

Faculty of Computing and Information Technology
Department of Information and Communication Technology
Bachelor of Information Technology (Honours) in
Software Systems Development Year 2 Semester 2
Academic Year 2024/2025

BMIT2023 Web and Mobile Systems **Short Report**

Project Title	:	Attendance Tracking System
Tutorial Group	:	RSD2(S2) - Group 1
Team Members	:	Cho Choong Kit 24AMR09990 Lim Chin Ping 24AMR09995 Wong How Wai 24AMR09999
Tutor	:	Ms. Amy Ling Mei Yin

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1. System Modules Outline

* Additional Features are highlighted in green

<p>1. Security</p> <p>PIC: Lim Chin Ping</p> <ul style="list-style-type: none">● Login & Logout● Registration● Password Hashing● Password Recovery (Email)● Login Blocking● User account activation	<p>7. Attendance (Student)</p> <p>PIC: Lim Chin Ping</p> <ul style="list-style-type: none">● Take Attendance● View Attendance Details
<p>2. User Maintenance (Admin)</p> <p>PIC: CHO CHOONG KIT</p> <ul style="list-style-type: none">● CRUD Operations (Student & Tutor)● User Listing & Details (Student & Tutor)● Update Profile Details● Change Password● Email Notifications (Update Operation)● AJAX Sorting and Paging	<p>8. Schedule (Student)</p> <p>PIC: Lim Chin Ping</p> <ul style="list-style-type: none">● View Schedule
<p>3. Attendance Management (Admin)</p> <p>PIC: CHO CHOONG KIT</p> <ul style="list-style-type: none">● Attendance Listing & Detail● Attendance Filtering (Status, Date Range)● AJAX Searching, Sorting and Paging● Charts for Reporting (Line Chart)● Generate Attendance Reports (Excel, PDF, CSV)	<p>9. Class Registration (Student)</p> <p>PIC: Lim Chin Ping</p> <ul style="list-style-type: none">● Register Class● Drop Class
<p>4. Schedule Maintenance (Admin)</p> <p>PIC: CHO CHOONG KIT</p> <ul style="list-style-type: none">● Schedule Maintenance (CRUD)● Generate Attendance Code● Schedule Listing and Details● Conflict Detection for Time and Class Availability● AJAX Integration for Filtering and Sorting	<p>10. Profile (Student)</p> <p>PIC: Lim Chin Ping</p> <ul style="list-style-type: none">● Update Profile● Update Password
<p>5. Subject Maintenance (Admin)</p> <p>PIC: CHO CHOONG KIT</p> <ul style="list-style-type: none">● Subject Maintenance (CRUD)● Subject Listing & Details● Assign Tutor to Subjects● AJAX Sorting and Paging	<p>11. Tutor Management</p> <p>PIC: Wong How Wai</p> <ul style="list-style-type: none">● View Students Assigned to Classes● View Class Attendance● Tutor Timetable
	<p>12. Tutor Profile</p> <p>PIC: Wong How Wai</p> <ul style="list-style-type: none">● View personal profiles.● Update Profile Details● UX Improvement (Drag-and-Drop Photos Upload)● Webcam Photo Capture
	<p>13. Others</p> <p>PIC: Wong How Wai</p> <ul style="list-style-type: none">● Dashboard● Multi-language Support for UI Labels and Texts● Interactive On Screen● Batch update(Sign Attendance Records)

6. Class Maintenance (Admin)**PIC: CHO CHOONG KIT**

- Class Maintenance (CRUD)
- Class Listing and Details
- Assign Student to Classes
- AJAX Sorting and Paging

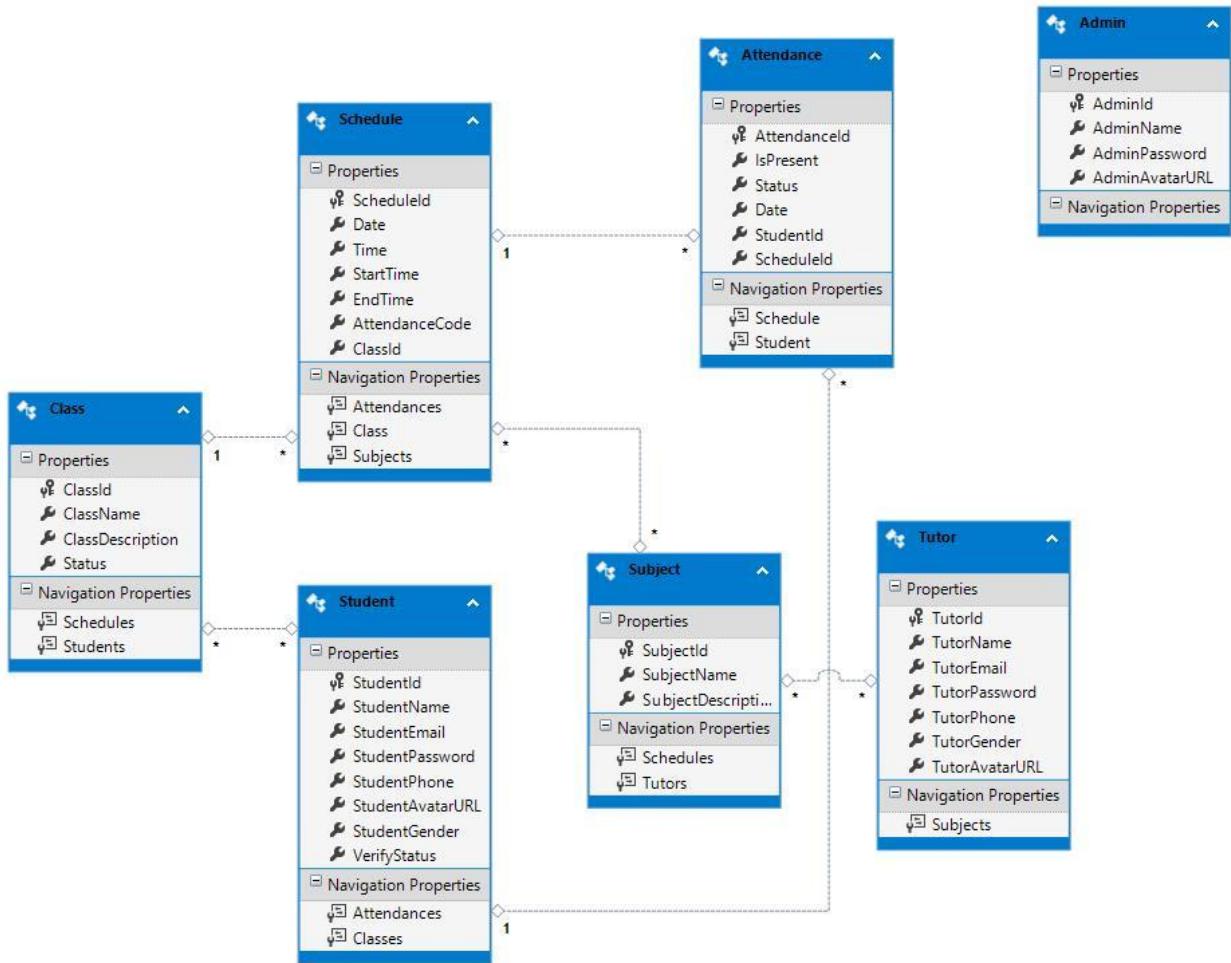
PIC: Cho Choong Kit

- Dashboard (various chart type: bar chart, pie chart, line chart, histogram chart)
- Login and Logout Notification Sounds
- Interactive On Screen
- Batch update
- AJAX Integration

PIC: Lim Chin Ping

- Google Maps Integration

2. Entity Class Diagram



3. Monetization Models

We propose the following software monetization models for making our system sustainable:

(A) License

In a license-based monetization model, the system is sold to educational institutions as an on-premises software solution. Institutions are charged a one-time fee or an annual renewal fee for the right to use the software. The model is ideal for tuitions that prefer to host and control their own data due to privacy or compliance requirements. The pricing would depend on the size of the institution. For instance, small tuitions with fewer than 50 students would have to pay RM100 annually, medium-sized tuitions with 50-100 students would be charged RM150 annually and large institutions with more than 100 students would have to pay RM200 annually.

