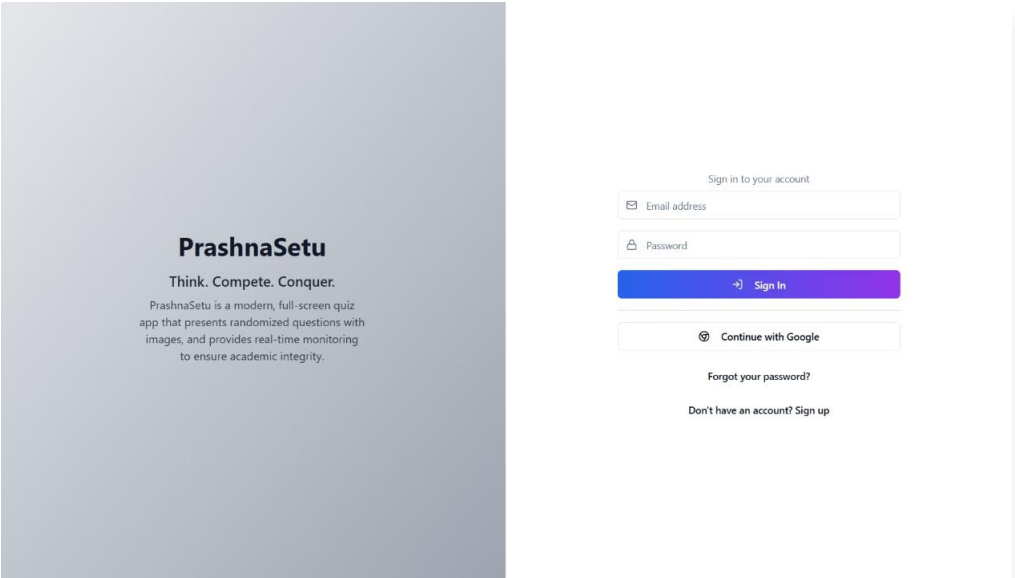
- After submitting, see your score and which answers were correct.
- Review your performance and see which questions you got right or wrong.



After Review Click on “Back to Quizzes ” For Exit.

# Using the Web Quiz Builder

- Open your browser and go to [PrashnaSetu](#)
- No login needed. If you are not the First User. If not then you must do SignIn/SignUp.
- Modern interface for creating quizzes with image upload and real-time preview.



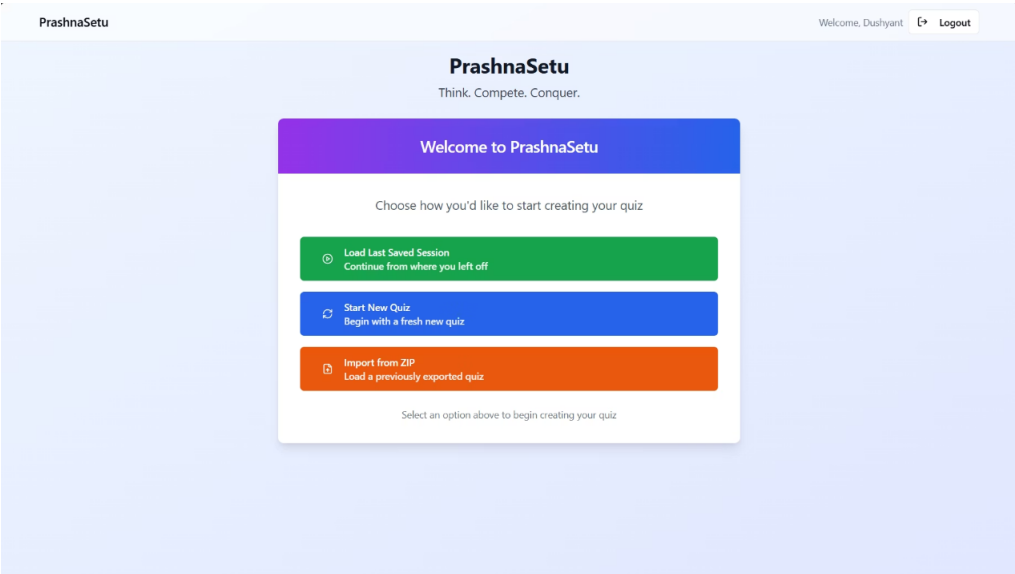
## Web Quiz Builder Interface

The first image shows the initial login screen for the Web Quiz Builder, where you can authenticate to access its features. This ensures secure access to your quiz creation environment.

The second image displays the main home page or dashboard once you've logged in. This page typically provides an overview of your existing quizzes, options to create new ones, and other relevant details and tools for managing your content.

