



# BRAIN STATION 23

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MOODLE ALAP SCHEDULAR

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## About Brain Station 23

Brain Station 23 is a team of talented developers. We pride on being one of the top IT giants in the industry. By implementing the latest and the most innovative technologies we work on challenging projects to offer comprehensive solution meeting every last need of our clients.

We combine the finest technical craftsmanship with elegant and functional design to ship innovative digital experiences. We have a track record of building successful web and mobile applications for our clients. From 2006 the company started providing services in the local market alongside the offshore clients.

Empowered with 700+ professionals, Brain Station 23 carries a strong pull of globally recognized professionals certified by Microsoft, Oracle, PMP and other (AWS, CCNA, ZEND, etc.) large tech giants and software platform embodies. The result is a hub of enthusiastic individuals who encourage each other with continued excellency. Our talents include certified personnel like Microsoft MVP, Code Project MVP, MCP, MCTS, CEH, CHFI and so on.

### ▶ Industries we worked with

Our experienced team of skilled engineers & developers have served clients in different industries including -

Banking & Finance, Software Companies, Real Estate, Retail, Telecom, Pharma, Education, Healthcare, Furniture & Non-Profit

### ▶ Awards & Recognitions

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BASIS National ICT Award 2017, 2018, 2019,2020.

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BASIS National ICT Award 2018 (Won in 3 category- Fintech, Real-estate, Transportation)

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The Daily Star ICT Award, Winner of 2017 best ICT solution provider on International Market Focus

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Best Outsourcing Organization 2013, 2014 & 2015 by BASIS

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HSBC Exporter of the Year 2013

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Code Warrior Challenge 2014

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### ▶ Industry Standards

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ISO 9001:2015

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ISO 27001:2013

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## Technical Expertise

- PHP
    - Moodle
    - Laravel
    - Symfony
    - Drupal
    - WordPress
    - CakePHP
- Adobe
    - Adobe experience cloud
    - Analytics
    - Campaign
- Mean Stack
    - Node.js
    - Angular
    - Express.js
    - Jade
    - React
- Database
    - SQL Server
    - PostgreSQL
    - MongoDB
    - MySQL
    - PostgreSQL
    - RavenDB
    - Oracle
- Server & Cloud
    - Weblogic
    - Nginx
    - Sun One
    - AWS
    - Azure
    - Google
- Microsoft
    - Microsoft ASP.net
    - Web Form
    - ASP.net
    - Web API/MVC 4
    - SharePoint
    - 2013/2010
    - SignalR
    - C#
- BI, ML, AI
    - Microsoft Power BI
    - SSIS (Data Warehouse)
    - Hadoop
    - Oracle BI
    - Azure ML Studio
    - Python pandas & scikit
- Python
    - Django
    - Flask
    - Fast API
    - Odoo
- Mobile Platform
    - iOS – iPhone/iPad (Native)
    - Android (Native)
    - React Native
    - Ionic
    - Flutter
    - Xamarin
    - Unity 3D
- Java
    - Spring.io
    - Spring Batch
    - Hibernate
    - Jasper Report
    - Maven
    - Axis 2
    - JSTL
- JavaScript
    - MVC/MVVM Framework
    - React
    - Angular.js
    - Node.js
    - Express.js
    - Jade
    - Vue.js
- AR/VR
    - Unity 3D
    - Vuforia
    - Unreal Engine
    - AR core
    - AR kit
    - Open VR
    - Maxst
    - DeepAI
- Testing Automation
    - Selenium
    - Cypress
    - Appium
    - Cucumber
    - Katalon Studio
    - Apache Jmeter
    - Postman
- Sales force
    - SFMC
    - Vevea CRM
    - Vevea Vault
    - IQVia Data Connector
- Sitecore
    - Sitecore EXM
    - Analytics
    - Marketing Automation
- Moodle
    - Custom plugin development
    - Theme customization
    - Website optimization
    - Cloud Consultation
    - Mobile app
    - website maintenance
    - Training

# Moodle Alap Scheduler

## Summary

Moodle alap scheduler plugin is an activity module plugin where teacher can easily communicate with his/her students by giving his/her free time in calendar. Student can see those available times and booked that session and can discuss with teacher via Zoom (if zoom credentials given).

This plugin will help to better communication between teachers and students in the course.

## Features

- Teacher's available time in calendar
- Book slots by student.
- Zoom meeting facility inside Moodle component.
- Notification in Moodle and email when student book the slot.
- Different meeting links can be added by teacher such as google meet.