This model generates revenue upfront and ensures predictable cash flow if institutions opt for annual renewals. For example, if 200 institutions adopt the systems where 100 small institutions (RM10,000/year), 70 medium institutions (RM10,500/year) and 30 large institutions (RM6,000/year) would collectively generate RM26,500 annually. Additionally, updates or extended functionality can be sold as additional add-ons. This model provides scalability and appeals to institutions seeking long-term solutions without ongoing monthly fees.

(B) Usage-Based

The usage-based model charges clients according to how much they use the system. In the case of an attendance tracking system, tuition would pay based on the number of students tracked or the volume of features used. For example, tuition could be charged RM0.10 per student per month for basic tracking and RM0.25 per student per month for additional services like analytics and automated notifications. This model is particularly beneficial for institutions with fluctuating enrollment sizes, as it allows them to pay proportionally to their usage.

If the system tracks 150 students per month, the annual revenue from basic tracking would be RM180 (150 students x RM0.10 x 12 months). Assuming 30% of students use premium features, an additional RM135 could be generated (45 students x RM0.25 x 12 months). This brings the total annual revenue to RM315. The model is attractive to smaller tuitions with varying needs, as they only pay for what they use, while still offering consistent revenue growth as adoption increases.

(C) Subscription

The subscription-based model provides the system as a cloud-based SaaS platform, offering access through recurring monthly or annual payments. This model is ideal for institutions that want minimal setup costs and ongoing access to updates and support. Pricing is tiered to cater different institution sizes and needs. For example, a Basic Plan at RM25/month supports up to 50 students, a Pro Plan at RM50/month supports up to 150 students and an Enterprise Plan at RM150/month offers unlimited student tracking with customization options.

With 500 tuitions using this platform, revenue could be distributed as follows: 300 tuitions on the Basic Plan (RM7,500 annually), 150 on the Pro Plan (RM7,500 annually) and 50 on the Enterprise Plan (RM7,500 annually). This totals RM22,500 in annual revenue. The subscription model ensures predictable, steady income while allowing for scalability as institutions grow or require more features. Additionally, it offers an easy entry point for tuitions, as they can start with lower-tier plans and upgrade over time.

(D) Freemium

The freemium model allows tuitions to use the basic features of the attendance tracking system for free, while premium features are available for a fee. This strategy attracts a large user base by lowering the entry barrier and then monetizes through paid upgrades. Basic features could include attendance tracking, reporting and email-only support. Premium features might include advanced analytics (RM20/month), SMS notifications (RM0.05 per notification) and branded dashboards (RM50/month).

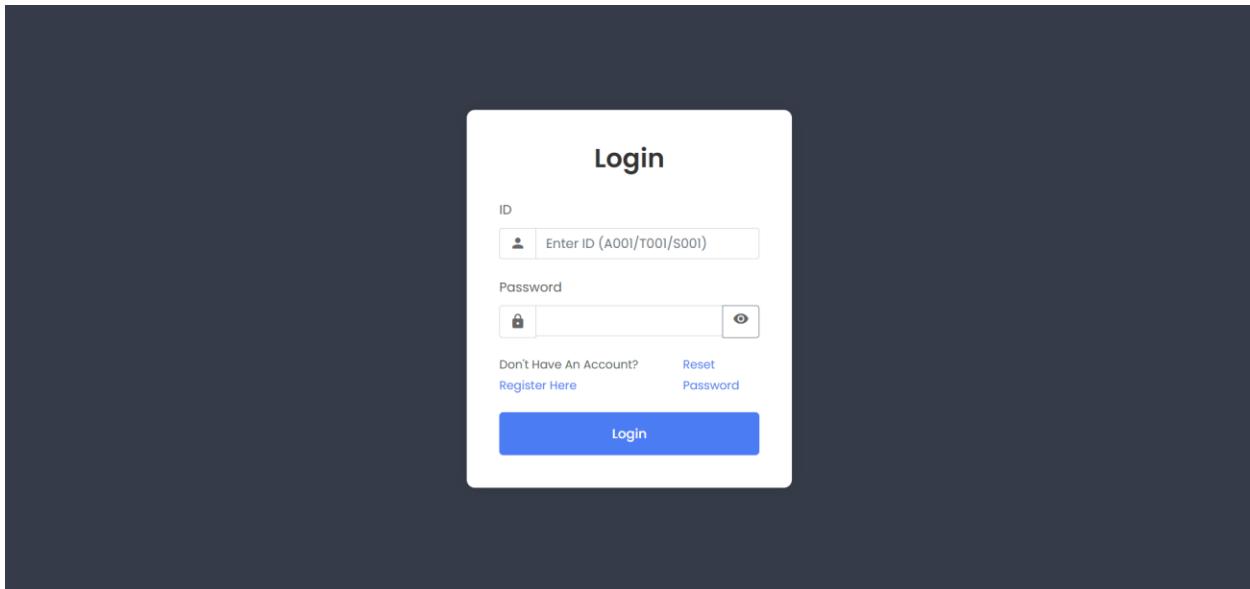
For example, with 1,000 tuitions adopting the freemium model, 300 might upgrade to advanced analytics (RM6,000 annually), 5,000 SMS notifications sent annually could generate RM250 and 100 schools might choose custom branding (RM5,000 annually). Combined, these upgrades would generate RM11,250 annually. This model ensures a broad reach while creating opportunities to upsell premium features. It is particularly appealing to smaller tuitions or those wanting to trial the system before committing to paid plans.

