



# BRAIN STATION 23

## Attendance by Face

User Manual

Brain Station 23

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# Moodle Attendance By Face Plugin User Manual

## Introduction

Within this plugin, students have the capability to mark their attendance for individual courses by simply clicking the designated attendance button. This action is only permissible during an ongoing session initiated by the instructor for the respective course. Upon activation, a modal window will be launched. Within this modal, the webcam functionality will be activated, capturing student photos for comparative analysis. These images will then be matched against the images uploaded by the teacher into the Moodle database.

## Getting Started

Welcome to the installation guide for Attendance By Face, block plugin. Following these instructions will enable you to obtain a copy of the project and successfully run it on your machine.

## Install by downloading the ZIP file

- Download zip file from Moodle plugins directory or GitHub.
- Unzip the zip file inside blocks folder of your moodle project directory.

```
{moodle folder}/blocks/
```

or

- Upload the zip file in the install plugins options from site administration.

```
Site Administration → Plugins → Install Plugins → Upload zip file
```

In your Moodle site (as admin), Visit site administration to finish the installation.

## Install using git clone

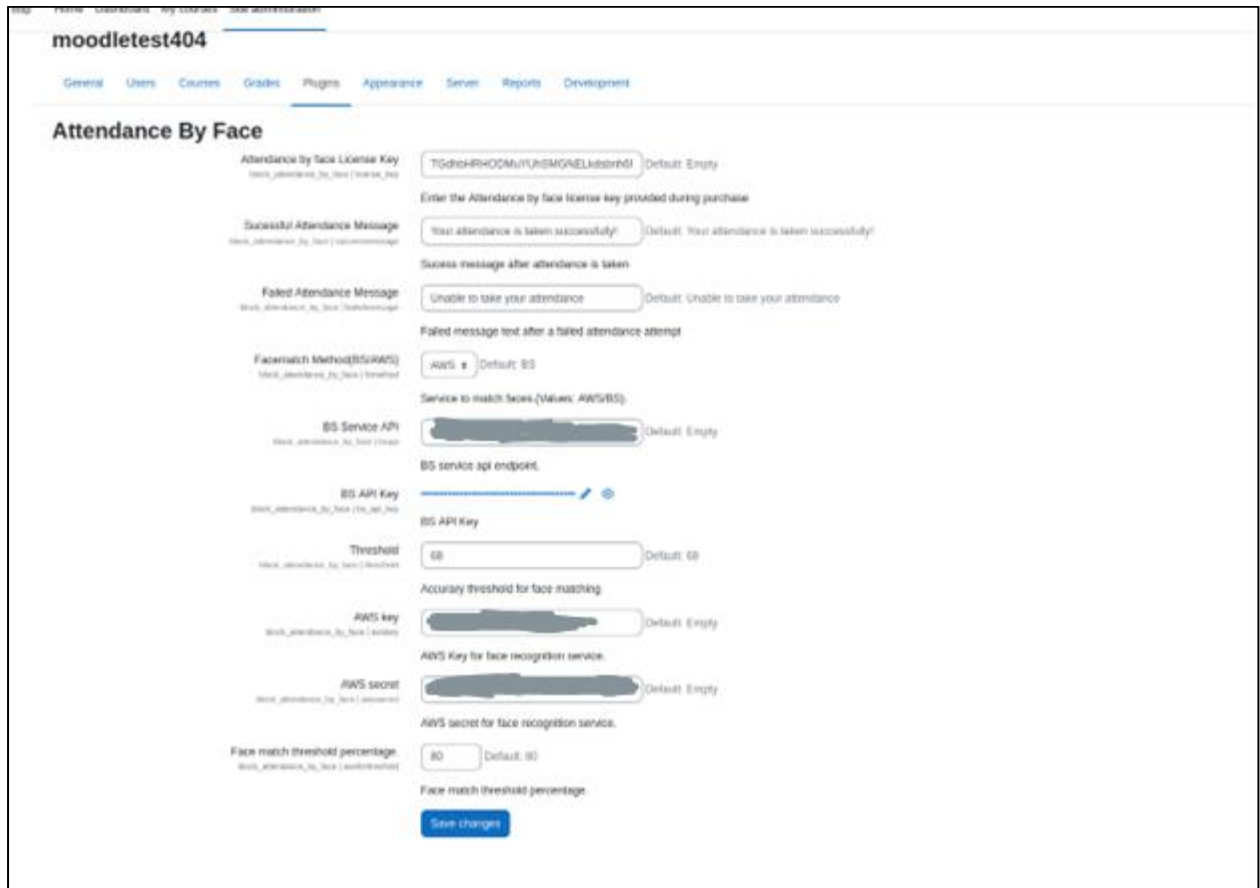
Go to moodle project directory

```
cd {moodle folder}/blocks/
```