On the main dashboard, you will see three key sections:

- **Load Last Saved Session:** This option allows you to quickly resume work on your most recent quiz project, ensuring continuity.
- **Create New Quiz:** Start fresh with a blank canvas to design a brand-new quiz from scratch.
- **Import from CSV:** Easily upload quiz data from a CSV file, streamlining the process of adding multiple questions or quizzes.



# Editing a Quiz in the Web Builder

After clicking **Load Last Saved Session**, the Web Quiz Builder opens your most recent work. This interface allows you to continue editing your quiz seamlessly.

## Key Features and Sections:

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Welcome, Dushyant [Logout](#)

Quiz Information

Course Code \*

C06

Subject Name \*

Machine Learning

Quiz Name \*

mid sem

Program \*

BTech

Department \*

CSE

Section \*

V, VII, VI

Academic Year \*

2023-2027

Instructor Name \*

Dr Anantha Rao

Allowed Time (minutes) \*

10

Number of questions to be displayed to the student:

Easy Difficulty Questions

2

Medium Difficulty Questions

2

High Difficulty Questions

1

Total Questions\* ⓘ

5

[Back to Home](#)

[Save Session](#)

[Flush Data](#)

[Next](#)

Session Loaded


Your saved session has been restored successfully.

The image shows the saved session within the Web Quiz Builder. Below are explanations for common buttons found in this interface:

- Back to Home:** Returns you to the main dashboard of the Web Quiz Builder.
- Save Session:** Saves your current progress and all changes made to the quiz.
- Flush Data:** Clears any temporary data or cache related to the quiz, which can be useful if you encounter display issues.

# Starting or Importing a Quiz in the Web Builder

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Welcome, Dushyant  Logout

Quiz Information

Course Code \*

Subject Name \*

Quiz Name \*

Program \*  

Select program

Department \*  

Select department

Section \*  

Select section

Academic Year \*  

Select session

Instructor Name \*


Allowed Time (minutes) \*

Number of questions to be displayed to the student:  

Easy Difficulty Questions

Medium Difficulty Questions

High Difficulty Questions

Total Questions\* 

Fields marked with \* are required.

Back to Home

Save Session

Flush Data

Next

New Quiz Started

Form has been reset. Your previous saved session is still available.

"To create a new quiz, the user must provide complete details including the course code, subject name, quiz title, program, academic year, section, and the number of questions for each difficulty level (Easy, Medium, Hard), among other relevant information."

Beyond loading a saved session, the Web Quiz Builder offers two other key ways to start a quiz:

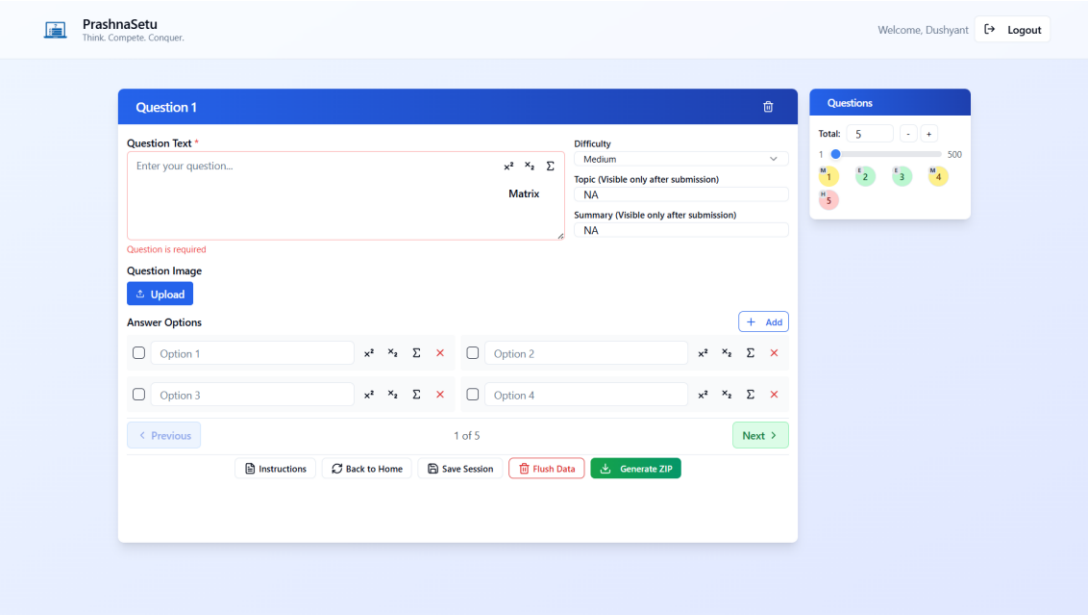
## Create New Quiz:

Clicking "Create New Quiz" opens a blank canvas, allowing you to design a brand-new quiz from scratch. This option is ideal when you're starting fresh with new content.