4. System Screenshots

(A) PIC: Lim Chin Ping

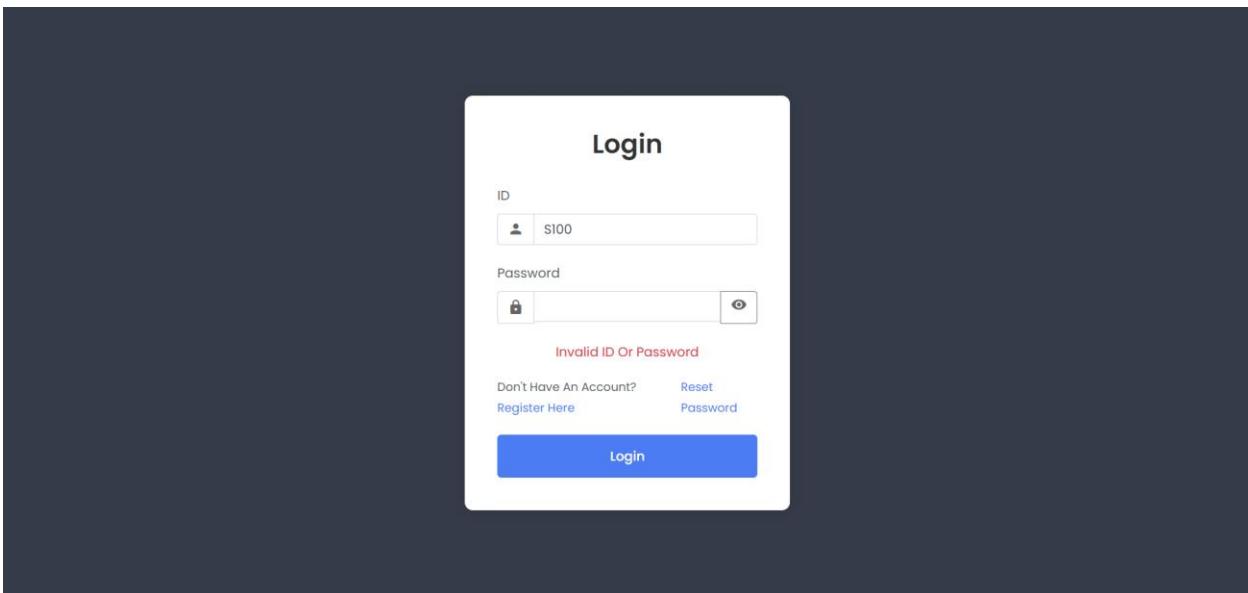
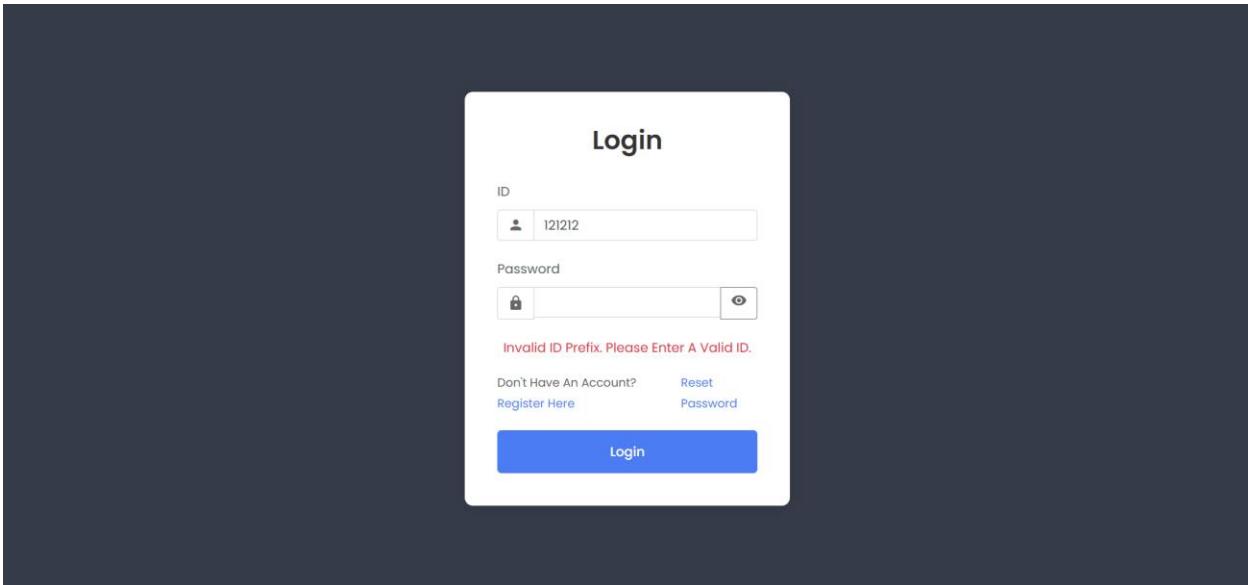
1. Security

Login



The above shows the login page. The user is required to enter his/her ID following the format which has been displayed in the placeholder. For example, id that starts with A are admins, ids that start with T are tutors while ids that start with S are students. The user is also required to enter the password in order to login. The user can press the eye icon to view the password. If the user doesn't have an account, the user can press the "Register here" link or the "Reset Password" link if the user wants to reset his/her password. The user can then press the "Login" button to login into the system.

Login - Invalid Input



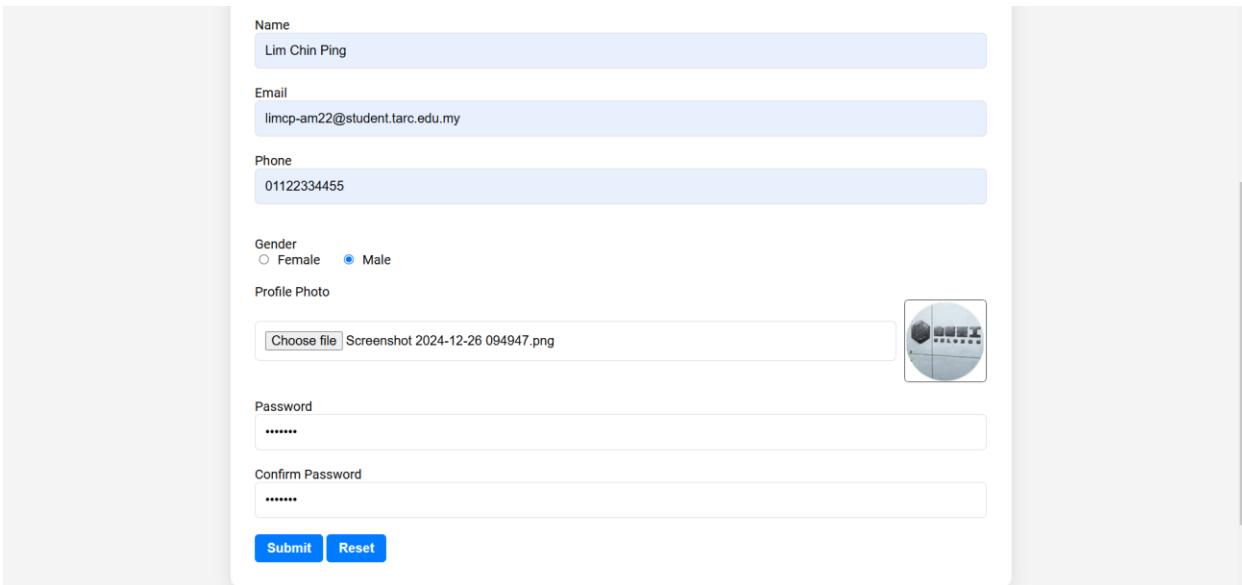
If the user has entered an invalid id or password, the system will display an error message to the user and prevent the user from logging in.

Logout

The screenshot shows the TARUMT Tuition website interface. At the top, there is a green header bar with the text "TARUMT Tuition" and a user profile icon. Below the header, the page title "Welcome, LIM CHIN PING!" is displayed. The main navigation menu includes links for "Index", "Class Registration", "Timetable", "Attendance Details", "Update Profile", "Update Password", and "Logout". A red box highlights the "Logout" button, and a red arrow points to it from the bottom right. Below the navigation, a large banner with the text "2025 INTAKES in progress" and a "Apply Now" button is visible. The banner also features a small "MORE INFO" link. The main content area contains a heading "Welcome to Our Tuition Center!" and a brief description of the center's mission.

The user can log out by pressing the “Logout” button from the navigation for each role.

Registration



A registration form with fields for Name, Email, Phone, Gender, Profile Photo, Password, and Confirm Password. The form includes a file upload input for profile photo and two buttons at the bottom: Submit and Reset.