## Installation

Install by downloading the ZIP file:

- Download zip file.
- Unzip the zip file in /path/to/moodle/mod/schedule folder 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.

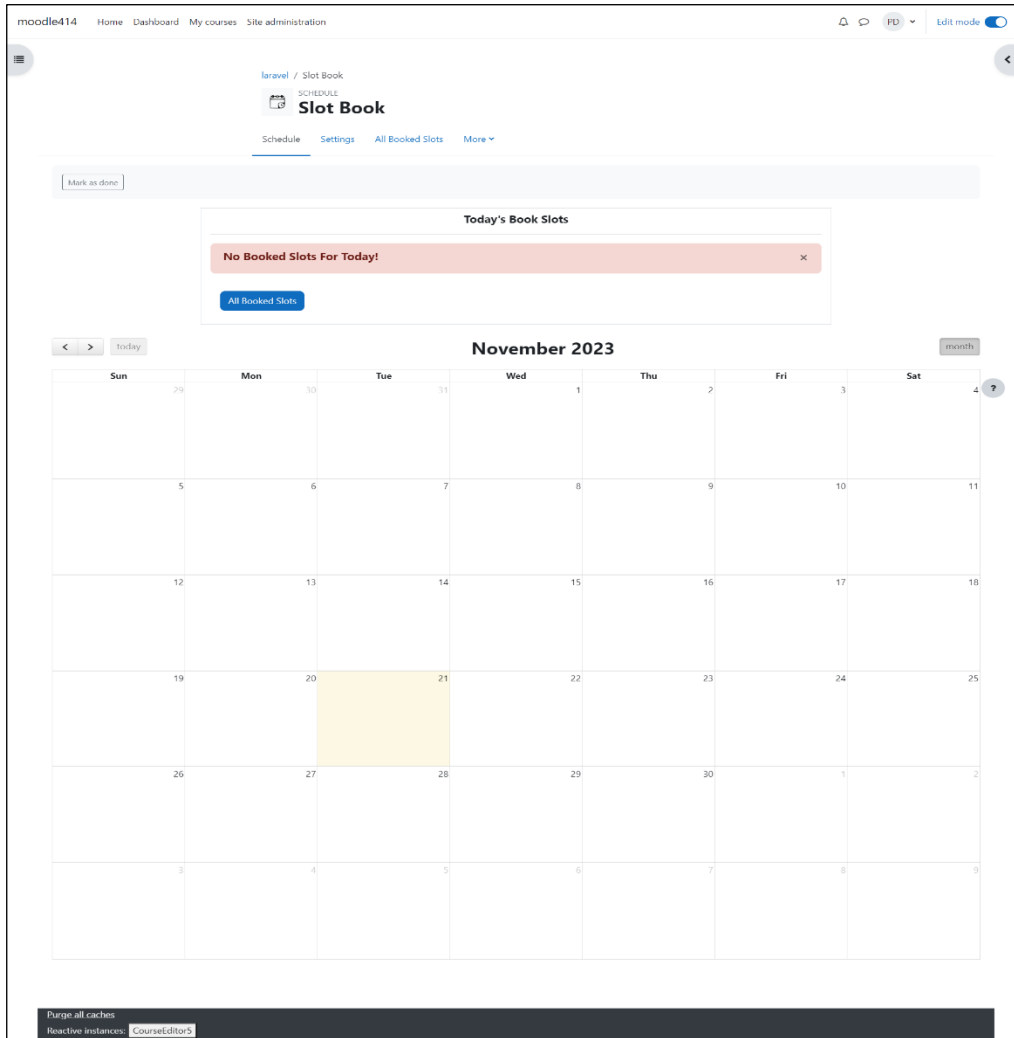
## Configuration

After installing the plugin, you can enable the plugin by configuring the plugin settings:

For obtain zoom credentials you must create an account in zoom marketplace.