## Import from CSV:

The "Import from CSV" feature streamlines the process of adding multiple questions or entire quizzes by allowing you to upload data directly from a CSV file. This is useful for quickly populating quizzes from existing question banks.

# Creating Questions: The Question Palette Interface



The Question Palette is where you design and build your quiz questions. This powerful interface provides all the tools you need to create engaging and diverse question types.

## Key Features:

- **Question Text:** Enter your question here. Use the math tools ( $\Sigma$ ,  $x^2$ ,  $x_2$ ) to insert symbols and formulas.
- **Topic (optional):** Mention the topic (shown to students after quiz submission).
- **Explanation (optional):** Add clarification or reasoning for the correct answer (visible post-submission).
- **Upload Image:** Attach an image to the question if needed.
- **Answer Options:** Add choices below. Check the box next to the correct one(s). Use + Add to insert more.

## Action Buttons:

- **Back to Home** – Return to dashboard.
- **Save Session** – Saves your work temporarily.
- **Flush Data** – Clears everything.
- **Generate ZIP** – Downloads the quiz questions.

## Notes:

- You can add multiple questions with the help of small question palette maximum 500 and Minimum that you want to display.
- Math symbols auto-format with subscript/superscript.
- Here Select difficulty options to categorize question in Easy, Medium and Hard.



# Generate Zip:

Quiz Reminder

Date

dd-mm-yyyy

Time

--:--

Email Address

Enter email address

Yes, Send a Google Calender Link & Generate ZIP

Just Generate ZIP

After Mentioning all details

This screen helps you **set a quiz reminder** via **Google Calendar** and **download your quiz as a ZIP file**.

## Fields:

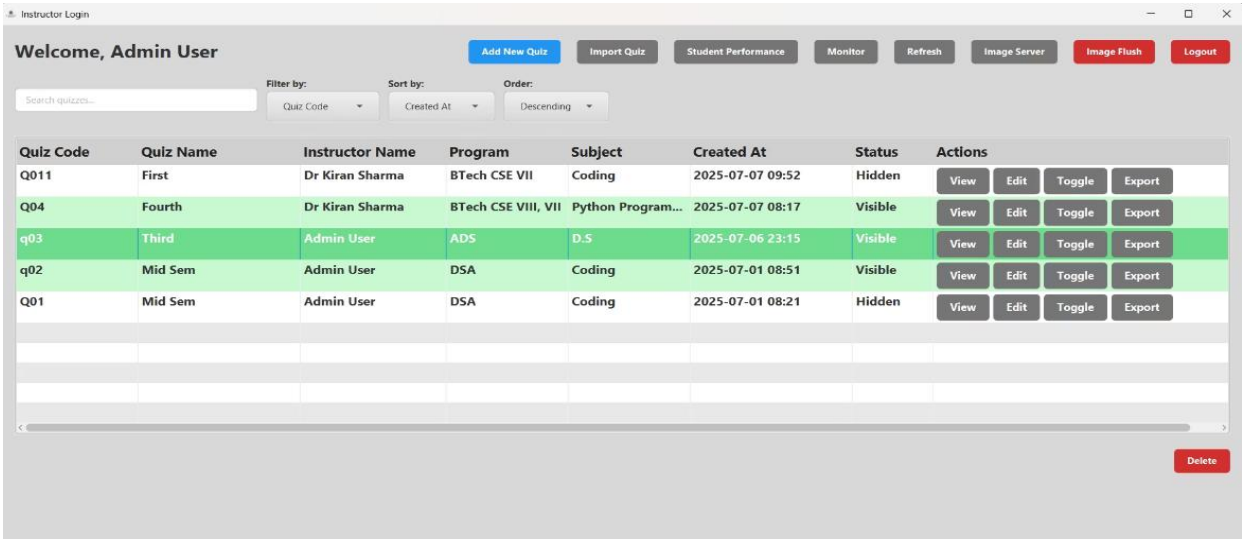
- Date** Select the quiz date in dd-mm-yyyy format.
- Time** Choose the quiz time (HH:MM).
- Email Address** Enter the email where the Google Calendar invite should be sent.

## Actions:

Button	Function
<div>Yes, Send a Google Calendar Link &amp; Generate ZIP</div>	Sends a calendar invite to the email and downloads the quiz ZIP file.
<div>Just Generate ZIP</div>	Skips the email/calendar and directly downloads the quiz ZIP.

# Importing Web Quizzes into the App

After generating zip



- In the desktop app, click **Import Quiz**.

- Select the ZIP file you exported from the web builder.
- The quiz will appear in your dashboard, ready to edit or assign.
- Select its Visibility by clicking toggle button and quiz will be appear on student interface.