Name: Lim Chin Ping

Email: limcp-am22@student.tarc.edu.my

Phone: 01122334455

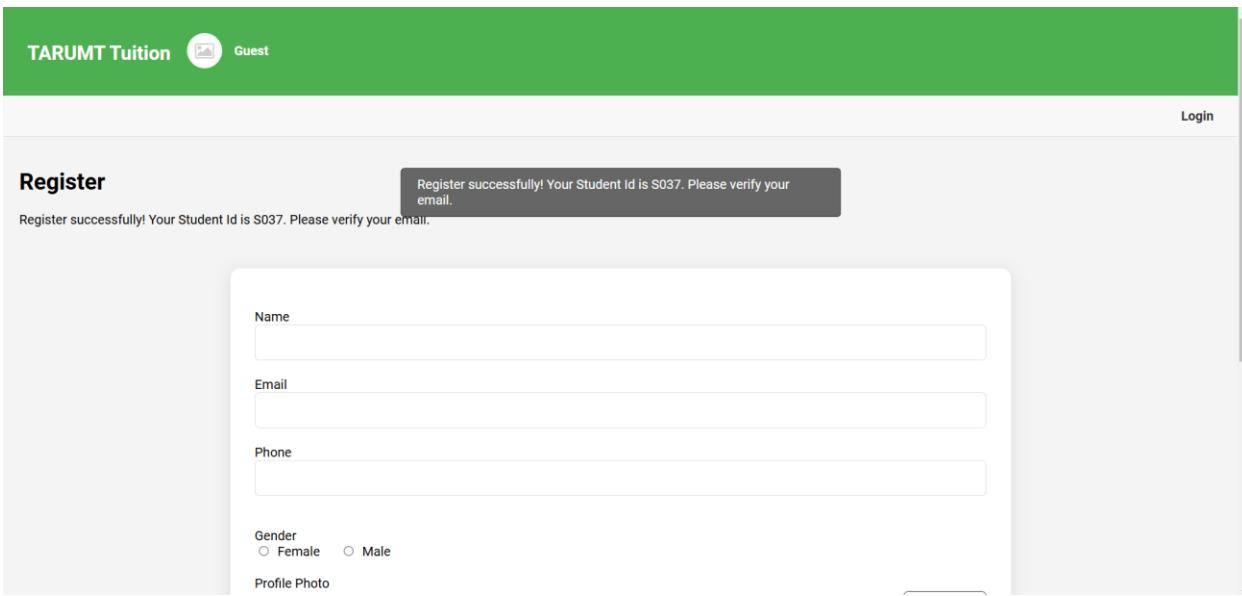
Gender: Female Male

Profile Photo: Choose file Screenshot 2024-12-26 094947.png 

Password:

Confirm Password:

Submit **Reset**



The register page shows a success message: "Register successfully! Your Student Id is S037. Please verify your email." Below the message is a registration form with fields for Name, Email, Phone, Gender, and Profile Photo.

TARUMT Tuition  Guest Login

Register

Register successfully! Your Student Id is S037. Please verify your email.

Name

Email

Phone

Gender Female Male

Profile Photo

Students can register for an account on this page. Students have to enter their name, email, phone, gender, profile photo and password. After entering the details, the system will check whether the values are valid or not. If valid, a student account will be created and a message will pop up, reminding the student to check their email to verify their identity.

Registration - Invalid Input

The screenshot shows a registration form with several input fields and their validation messages:

- Name**: The field is empty, and the message "Name is required" is displayed.
- Email**: The field contains "0", and the message "The StudentEmail field is not a valid e-mail address." is displayed.
- Phone**: The field contains "0", and the message "Phone number must be atleast 11 numbers long" is displayed.
- Gender**: The field shows radio buttons for "Female" and "Male", with the message "Please select gender" displayed below them.
- Profile Photo**: The field has a dashed border and the message "Please select a photo" with a small camera icon.
- Password**: The field contains a single dot, and the message "Password must be atleast 5 characters long." is displayed.
- Confirm Password**: The field contains two dots, and the message "The password and confirmation password do not match." is displayed.

If the student enters an invalid input, the system will detect it and display an error message to the student. The invalid messages are shown above. This prevents the student from registering an account.

Password Hashing

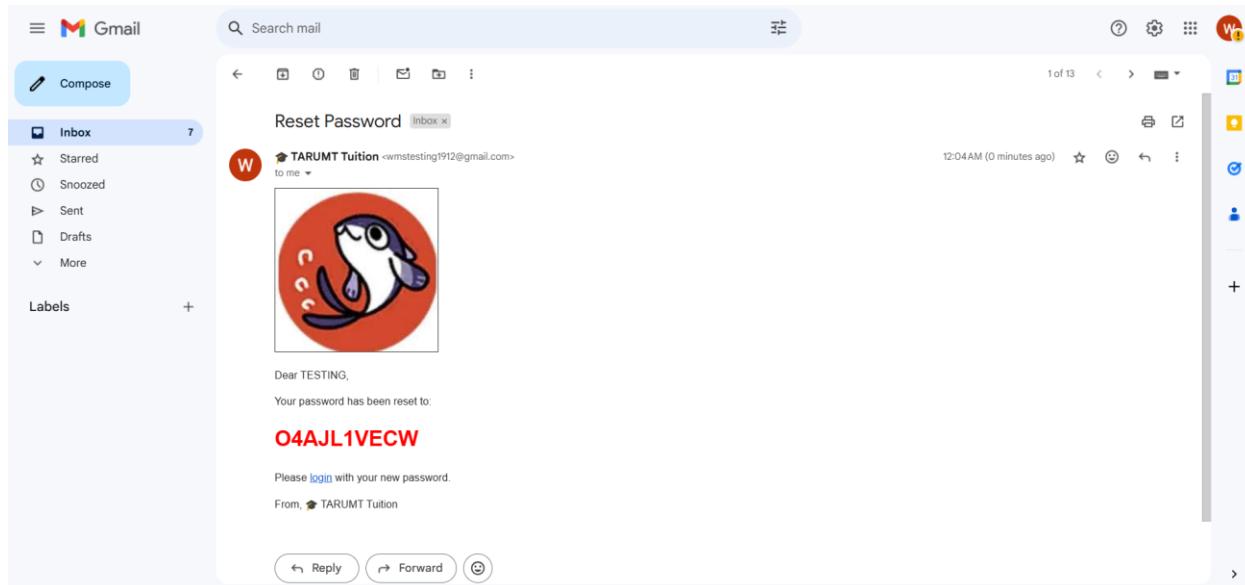
Register.cshtml		ClassTimetable.cshtml		_StudentLayout.cshtml		dbo.Students [Data]		
	StudentId	StudentName	StudentEmail	StudentPasswo...	StudentPhone	StudentAvatar...	StudentGender	VerifyStatus
▶	S100	ALEX LIM LAI L...	alex.l@email.co...	AQAAAAIAAYa...	01234567890	a2e11ee71f447...	F	Verified
	S101	Rachel Tan	rachel.t@email....	pass456	2345678901	https://example...	F	Y
	S102	Jason Ng	jason.n@email....	pass789	3456789012	https://example...	M	Y
	S103	Michelle Lee	micelle.l@email...	pass521	4567890123	https://example...	F	Y
	S104	CHO CHOONG ...	cck@gmail.com	AQAAAAIAAYa...	01122334455	533b97c985514...	M	Pending
	S105	Wong How Wai	whw@gmail.com	AQAAAAIAAYa...	01122334455	27c4c2ad589a4...	F	Pending
	S106	LIM CHIN PING	limcp-am22@st...	AQAAAAIAAYa...	01122334455	8d0744f292814...	M	Pending
	S107	CHAN SHAO H...	csh@gmail.com	AQAAAAIAAYa...	01122334455	ffdced4e1e394...	M	Pending
	S108	NG YU SAM	nys@gmail.com	AQAAAAIAAYa...	01122334455	1688d563e6f04...	M	Pending
	S109	ZON LAI LIM Z	zllz@gmail.com	AQAAAAIAAYa...	01122334455	369f27073e034...	M	Pending
	S110	LIM JI BET	chinglim69...	AQAAAAIAAYa...	01122334455	5dceecf6e85b4...	M	Verified
	S111	NICOLE DEMARA	nicole@gmail.c...	AQAAAAIAAYa...	01122334455	40c338b658b54...	F	Verified
	S112	ZON LAI LIM Z	zllz@gmail.com	AQAAAAIAAYa...	01122334455	3c30d2d9477f4...	M	Pending
	S113	BILLY KID	billy@gmail.con...	AQAAAAIAAYa...	01122334455	366e5497011c4...	M	Pending
	S114	NEKOMIYA MA...	nekomiya@gm...	AQAAAAIAAYa...	01122334455	9630140e3ff046...	F	Pending
✖	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

