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Optimizing online assessments

How to integrate SecureProctor with LMS



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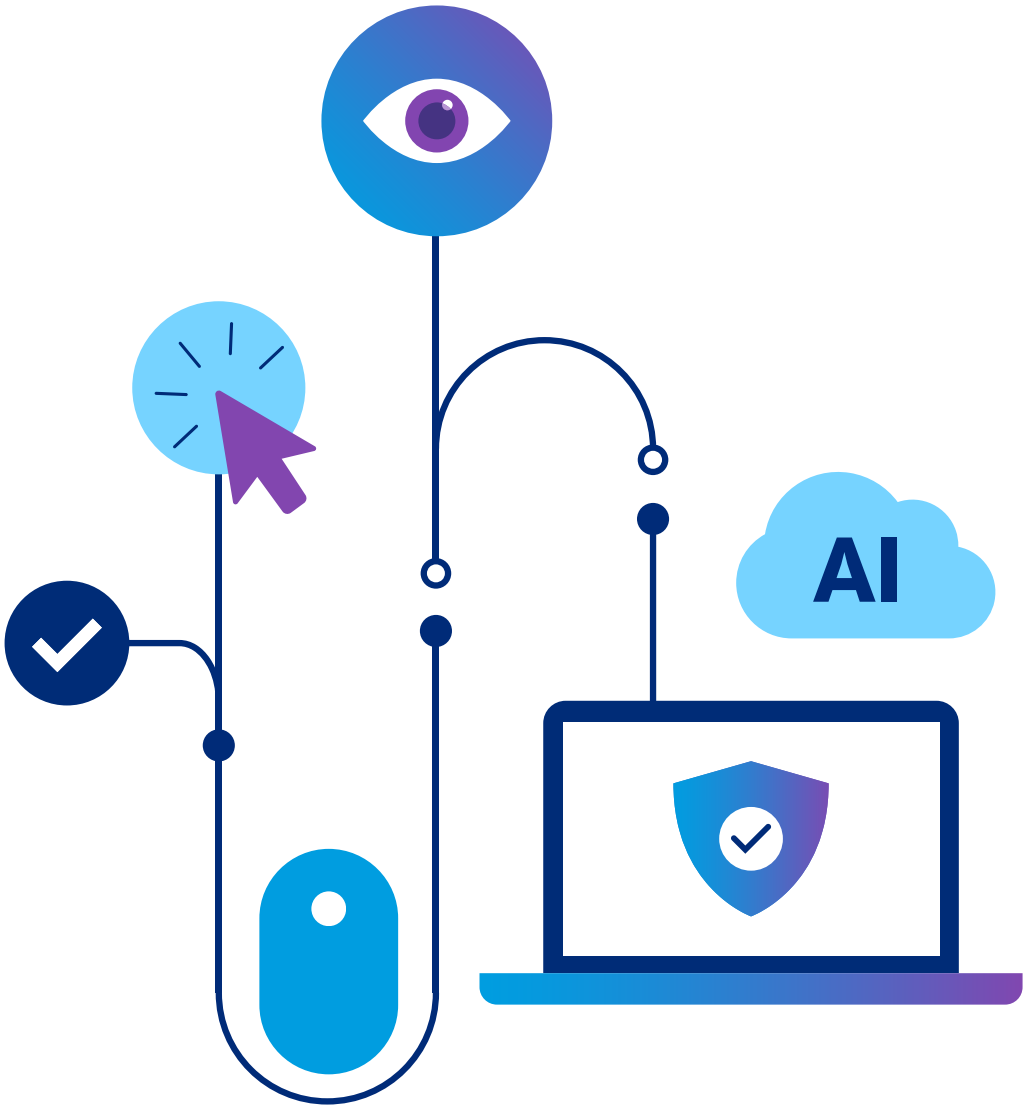
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Introduction

SecureProctor is a futuristic cloud-based proctoring solution that allows secure online examinations in universities and educational institutions.

