

## ProctorLink - Moodle Proctoring Plugin (User Guide)

### Summary

This document provides a detailed overview of the ProctorLink - Moodle Proctoring plugin, developed by Take2 Technologies. This plugin enhances online exam integrity by offering features like webcam monitoring, identity verification, and warning issuance for suspicious activity.

### 1. Plugin Overview

**Name:** ProctorLink

**Purpose:** Provides proctoring functionalities for online quizzes in Moodle, including:

Webcam capture of user activity at set intervals

AI-powered identity verification against captured images

Warning alerts for potential cheating attempts

### Features:

- **Real-time human proctoring:** The plugin allows for a human proctor to continuously monitor the student's activity during the quiz, including webcam feed and microphone audio.
- **Automated Proctoring:** An AI-powered system that monitors student behavior in real time without requiring a human proctor. It automatically detects anomalies such as leaving the camera frame, unusual eye

movements, or the presence of multiple faces. This enables scalable, round-the-clock monitoring while maintaining exam integrity and reducing manual oversight.

- **Real-Time Eye Tracking:** This feature uses computer vision to monitor the student's eye movements in real time during the quiz. It detects when a student:
  - looks away from the screen
  - closes their eyes
  - avoids eye contact with the camera
  
- **No Activation Keys or Tokens:** Eliminates the hassle of license keys or token generation. Plugin activates instantly post-installation, reducing dependency and making onboarding frictionless.
- **Customizable capture intervals:** Instructors can set the frequency at which the plugin captures images of the student's activity.
- **Identity verification:** The plugin compares the student's face to a pre-captured image, ensuring that the correct individual is taking the quiz.
- **Grouping for Proctoring:** Administrators can organize students and proctors into groups under a dedicated **proctoring** grouping. This ensures each proctor monitors only their assigned students during live sessions, improving efficiency and scalability in large exams.

- **Configurable warning system:** Instructors can set the number of warnings issued to students for suspicious activity, such as:
  - Leaving the camera view
  - Switching tabs or windows
  - Eyes not detected properly
  - Face covered or obscured
  - Two faces detected in the camera frame

## Proctoring Report:

### quiz1

[Quiz](#) [Settings](#) [Questions](#) [Results](#) [Question bank](#) [More](#) ▾

[Preview quiz](#)

This quiz is configured to require proctored access for user attempts.

[View Online Users](#)

[View Proctoring Report](#)

Grading method: Highest grade

- **Interface for Reviewing Captured Data:** Admins and Teachers can review all captured images and activity logs for each proctored quiz attempt within the Proctoring Report interface. This includes images flagged for warnings and any other captured data, allowing instructors to assess quiz integrity thoroughly.

Additionally, proctors have the option to **generate a PDF report** directly from the interface. The report consolidates all captured images, warning logs, and session details into a downloadable file, making it easier to archive or share exam integrity records with relevant stakeholders.

**User Images Report: Remove a user's images from this quiz. All related images will be deleted.** [View Overall Report for Proctor Course](#)

Export Report to PDF    Export Report to CSV

Show  per page    Search:

Full Name	Email Address	Last Attempt	User's Images	Warnings	Review Attempt	Delete Images
Admin User	ks@taketwotechnologies.com	28 Aug, 15:00	433	194		
Akshay S	ak@gmail.com	18 Aug, 17:16	9	3		
nandini student	nandinis@gmail.com	25 Aug, 17:59	331	124		
student 3	student3@gmail.com	19 Aug, 11:41	351	151		
student 1	student1@gmail.com	28 Aug, 15:08	383	80		

**Review attempt images for nandini student** [Back to User Images Report](#)

Show  per page    Search:


Email Address	Attempt	Started	Submitted	Duration	Proctoring Images	Proctoring Identity	Proctor Failed	Generate Report
nandinis@gmail.com	119	25 Aug, 17:59	25 Aug, 18:08	9 mins			No	<a href="#">Generate</a>
nandinis@gmail.com	118	21 Aug, 11:34	21 Aug, 11:45	10 mins 32 secs			No	<a href="#">Generate</a>
nandinis@gmail.com	117	20 Aug, 16:07	20 Aug, 16:08	1 min 8 secs			No	<a href="#">Generate</a>
nandinis@gmail.com	116	20 Aug, 15:50	20 Aug, 15:57	6 mins 27 secs			No	<a href="#">Generate</a>


- **Data storage options:** Admins and Teachers can select whether to store all images or only those triggered by warnings on a per-quiz basis.

## ▼ Extra restrictions on attempts


Require password   


Show more...