The passwords are hashed with the addition of salt into it to prevent hackers from figuring out the actual password.

Password Recovery (Email)

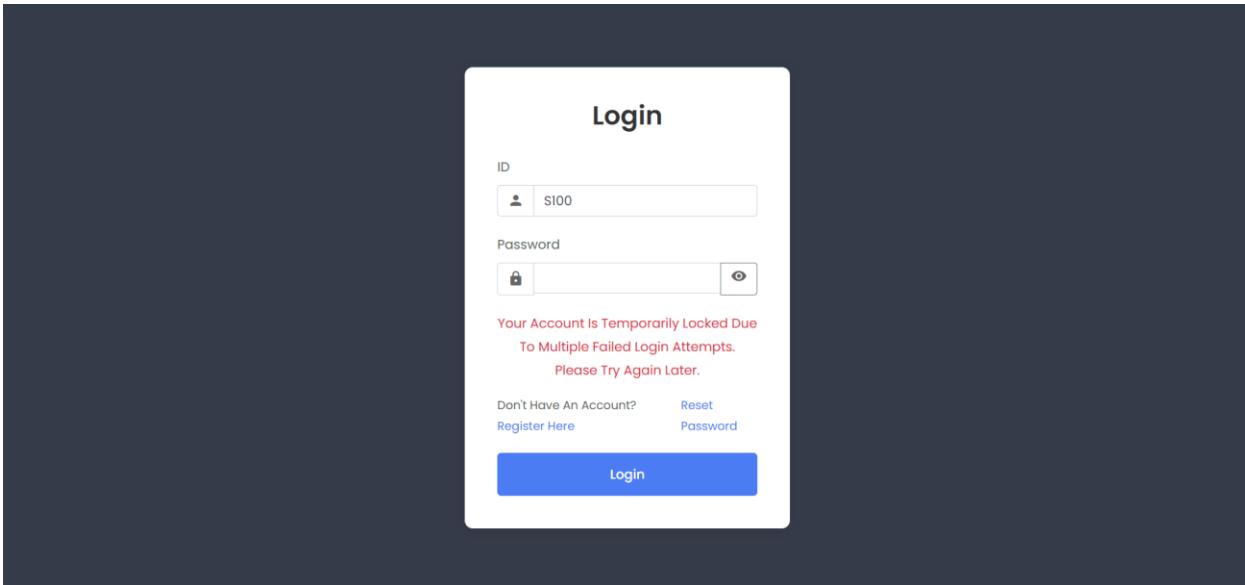
The screenshot shows a web page with a green header bar. On the left, it says "TARUMT Tuition" and "Guest". On the right, there is a "Login" link. Below the header, the title "Account | Reset Password" is displayed. A form is present with the label "Email" and a text input field. Below the input field are two buttons: "Submit" (blue) and "Reset" (grey). At the bottom of the page, a green footer bar contains the text "Developed by TARUMT · Copyrighted © 2024".

This screenshot shows the same website layout as the first one, but with a message in a dark grey box stating "Password reset. Check your email." The rest of the interface is identical to the first screenshot.



Students can reset their account password by entering their email address and press submit. After submitting, the system will send an email to the student. The new password is sent to the student via email and the student can login to the system using the new password.

Login Blocking



The user that is trying to login the system can be blocked by the system for a few seconds if the user keeps entering the wrong id or password in which the user has to wait for the system to allow the user to login again.

User Account Activation

TARUMT Tuition Guest

Login

Register

Register successfully! Your Student Id is S039. Please verify your email.

Name

Email

Phone

Gender Female Male

Profile Photo

Gmail Search mail

1 of 2,584

Email Verification [Inbox]

TARUMT Tuition <wmstesting912@gmail.com> to me 9:50AM (2 minutes ago)

Dear LCP,

Thank you for registering. Please verify your email address to activate your account.

[Verify Email](#)

If you did not sign up for this account, please ignore this email.

From, TARUMT Tuition

Reply Forward

1

Your email has been verified successfully!

After a student registers an account, the student has to activate his/her account by checking their email and press the “Verify Email” button to activate the account to allow them to login to the system.

2. Attendance (Student)

Take Attendance

Class Timetable

December 2024 Submit

December 2024

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
25	26	27	28	29	30	1 Physics Pro Chem Master
2 Bio Elite English Pro	3 Account Pro	4	5	6	7	8 Science 5A Science 5B
9 Account 5A Math 5A	10 BM Elite	11	12	13	14	15 Physics Pro Chem Master
16 Bio Elite English Pro	17 Account Pro	18	19	20	21	22 Science 5A Science 5B

TARUMT Tuition  Welcome, NICOLE DEMARA!

[Index](#) [Class Registration](#) [Timetable](#) [Attendance Details](#) [Update Profile](#) [Update Password](#) [Logout](#)

Class Details

Class Name	Start Time	End Time	Description	Attendance
Account 5A	09:00:00	11:00:00	Accounting Stream Class A	Take
Science 5A	12:00:00	14:00:00	Pure Science Stream Class A	Signed
Science 5B	16:00:00	18:00:00	Pure Science Stream Class B	Take

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[Index](#)[Class Registration](#)[Timetable](#)[Attendance Details](#)[Update Profile](#)[Update Password](#)[Logout](#)

Take Attendance

Attendance for Schedule:

Attendance Code:

[Submit](#)

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[Index](#)[Class Registration](#)[Timetable](#)[Attendance Details](#)[Update Profile](#)[Update Password](#)[Logout](#)

Welcome, Student!

Attendance recorded successfully.



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TARUMT Tuition  Welcome, NICOLE DEMARA!

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[Logout](#)

Class Details

Class Name	Start Time	End Time	Description	Attendance
Account 5A	09:00:00	11:00:00	Accounting Stream Class A	<button style="background-color: blue; color: white; padding: 2px;">Take</button>
Science 5A	12:00:00	14:00:00	Pure Science Stream Class A	<button style="background-color: green; color: white; padding: 2px;">Signed</button>
Science 5B	16:00:00	18:00:00	Pure Science Stream Class B	<button style="background-color: blue; color: white; padding: 2px;">Take</button>

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TARUMT Tuition  Welcome, NICOLE DEMARA!