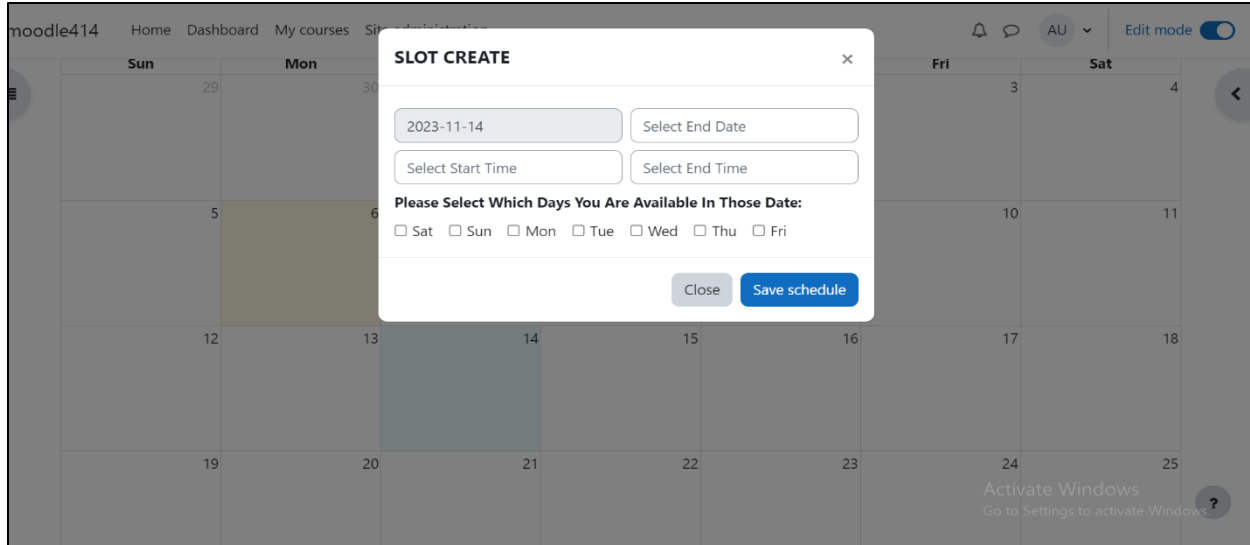
- Get Zoom account id, client id, client secret from <https://marketplace.zoom.us/> (server to server oauth app)
- Get Zoom meeting sdk key and sdk secret from <https://marketplace.zoom.us/> (zoom meeting sdk app)