and clone code by using following commands:  
`git clone https://github.com/eLearning-BS23/moodle-block_attendance_by_face`

## ⚙️ Configuration

After installing the plugin, you will get a list of option in the settings page.



## Settings

To update the plugin settings, navigate to plugin settings.

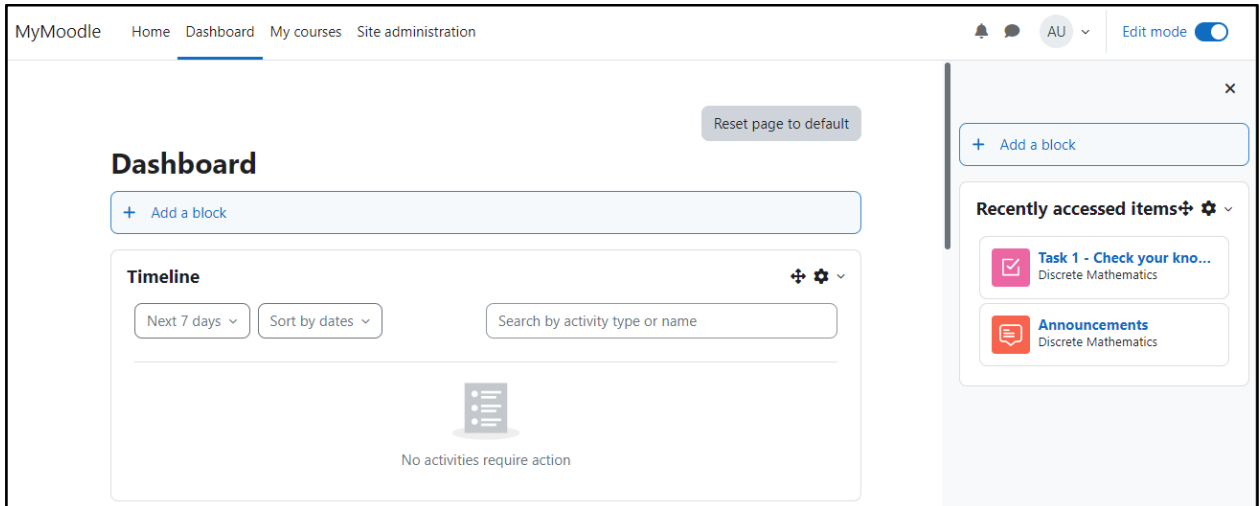
Site Administration → Plugins → Blocks → Attendance By Face