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[Logout](#)

Class Details

Class Name	Start Time	End Time	Description	Attendance
Science 5B	02:00:00	14:00:00	Pure Science Stream Class B	<button style="background-color: grey; color: white; padding: 2px;">Not Available</button>
Science 5B	14:30:00	16:30:00	Pure Science Stream Class B	<button style="background-color: grey; color: white; padding: 2px;">Not Available</button>

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The student can take attendance by choosing the date on the timetable. Once clicked, the class details page is then displayed to the student with the “Take” button for each class. “Not Available” button is displayed if the current date does not match the date of the schedule while the “Signed” button is displayed if the student has taken attendance for the class. The student can then enter the attendance code to take attendance. After entering the correct attendance code, the student’s attendance is recorded into the database.

Take Attendance - Invalid Input

The screenshot shows a web application interface for 'TARUMT Tuition'. At the top, there is a green header bar with the text 'TARUMT Tuition' and a user icon, followed by 'Welcome, NICOLE DEMARA!'. Below the header, a navigation menu includes 'Index', 'Class Registration', 'Timetable', 'Attendance Details', 'Update Profile', 'Update Password', and 'Logout'. The main content area has a title 'Take Attendance' and a sub-section 'Attendance for Schedule:'. A form is present with a label 'Attendance Code:' and a text input field. To the right of the input field, a message box displays the error 'Invalid attendance code.'. At the bottom of the page, a green footer bar contains the text 'Developed by TARUMT - Copyrighted © 2024'.

If the student enters an invalid attendance code, it will not record the attendance and displays an error message.

View Attendance Details

TARUMT Tuition  Welcome, NICOLE DEMARA!

[Index](#) [Class Registration](#) [Timetable](#) [Attendance Details](#) [Update Profile](#) [Update Password](#) [Logout](#)

Attendance Details

Attendance Summary: 1 / 42

Class Name	Date	Start Time	End Time	Status
Science 5A	2024-12-27	12:00:00	14:00:00	Present

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The student can view their attendance details by accessing it from the navigation bar. The attendance details table displays the class name, date, start time, end time and the status. The student can also view the attendance summary to see how many classes have been attended.

3. Schedule (Student)

View Schedule

Class Timetable

December 2024 Submit

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
25	26	27	28	29	30	1 Physics Pro Chem Master
2 Bio Elite English Pro	3 Account Pro	4	5	6	7	8 Science 5A Science 5B
9 Account 5A Math 5A	10 BM Elite	11	12	13	14	15 Physics Pro Chem Master
16 Bio Elite English Pro	17 Account Pro	18	19	20	21	22 Science 5A Science 5B

TARUMT Tuition  Welcome, NICOLE DEMARA!

Index Class Registration Timetable Attendance Details Update Profile Update Password Logout

Class Details

Class Name	Start Time	End Time	Description	Attendance
Account 5A	09:00:00	11:00:00	Accounting Stream Class A	<button>Take</button>
Science 5A	12:00:00	14:00:00	Pure Science Stream Class A	<button>Signed</button>
Science 5B	16:00:00	18:00:00	Pure Science Stream Class B	<button>Take</button>

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The students can view their schedule from the timetable and choose a date where they want to view the schedules of the classes on that date.

4. Class Registration (Student)

Register Class/Drop Class

Class Registration			
Class Name	Description	Status	Action
Science 5A	Pure Science Stream Class A	Active	<button>Drop</button>
Science 5B	Pure Science Stream Class B	Active	<button>Drop</button>
Account 5A	Accounting Stream Class A	Active	<button>Drop</button>
Math 5A	Additional Mathematics Focus Group	Active	<button>Drop</button>
BM Elite	Bahasa Melayu Excellence Class	Active	<button>Drop</button>
Physics Pro	Advanced Physics Class	Active	<button>Drop</button>
Chem Master	Advanced Chemistry Class	Active	<button>Drop</button>
Bio Elite	Advanced Biology Class	Active	<button>Register</button>
English Pro	Advanced English Class	Active	<button>Register</button>
Account Pro	Advanced Accounting Class	Active	<button>Register</button>

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The student can manage their class through the “Class Registration” section. The student can either “Register” for a class or “Drop” a class by pressing the corresponding buttons. Inactive classes cannot be registered yet.

Class Registration			
Class Name	Description	Status	Action
Science 5A	Pure Science Stream Class A	Active	<button>Register</button>
Science 5B	Pure Science Stream Class B	Active	<button>Drop</button>
Account 5A	Accounting Stream Class A	Active	<button>Drop</button>
Math 5A	Additional Mathematics Focus Group	Active	<button>Drop</button>
BM Elite	Bahasa Melayu Excellence Class	Active	<button>Drop</button>
Physics Pro	Advanced Physics Class	Active	<button>Drop</button>
Chem Master	Advanced Chemistry Class	Active	<button>Drop</button>
Bio Elite	Advanced Biology Class	Active	<button>Register</button>
English Pro	Advanced English Class	Active	<button>Register</button>
Account Pro	Advanced Accounting Class	Active	<button>Register</button>

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Class Timetable

December 2024

December 2024

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
25	26	27	28	29	30	1 Physics Pro Chem Master
2	3	4	5	6	7	8 Science 5B
9 Account 5A Math 5A	10 BM Elite	11	12	13	14	15 Physics Pro Chem Master
16	17	18	19	20	21	22 Science 5B

TARUMT Tuition



Welcome, NICOLE DEMARA!

[Index](#)

[Class Registration](#)

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Class Details

Class Name	Start Time	End Time	Description	Attendance
Account 5A	09:00:00	11:00:00	Accounting Stream Class A	<input type="button" value="Take"/>
Science 5B	16:00:00	18:00:00	Pure Science Stream Class B	<input type="button" value="Take"/>

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After dropping the IA class, all the schedules for that class have disappeared. The same applies to the “Class Details” page.

5. Profile (Student)

Update Profile

The screenshot shows the 'Account | Update Profile' page for a student named NICOLE DEMARA. The page includes fields for Email (chinpinglim69@gmail.com), Name (NICOLE DEMARA), Phone (01155098469), Gender (Male selected), and a Photo upload area containing a cartoon character. Buttons for 'Update' and 'Reset' are at the bottom.

Email	chinpinglim69@gmail.com
Name	NICOLE DEMARA
Phone	01155098469
Gender	<input type="radio"/> Female <input checked="" type="radio"/> Male
Photo	Select Photo...

Update **Reset**

The screenshot shows the 'Account | Update Profile' page for a student named Grace Howard. A success message 'Profile updated.' is displayed above the form. The fields are identical to the previous screenshot, with the photo field now showing a different profile picture of a person's face.

Email	chinpinglim69@gmail.com
Name	Grace Howard
Phone	01155098469
Gender	<input type="radio"/> Female <input checked="" type="radio"/> Male
Photo	Select Photo...

Update **Reset**

Students can update their profile by pressing the “Update Profile” link on the navigation bar. It allows the student to update their name, phone, gender and profile photo. The student can then press the “Update” button to update their profile.

Update Profile - Invalid Input

The screenshot shows a web application interface for updating a profile. At the top, there is a green navigation bar with links for Index, Class Registration, Timetable, Attendance Details, Update Profile, Update Password, and Logout. The main content area has a title "Account | Update Profile". Below the title is a form with the following fields:

- Email: chinpinglim69@gmail.com
- Name: (empty field with error message: "The StudentName field is required.")
- Phone: (empty field with error message: "Phone number is required")
- Gender: Male (radio button selected)
- Photo: (placeholder text: "Select Photo...", a small circular icon with a hand, and a dashed box indicating where a photo can be uploaded.)

At the bottom of the form are two buttons: "Update" (blue) and "Reset" (grey).

The system will display an error message beside the input fields indicating that the inputs needs to be filled and with the correct format.