The solution is powered by anti-cheating technology and a robust infrastructure for security, which integrates with the LMS seamlessly.

The integration is smooth and achieved within minutes, ensuring an engaging user experience.



Features of SecureProctor

SecureProctor helps universities and institutions conduct online examinations seamlessly while maintaining exam integrity and authenticity.



Candidate authentication

Before the online examination commences, SecureProctor enables multi-step candidate authentication. The candidate has to show a photo ID to the human proctor on the screen, which is then matched with the candidate giving the examination. A quick OTP verification after this further ensures that the right candidate is taking the exam. This helps eliminate impersonation during online tests.



Lockdown mode

Once candidates start their exam after authentication, a lockdown mode begins.

In this lockdown mode, the following settings are enabled:

- The test taker enters a full-screen mode, and multi-window access is restricted to eliminate chances of cheating.
- The test taker cannot navigate from the screen to another PDF or an open file.
- During this time, chrome extensions are turned off to avoid cheating and misconduct.

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Robust proctoring

SecureProctor provides a mix of human plus AI proctoring:

AI proctoring:

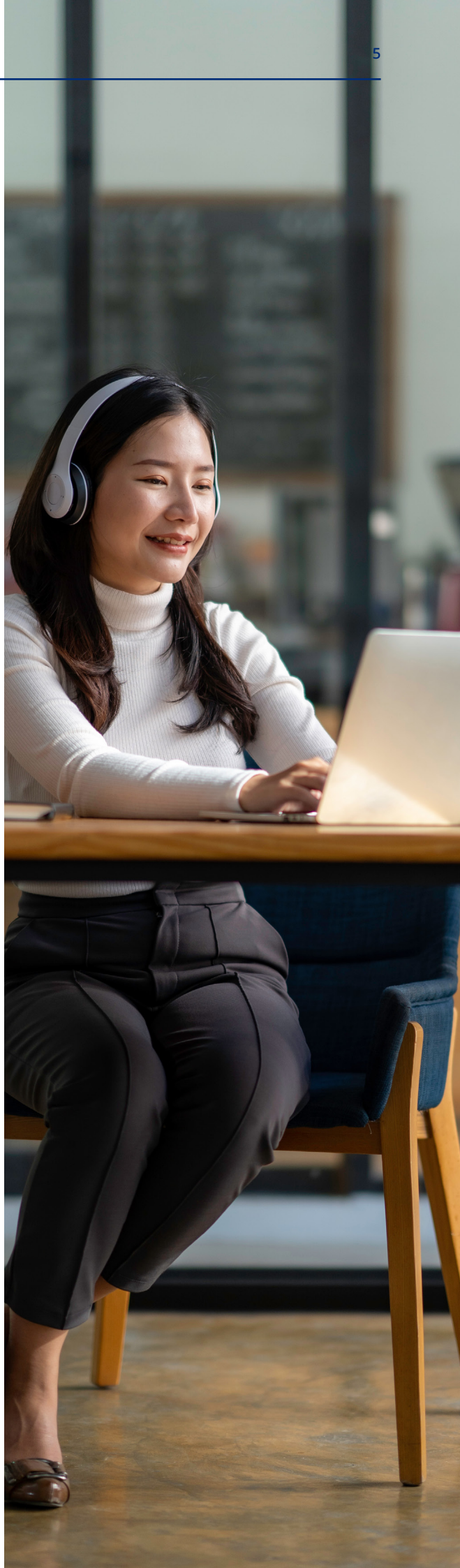
AI helps automate the remote proctoring process. It generates flags using voice detection, facial detection, mobile phone detection, and away-from-screen notifications.

Human proctoring:

When a human proctoring layer is added, invigilators can monitor candidates and record and review their sessions. One invigilator can proctor one candidate or multiple candidates, depending on the examination requirements.

SecureProctor offers robust remote proctoring features to ensure exam authenticity and integrity.