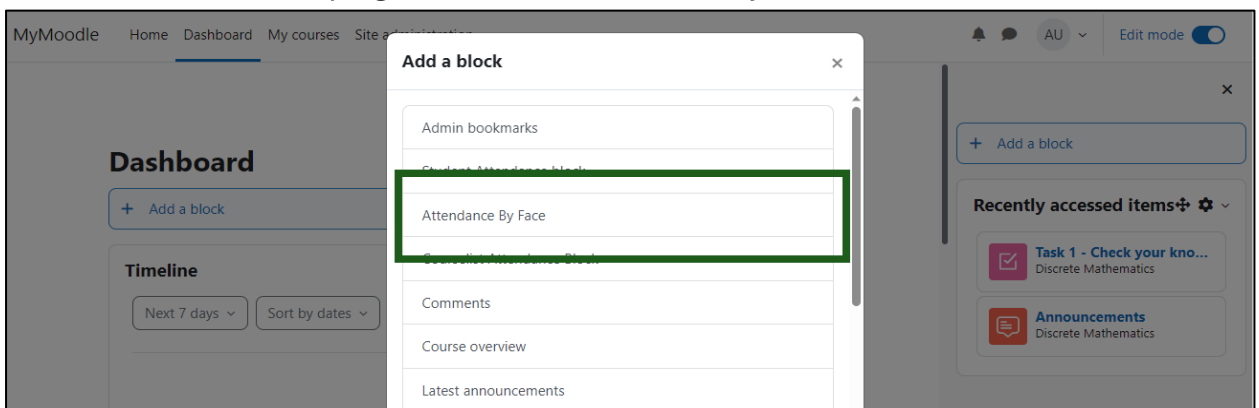
## How to use

### Adding the block plugin

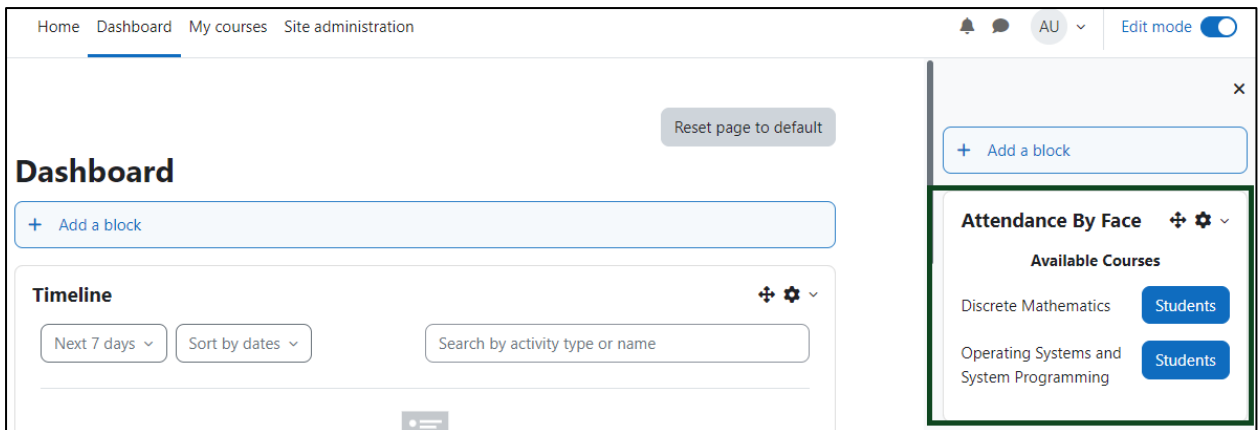
- To add the block plugin enable Edit Mode at dashboard.



- Select the block plugin named as Attendance By Face from this list.