Update Password

TARUMT Tuition  Welcome, Grace Howard!

Index Class Registration Timetable Attendance Details Update Profile Update Password Logout

Update Password

Current Password

New Password

Confirm Password

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TARUMT Tuition  Welcome, Grace Howard!

Index Class Registration Timetable Attendance Details Update Profile Update Password Logout

Update Password

Current Password

New Password

Confirm Password

Password updated.

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Students can update their password by accessing the “Update Password” page from the navigation bar. The student needs to enter the current password, new password and confirm password in order to change his/her password.

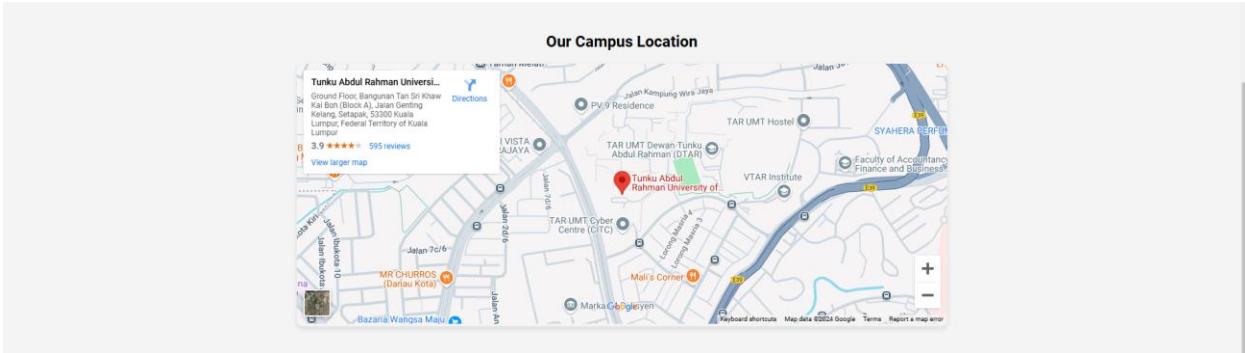
Update Password - Invalid Input

The screenshot shows the TARUMT Tuition web application interface. At the top, there is a green header bar with the text "TARUMT Tuition" and a user icon, followed by "Welcome, Grace Howard!". Below the header, there is a navigation menu with links: "Index", "Class Registration", "Timetable", "Attendance Details", "Update Profile", "Update Password", and "Logout". The main content area has a title "Update Password". It contains three input fields: "Current Password", "New Password", and "Confirm Password". Each field has an associated validation message. The "Current Password" field has a message: "The field Current Password must be a string with a minimum length of 5 and a maximum length of 100.". The "New Password" field has a message: "The field New Password must be a string with a minimum length of 5 and a maximum length of 100.". The "Confirm Password" field has a message: "Confirm Password and New Password do not match.". At the bottom of the form are two buttons: "Update" and "Reset".

If the student enters an invalid current password while the new password and confirm passwords do not match. It will display an error message beside the input fields.

6. Others

Google Maps Integration



Integrating Google Maps allows users to view the tuitions' location with interactive markers for easy navigation. This feature provides real-time, geospatial information, helping users find and access locations efficiently.

(B) PIC: Cho Choong Kit**1. User Maintenance (Admin)****CRUD Operations (Create Student)**

The screenshot shows the 'Insert Student' form. The fields include:

- Student ID: S039
- Student Name
- Student Email
- Student Phone: 01X-XXXXXXX
- Gender: Female (radio button selected)
- Verify Status: Pending
- Profile Photo: A placeholder image of a landscape.
- Password: An empty input field.
- A note below the password field states: "Password Must Contain:
 - X At Least 8 Characters
 - X One Uppercase Letter
 - X One Lowercase Letter
 - X One Number
 - X One Special Character"
- Buttons at the bottom: Back To List, Create Student (highlighted in blue), and Reset.

This page is used for the administrator to add new student details to the system, including student name, student email, student phone, gender, profile picture, password and passphrase (must contain verification information). The “back to list” button means it returns to the View Students page, the “Create Student” button is used to add a new student and the “Reset” button is used to allow the administrator to reset the inputs.

CRUD Operations (Create Student) - Invalid Input

Insert Student

Student ID
S039

Student Name
Wong,, Lik Ken!

Student Email
Likken99@#gmail.com

The StudentEmail Field Is Not A Valid E-Mail Address.

Student Phone
0165123333

Phone Number Must Be Atleast 11 Numbers Long

Gender
 Female Male

Verify Status Pending ▾

Profile Photo

jett.jpg



Password

.....

Password Must Be Atleast 8 Characters Long.

Password Must Contain:

- X At Least 8 Characters
- X One Uppercase Letter
- X One Lowercase Letter
- X One Number
- X One Special Character

[Back To List](#)
[Create Student](#)
[Reset](#)

Here show some validation messages to restrict data entry:

For name:

- Can't contain number and symbol.

For email:

- Should follow the email format
- Can't be the same to others emails which are already inserted into the system.

For phone number:

- Must not be less than 11 digit.
- Invalid phone number format(01X-XXXXXXX)

For password:

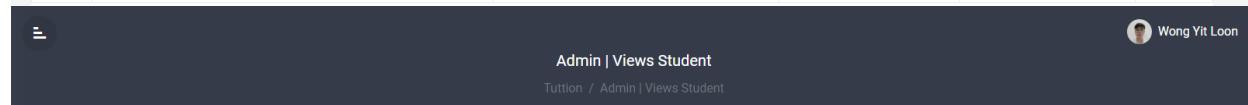
- Must be at least 8 characters long, contain 1 uppercase character and 1 lowercase letter ,1 number and 1 special character.

CRUD Operations (Create Student) - Valid Input



The screenshot shows a successful addition of a student. A green success message box at the top right corner states "Student Added Successfully!". The main content area displays a table titled "Manage Students" with columns for Student ID, Name, Email, Phone, Verify Status, and Actions. The table contains 17 rows of student data.

Student ID	Name	Email	Phone	Verify Status	Actions
S001	AHMAD ISKANDAR BIN ABDULLAH	Ahmad.Isk@gmail.com	012-3456789	Verified	
S009	Siti Nur Fatimah	Sitinur@gmail.com	0123456797	Y	
S010	Rajesh Kumar	Rajesh.K@gmail.com	0123456798	Y	
S011	Nur Syafiqah Binti Azman	Syafiqah.A@gmail.com	0123456799	Y	
S012	Chong Wei Jian	Weijian@gmail.com	0123456800	Y	
S013	Zulaikha Binti Mohd Yusof	Zulaikha@gmail.com	0123456801	Y	
S014	Daniel Tan Jun Wei	Daniel.Tan@gmail.com	0123456802	Y	
S015	Priya Sharma	Priya.S@gmail.com	0123456803	Y	
S016	Mohammad Imran Bin Ismail	Imran.I@gmail.com	0123456804	Y	
S017	Lim Xiao Mei	Xiaomei@gmail.com	0123456805	Y	



The screenshot shows a student added successfully. A green success message box at the top right corner states "Student Added Successfully!". The main content area displays a table titled "Manage Students" with columns for Student ID, Name, Email, Phone, Verify Status, and Actions. The table contains 39 rows of student data, with the last row (S039) highlighted by a red box.