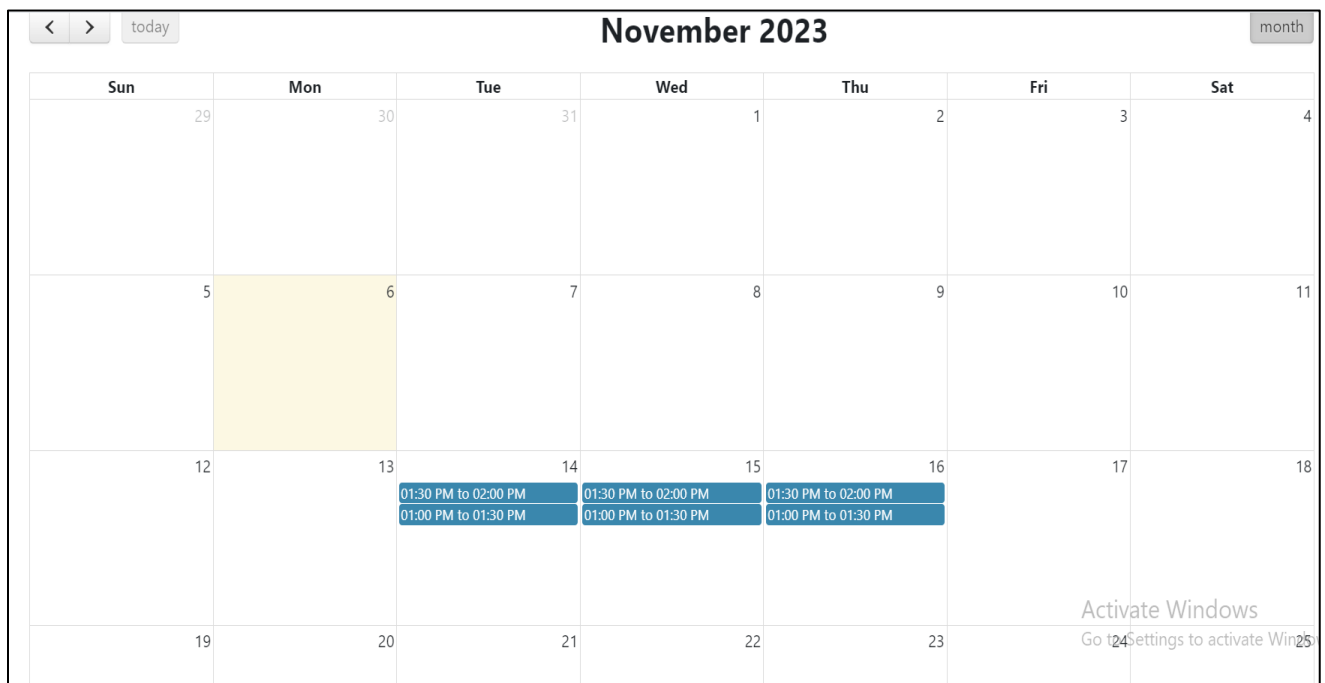


## Creating Slot by Teacher:

- Teacher can create slot by clicking any date in calendar. After clicking date that day will be set as start date and a modal will pop up where he can choose the end date. Also start time and end time indicate his available time and days indicates in which days he is available.

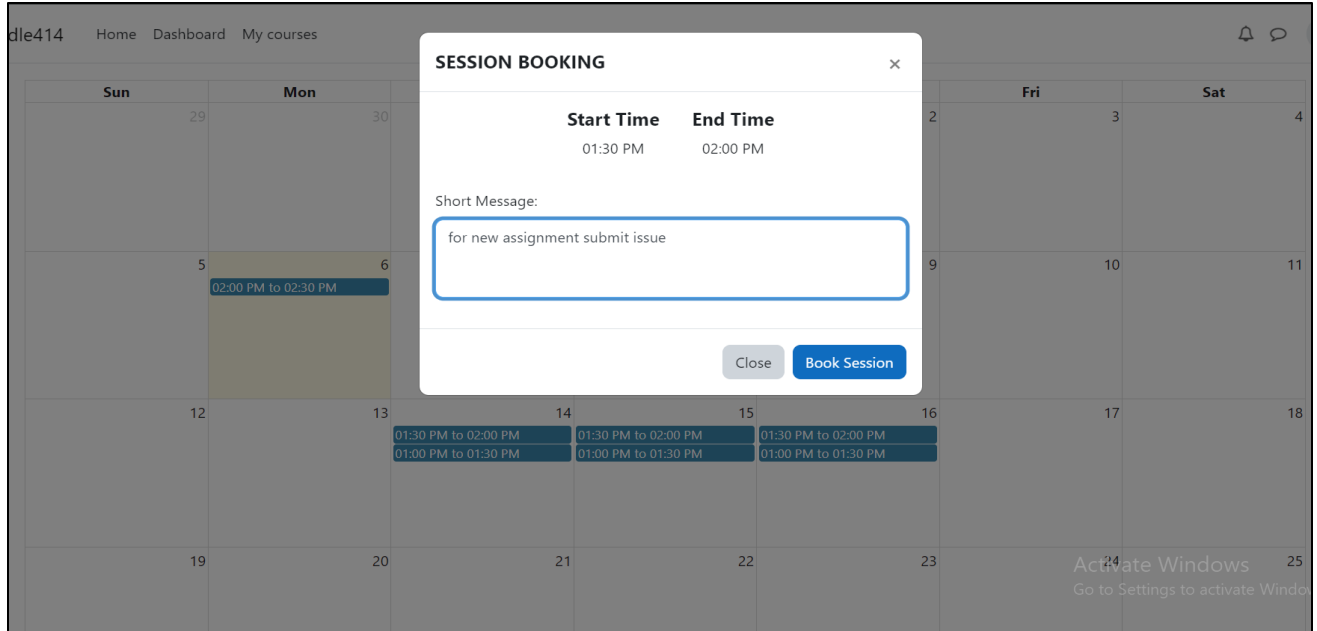


- Display creating slot in calendar.