Enable proctoring with this quiz 

Allow proctor to view online users 

**Store all images** 

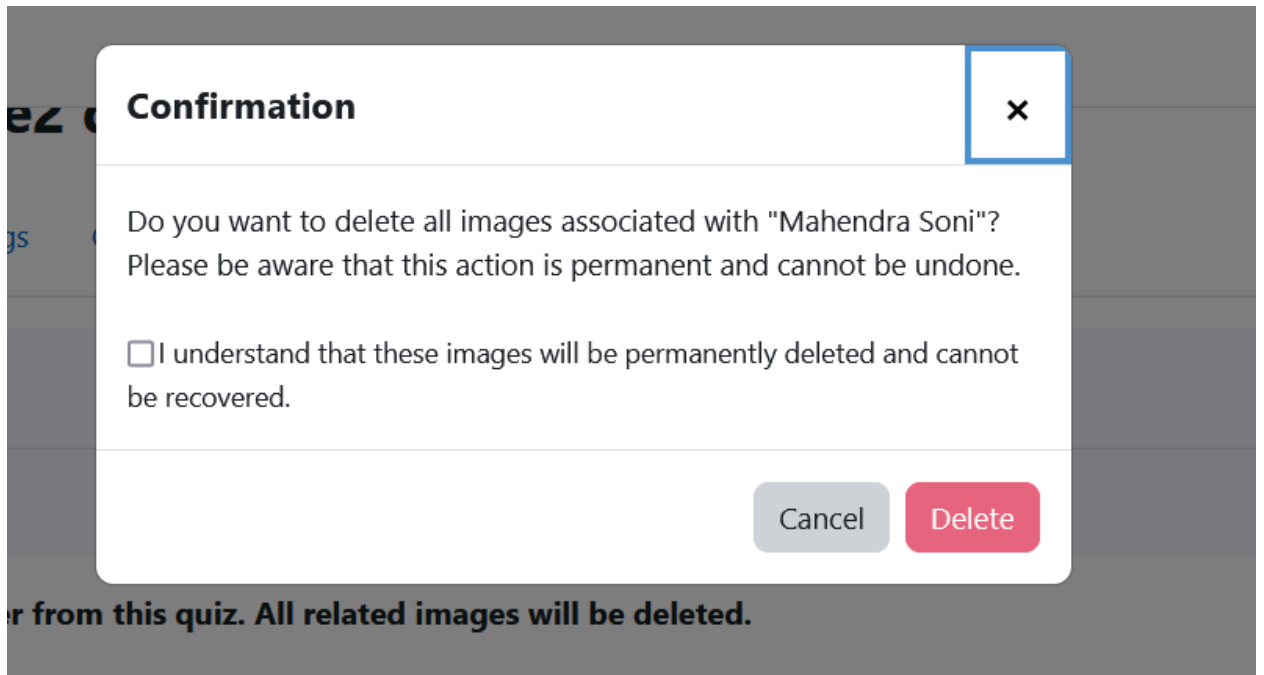
Enable profile picture match 

Enable user video during quiz 

Enable eye tracking 

**Note:** Eye tracking is a visually dependent process and results may vary based on individual facial features, lighting conditions, or if the user is wearing eyeglasses. While it enhances monitoring, occasional inconsistencies may occur.

- **Manual deletion option:** Within the report interface, users can delete captured images manually, with a checkbox for permanent deletion.



- **Permission management:** Admins can restrict report access permissions, allowing only selected users (typically Teachers and Admins) to view and manage proctoring data in the report.

## Target Audience:

**Administrators:** Can modify permissions for all users and configure the plugin settings across the Moodle platform.

**Instructors:** Can configure proctoring for their quizzes (if allowed by the administrator), monitor live activity, and review captured data.

**Students:** Automatically interact with the proctoring system during quizzes but don't need special permissions assigned.

## 2. System Requirements

- **Moodle Compatibility:** The Moodle Proctoring plugin is compatible with Moodle versions 4.0 and higher.
- **Integration:** It integrates as a quiz access rule plugin, ensuring seamless functionality within Moodle quizzes.

## 3. Setup and Installation

### Pre-requisites:

A Moodle platform (version 4.0 or later)

A Moodle admin account with appropriate permissions

### Steps:

**Install Moodle:** If you haven't already, install Moodle on your server or hosting platform. Follow the [official Moodle installation instructions](#).

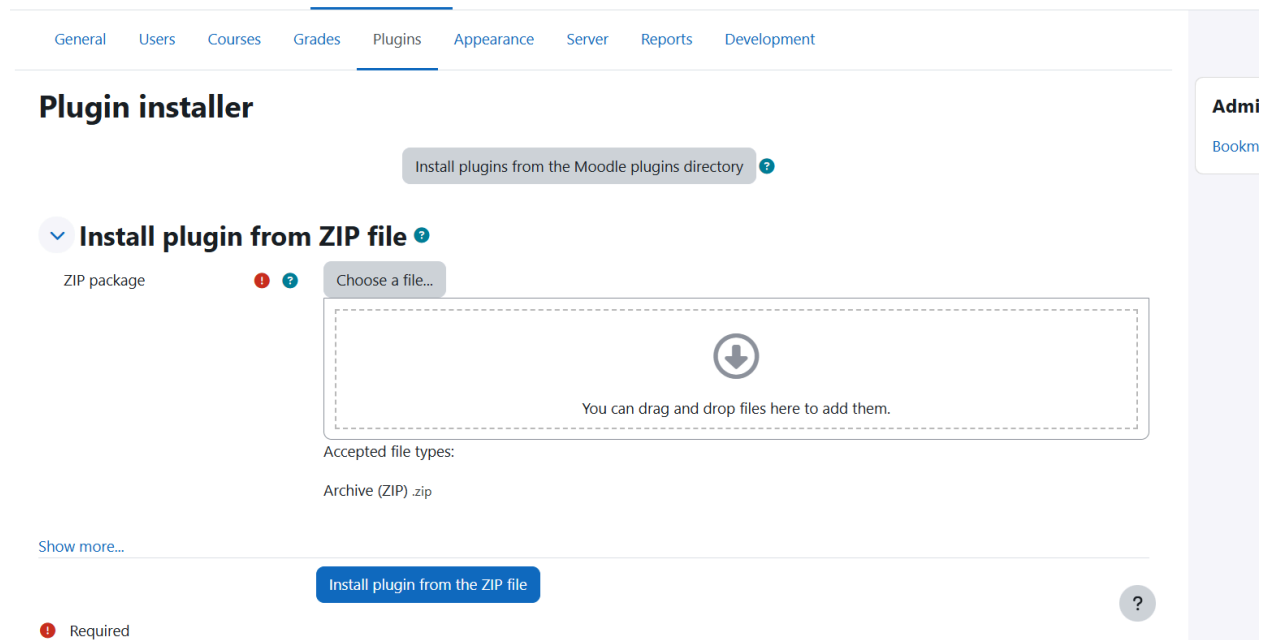
**Download the Plugin:** Download the Moodle Proctoring plugin from the

Moodle Plugin Directory. You can find it by searching for "Moodle Proctoring plugin" or simply [click here to download it](#).