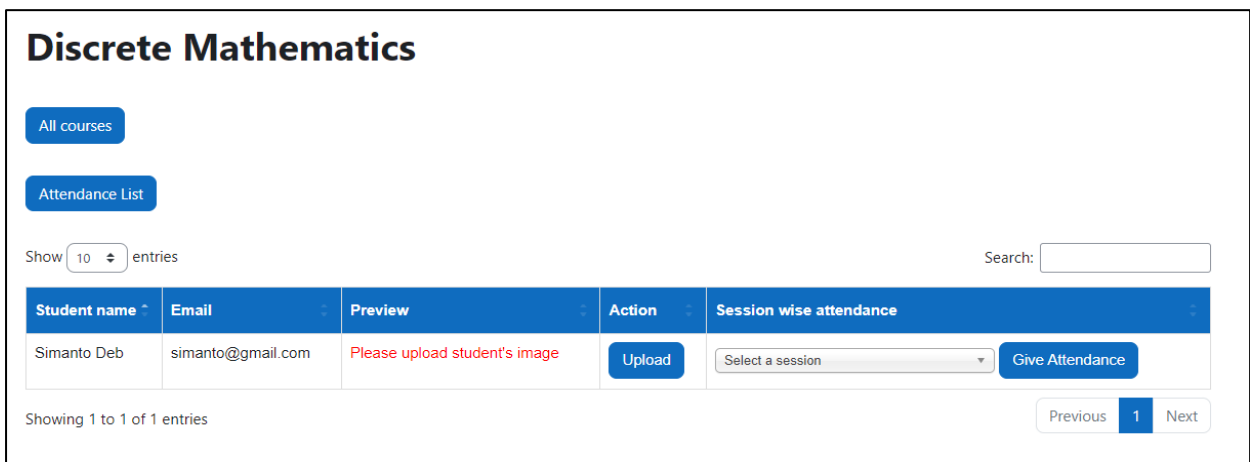


- Block plugin is added successfully.

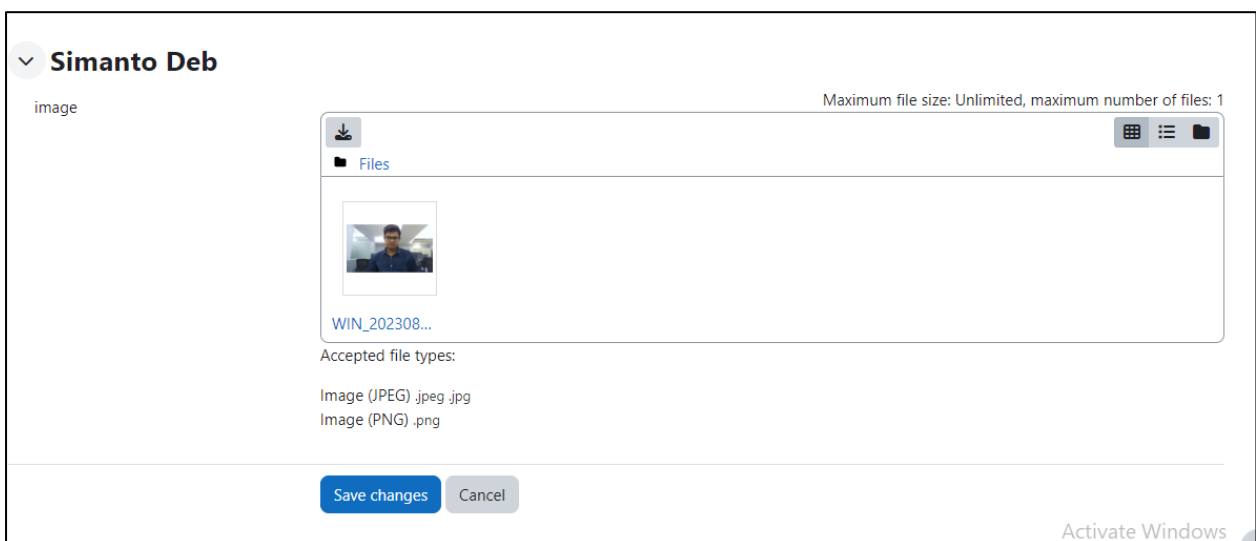


## Adding student's image

- Clicking the students button will redirect to the list of students page.



- Clicking the upload button will take the user to the upload file page.




- After saving the student's picture a preview of that picture will be visible in the student table.

## Discrete Mathematics

All courses

Attendance List

Show 10 entries Search:

Student name	Email	Preview	Action	Session wise attendance
Simanto Deb	simanto@gmail.com		<span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 4px;">Upload</span>	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid #ccc; padding: 2px 5px; border-radius: 4px;">Select a session</div> <span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 4px;">Give Attendance</span> </div>

Showing 1 to 1 of 1 entries

Previous
1
Next

## Starting session for a course

Clicking the students button will redirect to the list of students page.