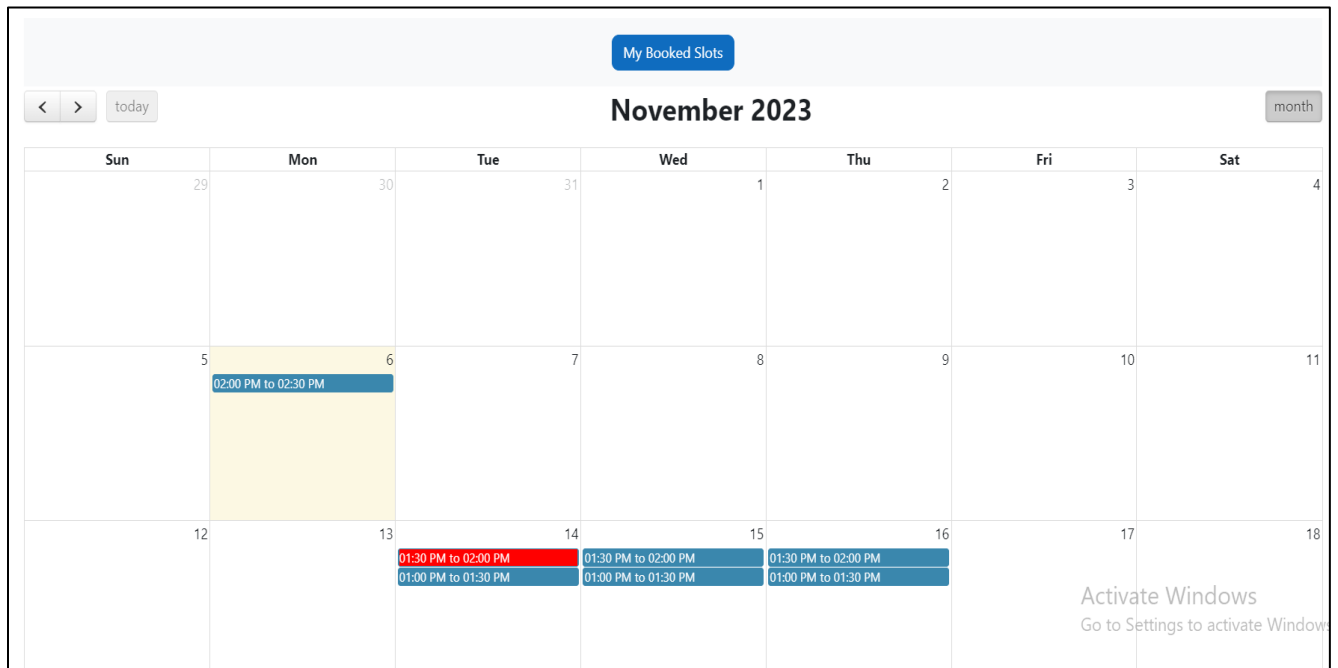


## Booking Slot by Student:

- Student can book a slot by seeing the available slot which is blue in color and clicking that slot a modal window appears where he can see the slot timing and short message if he/she has any. After clicking book session button, the session will get booked after showing a loading spinner and booked slot color will be changed from blue to red.



- Display booked slot as red color in calendar.



- Student can also see his booked slots in the module by clicking ‘my booked slots’ button.



### My Booked Slots

Date	Session Start time	Session End time	Meeting
2023-11-14	01:30 PM	02:00 PM	<a href="#" style="border: 1px solid #ccc; padding: 2px 5px;">Join</a>

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### Teacher View:

- In teacher view, when he clicks booked slot in calendar, he will see the details which student booked the slot. Also, he can see all the booked slots list by clicking ‘all booked slots’ button.

## Samuel Planet

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**Booking Date:** 2023-11-14

**Start Time:** 01:30 PM || **End Time:** 02:00 PM

**Message** for new assignment submit issue

[Start Meeting](#)

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- By clicking All Booked Slots button teacher can see all the booked slots in module.

Student Who Booked Slots						
Student Name	Session Date	Session Start time	Session End time	Message	Meeting	Edit Meeting
Samuel Planet	2023-11-14	01:30 PM	02:00 PM	<a href="#">Message</a>	<a href="#">Start</a>	<a href="#">Edit</a>
Samuel Planet	2023-11-06	02:00 PM	02:30 PM	<a href="#">Message</a>	<a href="#">Start</a>	<a href="#">Edit</a>
Fahim Ahmed	2023-11-15	01:00 PM	01:30 PM	<a href="#">Message</a>	<a href="#">Start</a>	<a href="#">Edit</a>

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Activate Windows  
Go to Settings to activate Windows.

- Teacher can also see current day’s slot booking status in top of all booked slots button.