- It captures every candidate's screen at regular intervals. This helps human proctors revisit the report later and ensure exam authenticity.
- The invigilator can utilize video recording settings to record the test taker's screen during the examination. This video can be later reviewed to check flags generated by the AI proctor.
- The examiner can utilize speech and audio recording features to evaluate whether someone is speaking in the background.



How to set up SecureProctor on your LMS for seamless online examinations?

1 To activate SecureProctor, go to your Learning Management System (LMS) and find the System Admin.

2 Visit the Administrator Panel, and under the Integrations section, click on LTI Tool Providers.

3 On the LTI Tool Providers page, there are three options. Select the second one, Register LTI 1.1 Provider.

4 Now, complete the form and add the following details:

- Enter lti-mpaas.mettl.com as the Provider Domain.
- Choose Approved for Provider Domain Status.
- For Default Configuration, opt for Set Globally.
- Input your public and private keys as the Tool Provider Key and Tool Provider Secret, respectively.
- Under Submit User Data, select Send user data over any connection.
- Choose all three options under User Field To Send and click Submit.

5 This will create the SecureProctor tool under your LTI Tool Providers.

6 Now, create a placement for SecureProctor. Click Next to make the name of the tool in the list of LTI Providers and choose Manage Placement.

7 In the new window, select Create Placement.

8 Fill in the form using the following information:

- Provide a name under the Label for the placement.
- Enter a unique identifier name in the Handle field.
- Set Availability to Yes and Type to Course Content Tool.
- For the Tool Provider Link, visit our support section.

9 Add the final details, Tool Provider Key and Tool Provider Secret, and click Submit. The placement for SecureProctor will be created.

10 After the tool is created, the next step is to add it to an assessment. Ensure logging in as an instructor with the Edit Mode set to ON.

11 Navigate to the Content option, and in the Content Panel, select Build Content and click on the SecureProctor tool.

12 A form will appear. Provide a name, leave other settings as default, and select Submit.

13 After submitting, the tool will be added to the Content Panel. To verify that it's functioning correctly, click on it, and it will redirect to the Reports Page.

14 It is also possible to access the Chrome Plugin, which should show the user logged in as a Professor.

15 To enable proctoring settings, click on the tool and log in as the professor. Return to the Content Panel by clicking on the Content option.

16 On the Content Panel, right-click on the assessment and choose Edit from the menu. Scroll down to find the SecureProctor Setting toggle switch and select ON. There will be additional options; select the ones required.

17 Finally, scroll down, enter a Password, and select Submit. Now, SecureProctor will proctor students based on the selected settings when they take the assessment.

SecureProctor uses both AI and human proctoring for exam integrity. Human proctors can use SecureProctor features in the following way:

18 While a test is in progress, proctors can log in on mpaas.mettl.com using the credentials provided by the admin.

19 Proctors can access a dashboard with options to view Live Feed, Reports and Groups. Select Live Feed to find the exam list. Test takers are divided into Live Feed and Authorization according to proctoring settings.

20 The Live Feed Dashboard helps proctors see the number of assigned students. Test-takers are displayed as tiles, with snapshots taken from their webcams. If AI flags something, the tile border turns red for quick identification.

21 Proctors can expand the tile into the Live Proctoring Window containing two view options: Live Feed Screen and User Details. The Live Feed Screen allows proctors to view snapshots from the test timeline, while User Details gives snapshots submitted by the test-taker.

22 Proctors can chat with students or make announcements through the panel.

Additional information:

23 To download bulk reports, log in to mpaas.mettl.com and select Reports. Use filters to specify criteria for students' data that needs to be included in the report.

24 Students taking the test, only need to log into the LMS, select the test, grant necessary permissions, submit a snapshot and ID, and begin the quiz.

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Conclusion



Using SecureProctor's seamless proctoring controls, including AI and remote monitoring, browser lockdown, and candidate authentication, institutes and universities can ensure online examination integrity.

It is essential to understand the steps to integrate existing LMS with SecureProctor and offer an optimum experience to test takers and invigilators.

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