## Discrete Mathematics

All courses

Attendance List

Show 10 entries Search:

Student name	Email	Preview	Action	Session wise attendance
Simanto Deb	simanto@gmail.com	Please upload student's image	<span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 4px;">Upload</span>	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid #ccc; padding: 2px 5px; border-radius: 4px;">Select a session</div> <span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 4px;">Give Attendance</span> </div>

Showing 1 to 1 of 1 entries

Previous
1
Next

- Click All Courses button to see list of courses. Then click Start button to start a session for the specific course.

## Available Courses

Show 10 entries Search:

Course name	Access	Attendance Window
Discrete Mathematics	<a href="#">Student list</a>	<a href="#">Start</a>
Operating Systems and System Programming	<a href="#">Student list</a>	<a href="#">Start</a>

Showing 1 to 2 of 2 entries Previous 1 Next

- Session is started.

Session started! ×

## Available Courses

Show 10 entries Search:

Course name	Access	Attendance Window
Discrete Mathematics	<a href="#">Student list</a>	<a href="#">Stop</a>
Operating Systems and System Programming	<a href="#">Student list</a>	<a href="#">Start</a>

Showing 1 to 2 of 2 entries Previous 1 Next

### Giving attendance from student's end

- Student have to add the block plugin as the same way mentioned before. Click to see
- For a running session the course name will appear at this block with an Attendance button.

Home [Dashboard](#) [My courses](#) SD Edit mode

## Dashboard

**Timeline**

Next 7 days  Sort by dates  Search by activity type or name

No activities require action

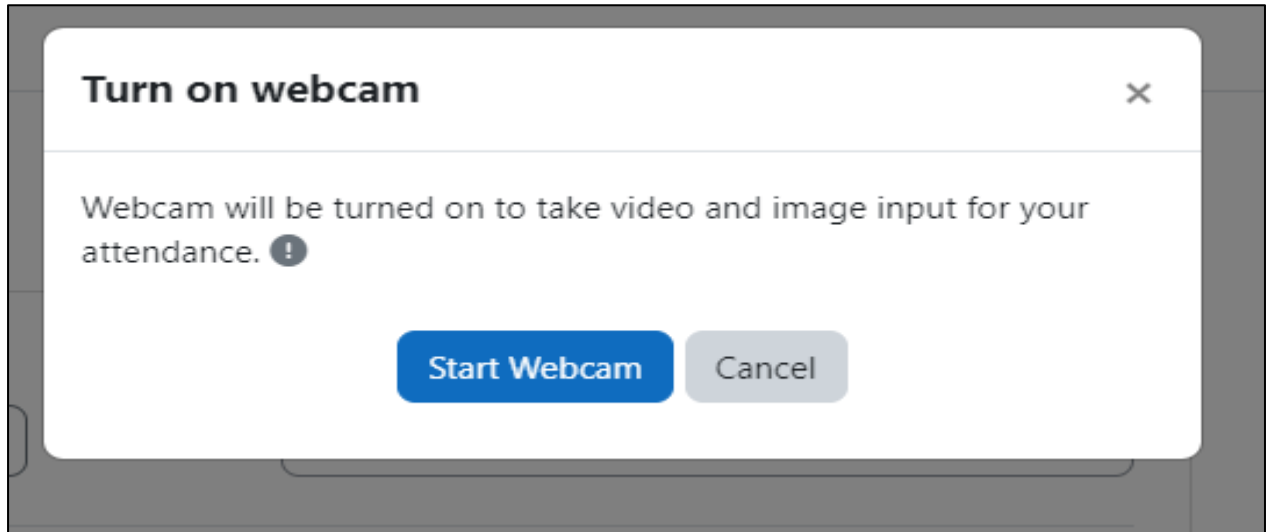
**Attendance By Face**

Discrete Mathematics [Attendance](#)