The screenshot shows the Moodle Plugin Directory page for "ProctorLink for Moodle Proctoring". The page header includes the Moodle logo and navigation links: Forums, Documentation, Downloads, Demo, Tracker, Development, Translation, and a search icon. A language dropdown menu is set to "English (United States) (en\_us)". The breadcrumb trail is: Plugins / Activities / Quiz / Quiz access rules / ProctorLink for Moodle Proctoring / Description. The main content area features a plugin card with the title "ProctorLink for Moodle Proctoring" and a "Download" button. Below the title, it lists maintainers: Take2 Technologies and Asha Yadav. A description states: "ProctorLink for Moodle Proctoring plugin offers quiz surveillance through the proctoring interface. It helps in a candidate's identity verification and proves fruitful in generating warnings for unfair participation."

**Upload the Plugin:** Log in to your Moodle site as an administrator. Go to **Site administration -> Plugins -> Install plugins**. Upload the downloaded plugin file (usually a .zip file).



The screenshot shows the Moodle "Plugin installer" interface. The top navigation bar includes: General, Users, Courses, Grades, Plugins, Appearance, Server, Reports, and Development. The "Plugins" tab is active. On the right, a sidebar shows "Admin" and "Bookmarks". The main content area is titled "Plugin installer" and contains a button "Install plugins from the Moodle plugins directory". Below this, a section titled "Install plugin from ZIP file" is expanded. It shows a "ZIP package" section with a "Choose a file..." button and a dashed box for file upload. Below the box, it says "You can drag and drop files here to add them." and lists "Accepted file types: Archive (ZIP) .zip". At the bottom, there is a "Show more..." link and a blue button "Install plugin from the ZIP file". A red circle with an exclamation mark and the word "Required" is visible at the bottom left.


## Plugins check

This page displays plugins that may require your attention during the upgrade, such as new plugins to be installed, plugins to be upgraded, missing plugins etc. Additional plugins are displayed if there is an available update for them. It is recommended that you check whether there are more recent versions of plugins available and update their source code before continuing with this Moodle upgrade.

Check for available updates

## Plugins requiring attention

Plugins requiring attention 1 [All plugins](#) 443

Plugin name / Directory	Current version	New version	Requires	Source / Status
<b>Quiz / Access rules</b>				
 Proctoring quiz access rule /mod/quiz/accessrule/quizproctoring		2024102801	• Moodle 2022041900	<b>Additional</b> <b>To be installed</b>

 Reload

Upgrade Moodle database now

## Upgrading to new version

### quizaccess\_quizproctoring

install.php: Success (1.82 seconds)

update\_capabilities: Success (1.03 seconds)

Success (3.30 seconds)

### upgrade\_noncore()

external\_update\_services: Success (6.13 seconds)

core\_component::get\_all\_component\_hash: Success (17.97 seconds)

Success (24.76 seconds)

Continue

**Note:** While installing, refer to the basic [Moodle plugin installation guide](#) to ensure all recommended steps and requirements are met.

**Activate the Plugin:** After the plugin is installed, activate it by going to **Site administration -> Plugins -> Activity modules -> Quiz -> Proctoring quiz access rule.**

**Configure the Plugin:**

**External Server Token and Secret Token:** Tokens are already set up for you. Just install and activate the Proctoring with Quiz to start using it.

## ProctorLink quiz access rule

Facematch Service Option <small>quizaccess_quizproctoring   serviceoption</small>	ProctorLink ▾ Default: ProctorLink
	Service to match faces
External Server Token <small>quizaccess_quizproctoring   accesstoken</small>	..... ✎ 🔗 Access token generated from External Server System Integration
External Server Secret Token <small>quizaccess_quizproctoring   accesstokensecret</small>	..... ✎ 🔗 Access secret generated from External Server System Integration
Time interval <small>quizaccess_quizproctoring   img_check_time</small>	30 seconds ▾ Default: 30 seconds Select time interval for image Proctoring
Show Proctoring Images <small>quizaccess_quizproctoring   proctoring_image_show</small>	<input checked="" type="checkbox"/> Default: Yes If set, Proctoring Images can be displayed on Proctoring Report page.

**Time Interval:** Set the interval at which the plugin will capture images of the student's activity during the quiz.

**Proctoring Image Show:** Enable this option to view captured images on the **Review Attempts** page of the quiz.

**Enable Proctoring for Quizzes:** Go to the **Edit Settings** of the quiz you want to proctor. In the **Extra restrictions on attempts** section, select **Yes** to enable proctoring. Set up the desired time interval and warnings threshold.

Allow proctor to view online users	?	Yes
Store all images	?	Yes
Enable profile picture match	?	No
Enable user video during quiz	?	Yes
Enable eye tracking	?	Yes
<small>Note: Eye tracking is a visually dependent process and results may vary based on individual facial features, lighting conditions, or if the user is wearing eyeglasses. While it enhances monitoring, occasional inconsistencies may occur.</small>		
Time interval	?	30 seconds
Warnings threshold during proctored quiz	?	10

#### 4. How Permissions Can Be Assigned in Moodle

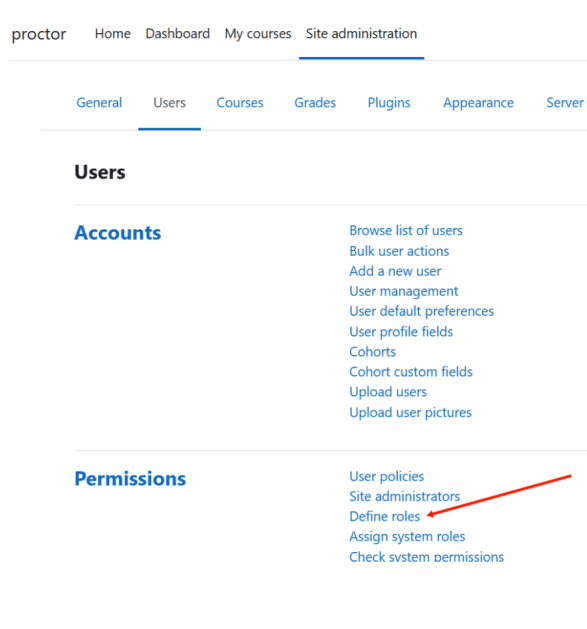
In Moodle, administrators can assign or modify permissions for different roles (e.g., teachers, students) to control who can access and use specific features of the Moodle Proctoring plugin. Below are the steps to assign permissions:

##### Step 1: Access Role Definitions

**Log in as an Administrator:** Only Moodle administrators have the ability to change permissions.

**Navigate to Site Administration:** On the Moodle dashboard, click on **Site administration** from the menu.

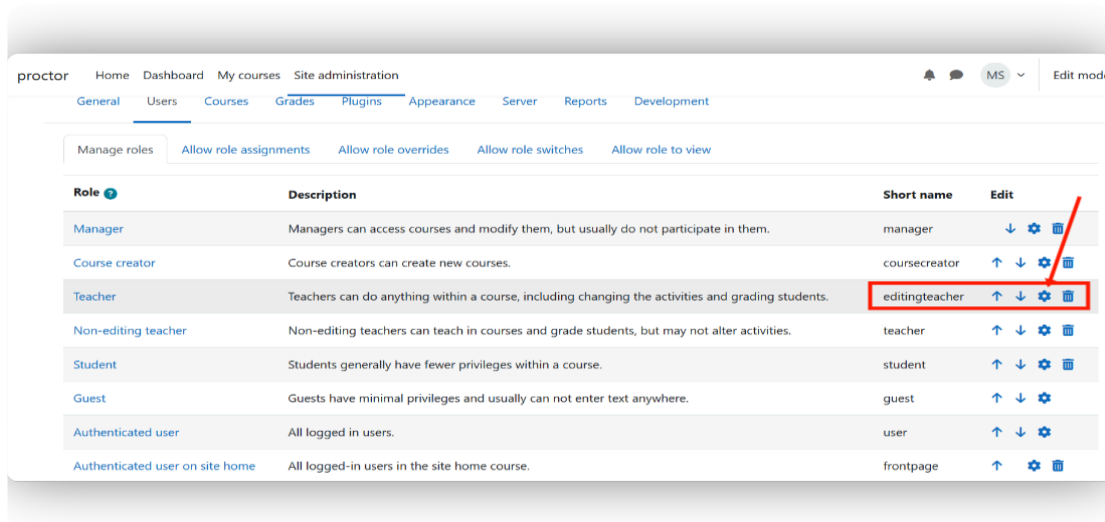
**Go to the Define Roles Section:** In the Site Administration panel, find **Users** -> **Permissions** -> **Define roles**.



## Step 2: Edit Existing Roles or Create a New Role

**Modify an Existing Role (e.g., Teacher, Student):**

From the list of existing roles (Teacher, Student, Administrator), click the **edit icon** next to the role you want to adjust.



Search for the specific proctoring-related permissions you want to assign (e.g., `quizaccess/quizproctoring`)

### Step 3: Assign Proctoring Permissions

**Find Proctoring-Related Capabilities:** Use the search bar in the role editing page to locate permissions related to the Moodle Proctoring plugin. Some key permissions include:

- `quizaccess/quizproctoring:quizproctoringonlinestudent`
  - Allows the user to view students online during proctored quizzes in real time.
- `quizaccess/quizproctoring:quizproctoringoverallreport`
  - Allows the user to view a comprehensive proctoring report of the quiz, including any suspicious activities detected.

proctor Home Dashboard My courses Site administration

<b>Quiz report: Manual grading</b>	
See student identity fields while grading quiz/grading:viewidnumber	<input checked="" type="checkbox"/> Allow
See student names while grading quiz/grading:viewstudentnames	<input checked="" type="checkbox"/> Allow
<b>Quiz report: Statistics</b>	
View statistics report quiz/statistics:view	<input checked="" type="checkbox"/> Allow
<b>Proctoring quiz access rule</b>	
View Online Students during Proctoring quizaccess/quizproctoring/quizproctoringonlinestudent	<input checked="" type="checkbox"/> Allow
View Proctoring Report quizaccess/quizproctoring/quizproctoringoverallreport	<input checked="" type="checkbox"/> Allow
View Proctoring Images and Proctoring Identity buttons quizaccess/quizproctoring/quizproctoringreport	<input checked="" type="checkbox"/> Allow
<b>Safe Exam Browser access rules</b>	
Bypass the requirement to view quiz in Safe Exam Browser. quizaccess/seb:bypassseb	<input checked="" type="checkbox"/> Allow
Change SEB quiz setting: Select SEB config file quizaccess/seb/manage_filemanager_sebconfigfile	<input checked="" type="checkbox"/> Allow
Change SEB quiz setting: Activate URL filtering quizaccess/seb/manage_seb_activateurlfiltering	<input checked="" type="checkbox"/> Allow
Change SEB quiz setting: Allowed browser exam keys	<input checked="" type="checkbox"/> Allow