**Today's Book Slots**

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**Samuel Planet**- 02:00 PM to 02:30 PM [Message](#)

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[All Booked Slots](#)

### Notification to teacher of slot booking:


- When student books a slot teacher will get a notification in Moodle, also he will get an email notification

#### Notifications

- ⏏
🔔
**Booked Session**  
18 mins 26 secs ago
- ⏏
🔔
**Booked Session**  
19 mins 50 secs ago
- ⏏
🔔
**Booked Session**  
1 hour 53 mins ago

⏏
🔔
**Booked Session**  
18 mins 26 secs ago  

Hi Admin User , Fahim has booked the slot of 01:00 PM to 01:30 PM in 2023-11-15


**Fahim Ahmed (via moodle414)** <sqtester035@gmail.com> 14:27 (19 minutes ago)  
 to me ▾  
 Hi Admin User , Fahim has booked the slot of 01:00 PM to 01:30 PM in 2023-11-15

## Zoom Meeting:

### Teacher view

- In the teacher booked page teacher can start zoom meeting by clicking start button which will redirect him to another page where he can start the zoom meeting.

From teacher booked page-

Student Who Booked Slots						
Student Name	Session Date	Session Start time	Session End time	Message	Meeting	Edit Meeting
Samuel Planet	2023-11-06	01:00 PM	01:30 PM	<a href="#">Message</a>	<a href="#">Start</a>	<a href="#">Edit</a>
Samuel Planet	2023-11-07	01:00 PM	01:30 PM	<a href="#">Message</a>	<a href="#">Start</a>	<a href="#">Edit</a>
Fahim Ahmed	2023-11-07	01:30 PM	02:00 PM	<a href="#">Message</a>	<a href="#">Start</a>	<a href="#">Edit</a>

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From individual booked page-

**Samuel Planet**

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**Booking Date:** 2023-11-07  
**Start Time:** 01:00 PM || **End Time:** 01:30 PM  
**Message** new assignment list  
[Start Meeting](#)  
[Back](#)

Start meeting page where teacher can start the zoom meeting-

### Meeting Details

**Samuel Planet**

Date: 2023-11-14  
Time: 07:00 PM to 07:30 PM

[Start Meeting](#)

[Back To All Booked Slots](#)

### Student view

- In the student booked page student can join zoom meeting by clicking join button which will redirect him to another page where he can join the zoom meeting.

### My Booked Slots

Date	Session Start time	Session End time	Meeting
2023-11-06	01:00 PM	01:30 PM	<a href="#" style="border: 1px solid #007bff; border-radius: 5px; padding: 5px 10px; display: inline-block; text-decoration: none; color: #007bff;">Join</a>
2023-11-07	01:00 PM	01:30 PM	<a href="#" style="border: 1px solid #007bff; border-radius: 5px; padding: 5px 10px; display: inline-block; text-decoration: none; color: #007bff;">Join</a>

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Join meeting page where student can join the zoom meeting-

### Meeting Details

Date: 2023-11-14  
Time: 07:00 PM to 07:30 PM

[Join Meeting](#)

[Back To My Booked Slots](#)

## Different meeting links can be added:

Teacher can add/edit the meeting link if he wants. For example, if the teacher wants to create an online session in google meet platform, he can update the link easily and student can join from his end.

Student Who Booked Slots						
Student Name	Session Date	Session Start time	Session End time	Message	Meeting	Edit Meeting
Samuel Planet	2023-11-09	01:00 PM	01:30 PM	<a href="#">Message</a>	<a href="#">Start</a>	<a href="#">Edit</a>
Samuel Planet	2023-11-14	01:00 PM	01:30 PM	<a href="#">Message</a>	<a href="#">Start</a>	<a href="#">Edit</a>
Fahim Ahmed	2023-11-14	07:30 PM	08:00 PM	<a href="#">Message</a>	<a href="#">Start</a>	<a href="#">Edit</a>
Fahim Ahmed	2023-11-14	01:30 PM	02:00 PM	<a href="#">Message</a>	<a href="#">Start</a>	<a href="#">Edit</a>
Samuel Planet	2023-11-14	07:00 PM	07:30 PM	<a href="#">Message</a>	<a href="#">Start</a>	<a href="#">Edit</a>