**Recently accessed items**

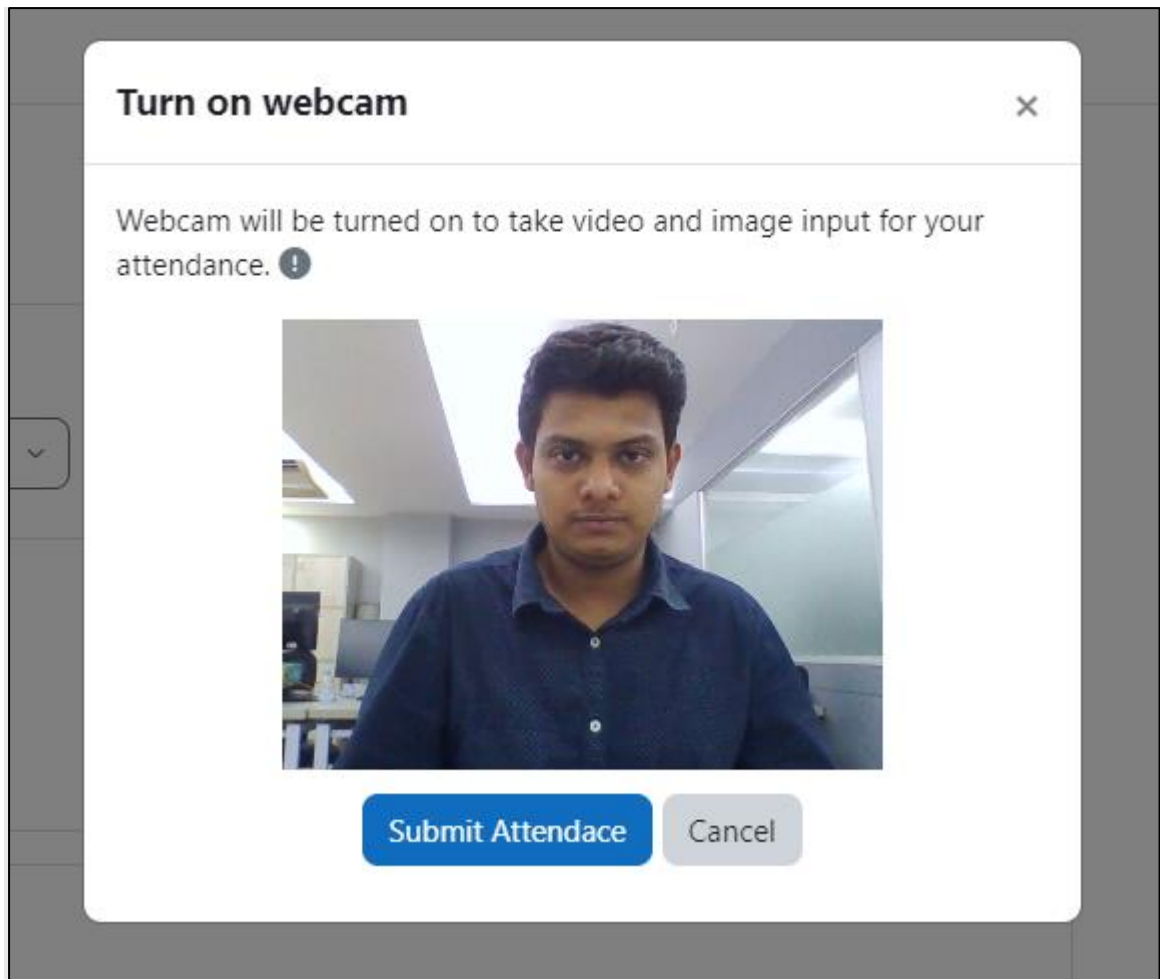
[Task 1 - Check your kno...](#)  
Discrete Mathematics

- Clicking on the Attendance button will open a modal that will ask permission to start the webcam and after giving permission student will be able to give attendance.