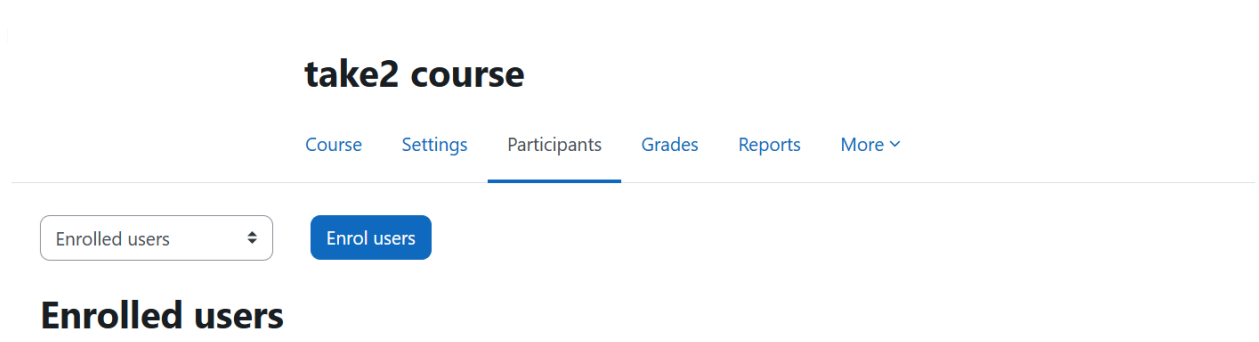
- `quizaccess/quizproctoring:quizproctoringreport` – Grants access to view proctoring images and proctoring identity buttons for detailed review of student identity verification.

For each of these capabilities, you can either check **Allow** to grant access to specific proctoring features like viewing online students or reviewing proctoring images, or leave it unchecked to Disallow access.

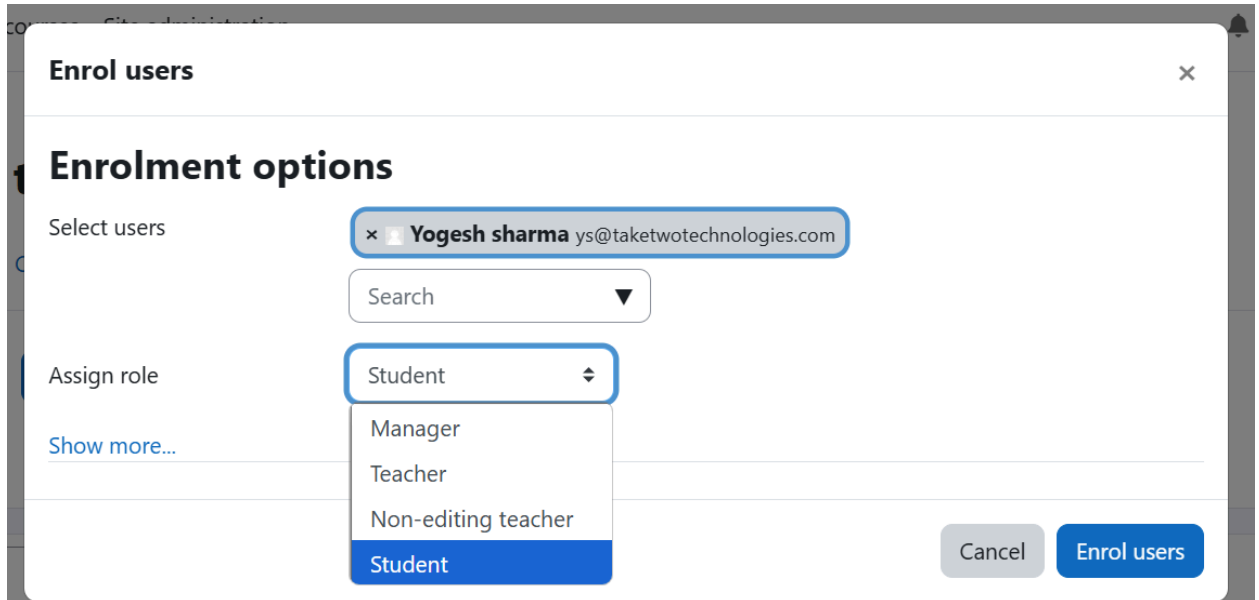
#### Step 4: Assign Roles to Users

Once permissions are set for a role, you can assign the role to users within a course.

1. **Go to the Course:** Navigate to the course where you want to assign the role.
2. **Open the Participants Page:** In the course, go to **Participants** from the course menu.
3. **Enroll the User:** Click the **Enroll Users** button, and in the enrollment pop-up, search for the user(s) you want to assign the role to.



4. **Assign a Role:** From the drop-down menu next to the user's name, select the appropriate role (e.g., Teacher, Student, or any custom role you've created) and click **Enroll Users** to assign the role.



## 5. Grouping Feature for Proctoring

The Grouping feature in ProctorLink allows Moodle administrators to assign specific students and proctors (teachers) into structured groups, enabling scalable and organized supervision during live online assessments. This guide outlines the precise steps to enable and configure this functionality.

### Step-by-Step Configuration

#### 1. Log In as Site Administrator

Access your Moodle site and log in with administrator credentials.

#### 2. Navigate to the Relevant Course

Open the course where the live proctoring session will be conducted.

#### 3. Go to the Participants Section

In the course navigation menu, click “**Participants**” to view and manage enrolled users.

#### 4. Access Grouping Settings

- Click on the “**Enrolled Users**” dropdown located at the top-right.
- Select “**Groupings**” from the dropdown list.

#### 5. Create the Required Grouping

- Click “**Add Grouping.**”
- Enter the **exact name**: `proctoring`.
- Save changes.

**Note:** Only a grouping named “**proctoring**” (case-sensitive) is supported for this feature. If a different name is used, the live group-based proctoring functionality will not work.

#### 6. Create Student Groups

- Return to the **Enrolled Users** dropdown and select “**Groups.**”
- Create the desired number of groups (e.g., Group 1, Group 2, etc.) based on how you wish to distribute students and proctors.

#### 7. Assign Members to Each Group


- For each group, assign:
  - A **proctor or teacher** who will supervise that group.
  - The **students** who belong to that group.

- Link each group to the **proctoring** grouping created in Step 5.