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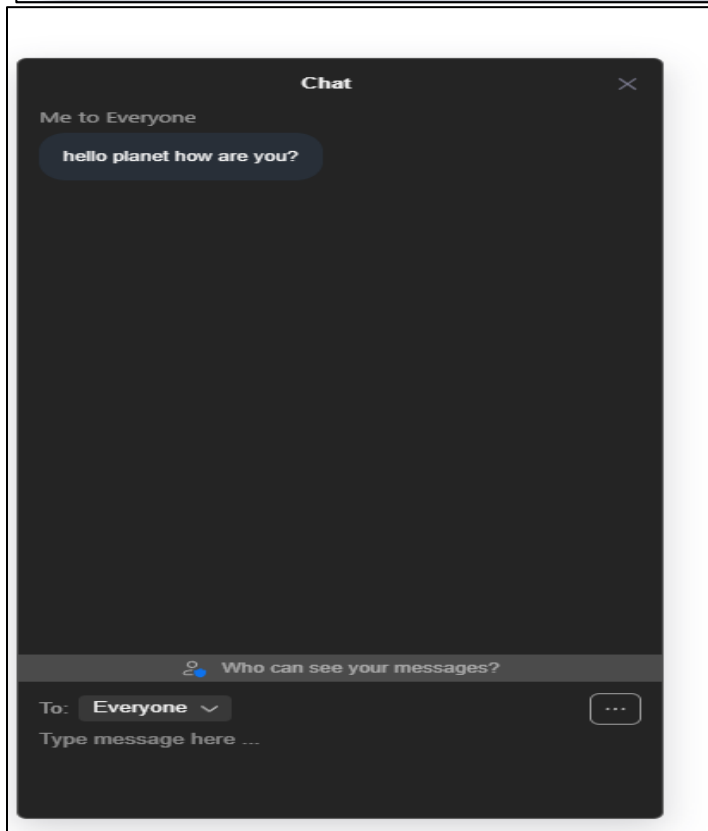
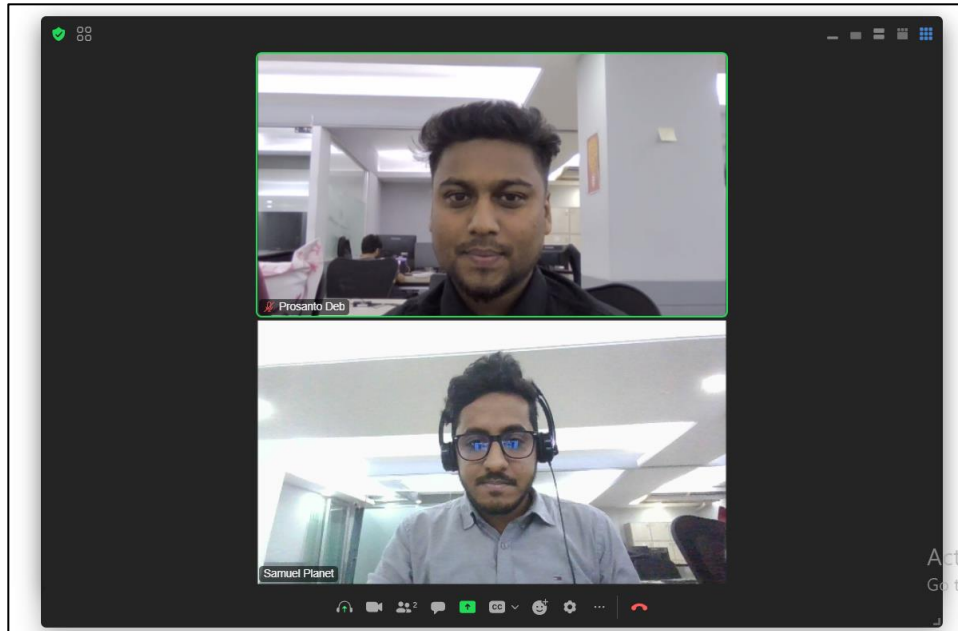
Meeting Link !

[Update Link](#) [Cancel](#)

! Required

## Zoom Meeting Screen Shots:

Zoom meeting will start in Moodle component-



# FAQ

- Can multiple students book the same slot?  
Answer: No
  
- What will be the slot duration?  
Answer: 30 minutes for each slot duration
  
- Can one student book multiple slots in one day?  
Answer: Yes, he can but only if the slot is not booked by others.
  
- How can I get the Zoom account ID, client id, and client secret?  
Answer: You can get from Zoom marketplace's server to server oauth app.
  
- How can I get Zoom meeting SDK key and SDK secret?  
Answer: You can get it from Zoom marketplace's meeting SDK app.
  
- Can multiple students join in Zoom meetings?  
Answer: No, one-to-one meeting can be set.
  
- How can I report an issue regarding this plugin?  
Answer: Contact us at [elearning23@brainstation-23.com](mailto:elearning23@brainstation-23.com).