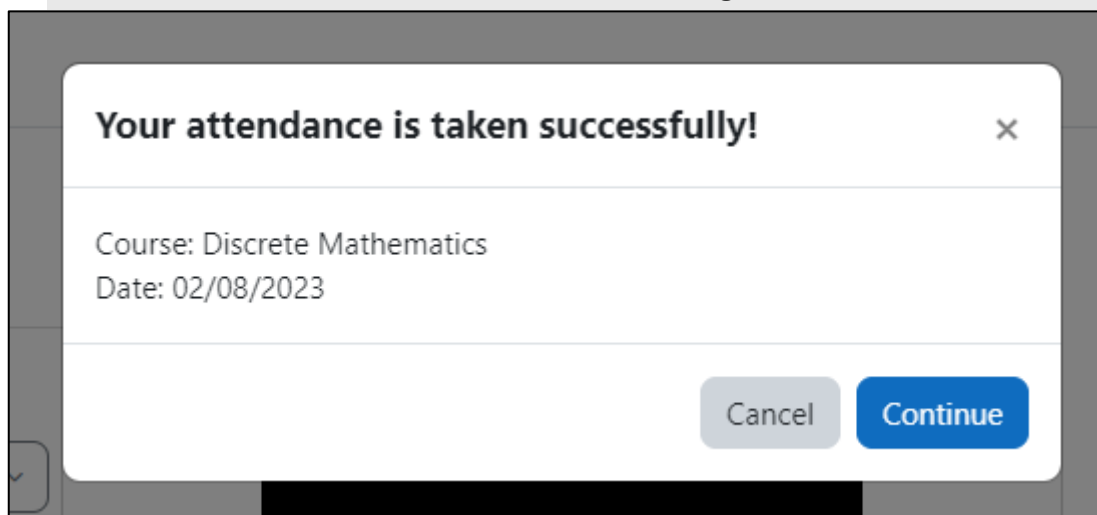


Failure Message for wrong credentials






Successfull Message




Failure Message for wrong credentials

Student name	Email	Preview	Action	Session wise attendance
Simanto Deb	simanto@gmail.com		<input type="button" value="Upload"/>	<input type="text" value="Select a session"/> <input type="button" value="Give Attendance"/>

### Turn on webcam

✕

Webcam will be turned on to take video and image input for your attendance. !



Unable to take your attendance.

### Giving attendance from teacher's end

Teachers can simply select the particular session from the students list and enter Give attendance button.

### Attendance List

From the list of students user can navigate to list of attendance by clicking Attendance List button.

All courses
Student list

From:  To:   Ascending  Descending Check

Show  entries Search:

Time	Session id	Session name	Student name	Email	Attendance
08-02-2023 16:39:41	1690969174	C2-2023/08/02-1	Simanto Deb	simanto@gmail.com	Present
N/A	1690969184	C2-2023/08/02-2	Simanto Deb	simanto@gmail.com	Absent

Showing 1 to 2 of 2 entries Previous 1 Next

Export:  Download

## FAQ's:

### 1. How can I upload a student image?

At the list of students, an upload button is given to upload student image.

### 2. How can I give attendance manually?

At the list of students, Give attendance button is given to give attendance manually. Remember to select the correct session first.

### 3. Can the students upload their own images?

No, only admins can access.

### 4. Where can I get the BS Service API credentials?

Please contact here: [elearning@brainstation-23.com](mailto:elearning@brainstation-23.com) for a trial key.

### 5. As a student, why can't I validate my face to give attendance?

Student's image must be uploaded by an admin in the moodle to validate their face.

### 6. Why my students can't see any message when they click on the attendance button?

Please inform them to refresh the site and try again.

### 7. Why my students are getting failed messages?

Every user image and object in front of the webcam needs to have a face that can be detected. Please make sure the image is bright enough and there is no multiple face in that image.

## Author

- Brain Station 23 Ltd.

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