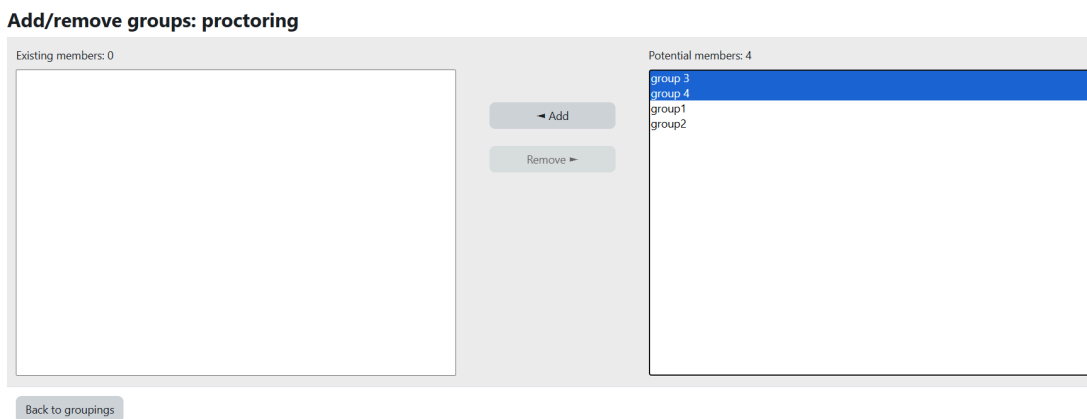
## 8. Link Each Group to the *proctoring* Grouping

- From the Participants page, open the Enrolled Users dropdown → choose Groupings.
- Locate the grouping named proctoring.
- In the Actions column, click the “Show groups in grouping” (User icon).

### Groupings ▾

Grouping	Groups	Activities	Edit
proctoring	None	0	

- Select the groups you created (e.g., Group 1, Group 2) from Available groups and click Add.



- The selected groups will now appear under Groups in grouping.

## Outcome

Once setup is complete, each proctor will have access to a **live view limited only to the students in their assigned group**. This segmentation significantly improves supervision efficiency and reduces interface clutter, especially during large-scale exam sessions.

## 6. User Experience

### Interface:

- **Instructor Interface:** The proctoring settings are integrated into Moodle's quiz management interface. Instructors can access this by navigating to the specific quiz they wish to configure. They will find options related to proctoring under the "Quiz settings" menu.

- **Student Interface:** When students attempt a proctored quiz, they will encounter a dedicated proctoring environment. This interface prompts them for webcam access before starting the quiz, ensuring that all necessary permissions are granted for monitoring.

## **Workflow:**


- **For Instructors:**
  1. **Enable Proctoring:** To enable proctoring for a specific quiz, navigate to the course where the quiz is located. Click on the quiz, and click on "Settings."
  2. **Configure Proctoring Settings:** In the quiz settings, find the "Extra restrictions on attempts" section. Here, you can toggle the proctoring option to "Yes." You will also set capture image


intervals and define warning thresholds.


### ▼ Extra restrictions on attempts

Require password   


Show more...


Enable proctoring with this quiz 

Allow proctor to view online users 

Store all images 

Enable profile picture match 

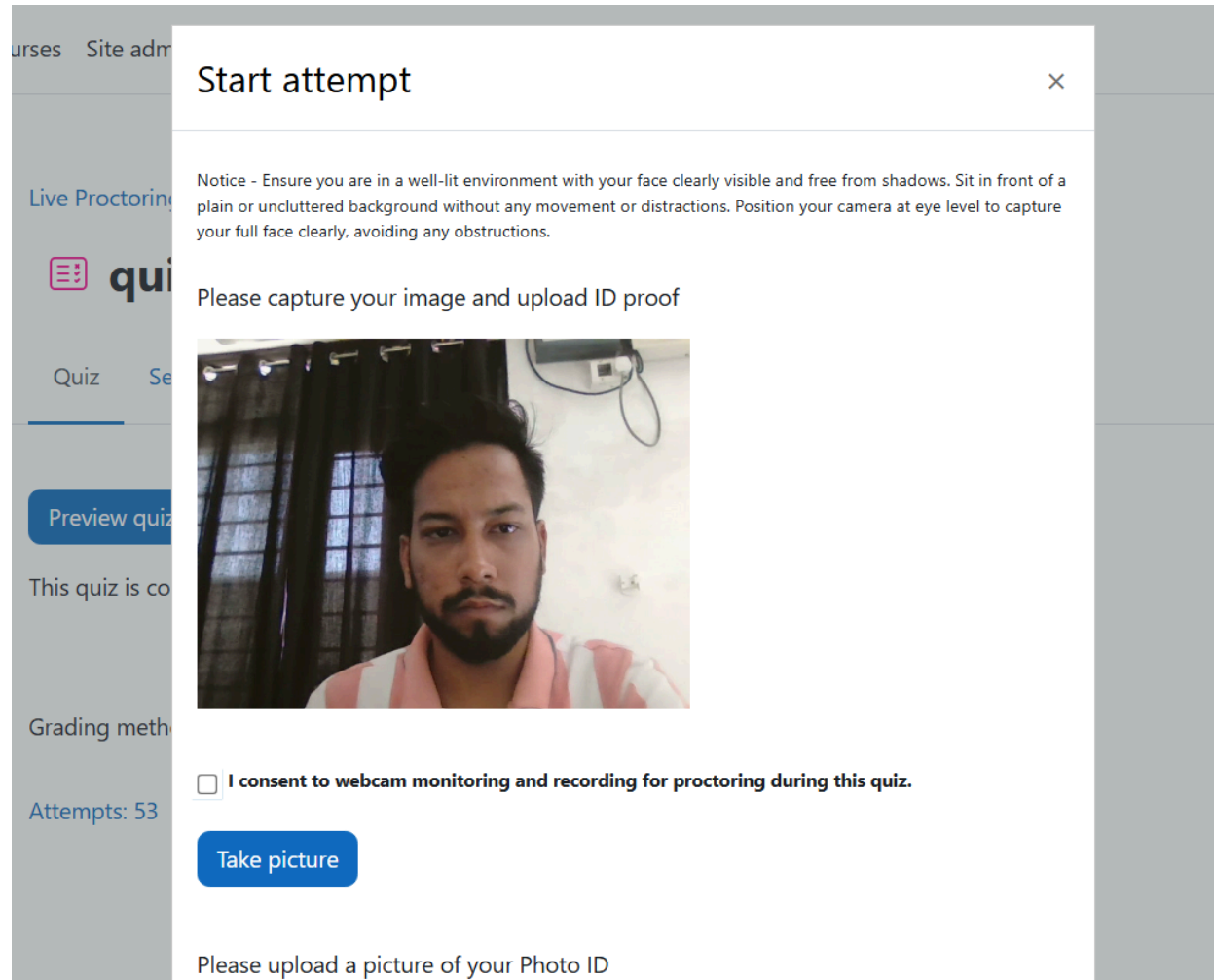
Enable user video during quiz 

Enable eye tracking 

3. **Set Capture Intervals:** Specify how often the plugin should capture images of the student during the quiz. This setting is essential for monitoring student activity.
  4. **Review Captured Data:** After the quiz is completed, instructors can review the captured images and any warnings issued. This is done by navigating to the quiz results page and selecting the "Review attempts" option. Here, instructors can see all images, including those that triggered warnings, allowing for a thorough assessment of the quiz's integrity.
  5. **Live Monitoring:** During the quiz, instructors can also view students live. This is accessible from the quiz monitoring interface, allowing for real-time oversight.
- **For Students:**

- 1. Accessing the Proctored Quiz:** Students will find the proctored quiz listed in their course under the relevant topic or section. When they click on the quiz link, they will be directed to a page that outlines the quiz details.
- 2. Webcam Activation:** Before starting the quiz, students must allow webcam access. This step is crucial for identity verification and monitoring.
- 3. Initial Image Capture:** After activating the webcam, students will be required to capture an initial image of themselves. If the image is clear and properly framed, they will be allowed to begin the quiz


attempt.



Start attempt ×

Notice - Ensure you are in a well-lit environment with your face clearly visible and free from shadows. Sit in front of a plain or uncluttered background without any movement or distractions. Position your camera at eye level to capture your full face clearly, avoiding any obstructions.

Please capture your image and upload ID proof



I consent to webcam monitoring and recording for proctoring during this quiz.

Take picture

Please upload a picture of your Photo ID

4. **Taking the Quiz:** Once they have successfully captured their initial image, students can start the quiz. Throughout the quiz,

multiple images will be captured based on the time interval set by the instructor. These images will be compared with the initial image to ensure that the correct individual is taking the quiz.

5. **Monitoring:** Students should be aware that their activity is being monitored, and any suspicious behavior may trigger warnings.
6. **Post-Quiz Review:** After completing the quiz, students will not have access to their captured images or warnings, as these are reserved for instructors. However, they can check their quiz results and feedback in the usual manner.

## 7. Data Protection and Privacy

The plugin securely stores captured data (images and information) locally on your Moodle server, ensuring it stays within your institution's infrastructure. Take2 Technologies does not have access to or store any of your data.

- **Image Storage Options:** By default, only images that trigger warnings are stored. However, administrators and teachers can choose to store all captured images for a specific quiz by enabling this option in the quiz settings.
- **Manual Deletion Options:** Institutions also have the option to manually delete images linked to specific courses, quizzes, or students. To do this, follow these steps:
  1. Go to the **Proctoring Report** within the quiz.

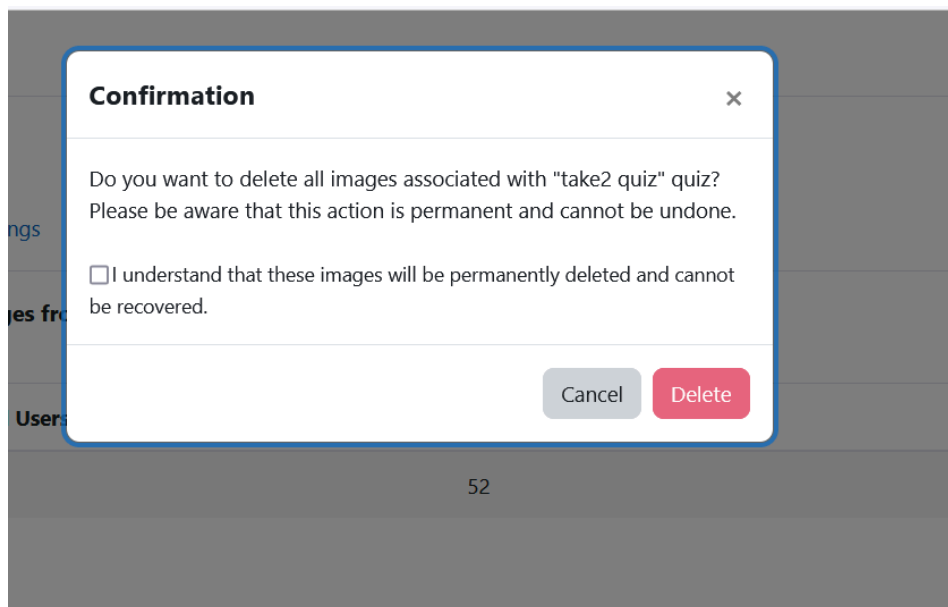
2. Click on the delete icon next to the images you want to remove.

take2 quiz single page

**User Images Report:** You can remove images of a user from this quiz. All related images will be deleted. Proctoring take2 course overall Report

Full Name	Email address	User's Images	Review Attempts	Action
Mahendra Soni	ms@taketwotechnologies.com	24		
s 8	student8@testmail.com	20		
s 3	student3@testmail.com	8		

3. You will see a confirmation box asking for your consent to permanently delete the images. To proceed, you must check the consent box; otherwise, the delete button will remain disabled. Once confirmed, the images will be permanently removed and cannot be restored.



4. There are three types of deletions you can perform:

- **Course Delete:** Removes all proctoring images associated with a specific course.
- **Quiz Delete:** Removes all proctoring images associated with a specific quiz.
- **Student Delete:** Removes all proctoring images related to a particular student.

This manual deletion process only affects the proctoring images and does not impact any other data.

## 8. FAQs And Troubleshooting

1. Do I need a ProctorLink API key and Secret key?
  - a. Starting from version 4.4.1 and above, you no longer need to manually obtain or configure the API key and Secret key. We now provide pre-configured demo API Keys bundled with the plugin. Simply install the latest version, and you're ready to use it immediately. For advanced configurations or production use, please contact us at - [support@proctorlink.com](mailto:support@proctorlink.com)
2. Why does the 'Start Attempt' modal show a 'No face detected' warning?
  - a. Please allow 'webcam access' from your browser settings.
  - b. For chrome, enable 'camera access' from the video icon on the right side of the address bar. For safari, in the safari browser, go to preferences, and click 'allow' for your website to access the camera.

3. As a student, Why am I getting the warning 'The quiz is not properly configured. Please contact the site administrator.'
  - a. For a properly configured quiz, the plugin requires a mandatory 'ProctorLink API key and Secret key' to be set up in the 'Moodle Proctoring.'
4. Where can I report an issue regarding this plugin?
  - a. Please raise your issue on:  
[https://github.com/taketwotech/moodle-quizaccess\\_quizproctoring/issues](https://github.com/taketwotech/moodle-quizaccess_quizproctoring/issues)
5. Why am I unable to use this plugin on localhost?
  - a. Due to security reasons, cameras work only on https.
  - b. You can go through the link: [steps to allow the camera on the local host](#).
6. Why am I unable to see Proctoring Images and Proctoring Identity Buttons for any user?
  - a. Make sure you have Proctoring Images Show checkbox marked in Site administration -> Plugins -> Activity modules -> Quiz -> Moodle Proctoring.
  - b. Make sure you are allowed the user role permission named View the Proctoring Images and Proctoring Identity buttons.
7. Why only the main image is showing in the Proctoring Images button?
  - a. If the user did not get any warning during the quiz then the Proctoring Images button will display the main image only.

8. Why am I unable to see the Proctoring Identity button for any user?
  - a. Since the Photo ID field of the 'Start Attempt' modal has been made optional the Proctoring Identity button will not appear if the participant has not uploaded the photo ID.
9. Is any data stored by ProctorLink?
  - a. No, ProctorLink does not store any data on our servers. All proctoring-related data—such as captured images, logs, or other session information—is stored only on your institution's Moodle™ server. The data remains entirely within your infrastructure, and ProctorLink has no access to or storage of your data.
10. What is the Proctoring Report feature in the proctoring plugin?
  - a. The Proctoring Report feature provides detailed logs of proctored sessions, including warnings, session durations, and images captured during the exam. This helps administrators and teacher to review and analyze user behavior for maintaining exam integrity.
11. Can I view captured images in the Proctoring Report?
  - a. Yes, you can view images captured during the exam. These images are displayed in the report to help identify any suspicious activities.

12. How are warning images displayed in the Proctoring Report?
  - a. Warning images are highlighted in the report along with their corresponding warnings and images, making it easy for administrators and teachers to review them.
13. Can multiple proctors view live students at the same time?
  - a. By default, only one proctor can view a student live in a particular quiz. However, if you want multiple proctors to monitor different sets of students simultaneously, you can use the **Grouping feature**. This allows administrators to assign students and proctors into structured groups so each proctor supervises only their assigned students during live exams.

## 9. Updates and Support

**Updates:** For the latest features, improvements, and security updates, we recommend checking our plugin page regularly.

**Support:** Our support team is ready to assist via email at

[support@proctorlink.com](mailto:support@proctorlink.com)

## 10. Best Practices for Users

To maximize the effectiveness and integrity of the Moodle Proctoring plugin, users should adhere to the following best practices:

### 1. Prepare the Environment:

- Ensure a well-lit and quiet space for taking quizzes to minimize distractions and provide clear visibility for the webcam.
- Position the camera at eye level to ensure a clear view of the face.

## **2. Test Technology in Advance:**

- Prior to the quiz, test the webcam and microphone functionality to confirm they are working properly.
- Check your internet connection for stability to avoid interruptions during the exam.

## **3. Follow Instructions:**

- Read and follow all instructions provided by the instructor regarding proctoring settings and requirements.
- If prompted, complete any pre-quiz identity verification steps promptly and accurately.

## **4. Avoid Suspicious Behavior:**

- Refrain from leaving the camera view or switching tabs during the quiz, as this may trigger warnings.
- Ensure that no unauthorized materials are present in the testing area, as the plugin will monitor for any potential cheating attempts.

## **5. Communicate with Instructors:**

- If you encounter any issues during the quiz (e.g., technical difficulties), inform the instructor immediately if possible.

- After the quiz, feel free to ask for feedback or clarification on any warnings that may have been issued.

## **6. Maintain Privacy:**

- Understand your rights regarding data privacy and the storage of captured images. Familiarize yourself with the institution's data retention policies.

## **7. Review Results:**

- After the exam, check your results and feedback through the standard Moodle channels. While you won't have access to captured images, instructors can provide insights into your performance and any flagged behavior.

## **11. Conclusion**

This doc provides a clear picture of the ProctorLink For Moodle Proctoring plugin. It's a reliable tool for ensuring the integrity of online exams while protecting student privacy. To sum it up, this plugin is a valuable asset for any institution that wants to maintain the credibility of its online assessments.