Student ID	Name	Email	Phone	Verify Status	Actions
S028	JUSTIN LEE	Justinlee@gmail.com	012-3456816	Verified	
S029	DIVYA THIAGARAJAN	Divyassssssssssss.T@gmail.com	012-3456817	Pending	
S035	LIM CHIN PING	Choongk471@gmail.com	011-22334455	Pending	
S036	LIM CHIN PING	Chipinglim69@gmail.com	01122334455	Verified	
S037	LIM CHIN PING	Limcp-Am22@student.tarc.edu.my	011-22334455	Pending	
S038	LEE WEN JIE	Chock-Am22@student.tarc.edu.my	016-2768232	Verified	
S039	WONG LIK KEN	Kitcho4321@gmail.com	016-5123333	Pending	

Showing 7 Out Of 27 Entries

First Previous 1 2 3 Next Last

Once a student is successfully added, the system will redirect the admin to the View Students page. A success message will be displayed at the top right of the screen, notifying the admin that the student has been successfully inserted into the system.

CRUD Operations (Retrieve Student)

Search by student name

The screenshot shows a web application interface for managing students. At the top, there is a header bar with the text "Admin | Views Student" and a user profile picture labeled "Wong Yit Loon". Below the header, a breadcrumb navigation shows "Tuition / Admin | Views Student". The main content area is titled "Admin | Views Student". A search bar at the top right contains the text "Lik ken", which is highlighted with a red box. Below the search bar is a table titled "Manage Students" with the following data:

Student ID	Name	Email	Phone	Verify Status	Actions
S039	WONG LIK KEN	Kitcho4321@gmail.com	016-5123333	Pending	
S040	WONG LIK KEN	Likken99222222@gmail.com	016-5123333	Pending	

Below the table, a message says "Showing 2 Out Of 2 Entries". At the bottom right of the table, there are navigation buttons: "First", "Previous", "1", "Next", and "Last".

Searching for “Lik ken” displays information about a student with the name “Lik ken”, without reloading the page.

Search by student email

The screenshot shows a web application interface for managing students. At the top, there is a header bar with the text "Admin | Views Student" and a user profile picture labeled "Wong Yit Loon". Below the header, a breadcrumb navigation shows "Tuition / Admin | Views Student". The main content area is titled "Admin | Views Student". A search bar at the top right contains the text "likken99222222", which is highlighted with a red box. Below the search bar is a table titled "Manage Students" with the following data:

Student ID	Name	Email	Phone	Verify Status	Actions
S040	WONG LIK KEN	Likken99222222@gmail.com	016-5123333	Pending	

Below the table, a message says "Showing 1 Out Of 1 Entries". At the bottom right of the table, there are navigation buttons: "First", "Previous", "1", "Next", and "Last".

Searching for “likken99222222” displays information about a student with the email “likken99222222@gmail.com” without reloading the page.

Search by student id

The screenshot shows a web application interface titled "Admin | Views Student". At the top right is a user profile for "Wong Yit Loon". Below the title, a breadcrumb navigation shows "Tuition / Admin | Views Student". The main content area is titled "Admin | Views Student". A search bar at the top right contains the value "S00", which is highlighted with a red box. To the left of the search bar is a button labeled "Manage Students", also highlighted with a red box. The main content is a table titled "Manage Students" with the following data:

Student ID	Name	Email	Phone	Verify Status	Actions
S001	AHMAD ISKANDAR BIN ABDULLAH	Ahmad.Isk@gmail.Com	012-3456789	Verified	
S009	Siti Nur Fatimah	Sitinur@gmail.Com	0123456797	Y	

At the bottom of the table, it says "Showing 2 Out Of 2 Entries". Below the table are navigation buttons: "First", "Previous", "1", "Next", and "Last".

Searching for “S00” displays information about students id with S00 without reloading the page.

Search by student phone number

The screenshot shows a web application interface titled "Admin | Views Student". At the top right is a user profile for "Wong Yit Loon". Below the title, a breadcrumb navigation shows "Tuition / Admin | Views Student". The main content area is titled "Admin | Views Student". A search bar at the top right contains the value "012", which is highlighted with a red box. To the left of the search bar is a button labeled "Manage Students", also highlighted with a red box. The main content is a table titled "Manage Students" with the following data:

Student ID	Name	Email	Phone	Verify Status	Actions
S001	AHMAD ISKANDAR BIN ABDULLAH	Ahmad.Isk@gmail.Com	012-3456789	Verified	
S009	Siti Nur Fatimah	Sitinur@gmail.Com	0123456797	Y	
S010	Rajesh Kumar	Rajesh.K@gmail.Com	0123456798	Y	
S011	Nur Syafiqah Binti Azman	Syafiqah.A@gmail.Com	0123456799	Y	
S012	Chong Wei Jian	Weijian@gmail.Com	0123456800	Y	
S013	Zulaikha Binti Mohd Yusof	Zulaikha@gmail.Com	0123456801	Y	
S014	Daniel Tan Jun Wei	Daniel.Tan@gmail.Com	0123456802	Y	
S015	Priya Sharma	Priya.S@gmail.Com	0123456803	Y	
S016	Mohammad Imran Bin Ismail	Imran.I@gmail.Com	0123456804	Y	
S017	Lim Xiao Mei	Xiaomei@gmail.Com	0123456805	Y	

At the bottom of the table, it says "Showing 10 Out Of 22 Entries". Below the table are navigation buttons: "First", "Previous", "1", "2", "3", "Next", and "Last".

Searching for “012” displays information about student phones starting with 012 without reloading the page.

Search by student verify status

Admin | Views Student

Manage Students					
Student ID	Name	Email	Phone	Verify Status	Actions
S029	DIVYA THIAGARAJAN	Divyassssssssssss.T@gmail.Com	012-3456817	Pending	
S037	LIM CHIN PING	Limcp-Am22@student.Tarc.edu.my	011-22334455	Pending	
S039	WONG SHU SHU	Kitcho4321@gmail.com	016-5123333	Pending	
S040	WONG LIK KEN	Likken92222222@gmail.com	016-5123333	Pending	

Showing 4 Out Of 4 Entries

[First](#) [Previous](#) [1](#) [Next](#) [Last](#)

Searching for “Pending” displays information about students with “Verify Status” with the value “Pending” without reloading the page.

CRUD Operations (Update Student)

The screenshot shows a web-based application interface for managing student records. At the top, a dark header bar displays the title "Admin | Edit Student" and the user "Wong Yit Loon". Below the header, the main content area has a title "Admin | Edit Student". A sub-header "Edit Student" is visible above the form fields. The form includes fields for "Student ID" (S001), "Name" (AHMAD ISKANDAR BIN ABDULLAH), "Email" (ahmad.isk@gmail.com), "Phone" (012-3456789), and "Gender" (Male). There is also a "Verify Status" dropdown set to "Verified". A "Profile Photo" section contains a placeholder text "Choose File No file chosen" and a preview image of a character with blue hair and pink ears. A "Password" field shows masked input. A validation message box lists requirements for a password: "Password Must Contain:" followed by "X At Least 8 Characters", "X One Uppercase Letter", "X One Lowercase Letter", "X One Number", and "X One Special Character". At the bottom, there are two buttons: a blue "Update" button and a grey "Cancel" button.

Admin | Edit Student

Admin | Edit Student

Tuition / Admin | Edit Student

Edit Student

Student ID

S001

Name

AHMAD ISKANDAR BIN ABDULLAH

Email

ahmad.isk@gmail.com

Phone

012-3456789

Gender

Female Male

Verify Status | Verified

Profile Photo

Choose File No file chosen

Password

.....

Password Must Contain:

- X At Least 8 Characters
- X One Uppercase Letter
- X One Lowercase Letter
- X One Number
- X One Special Character

Update **Cancel**

This page allows the admin to update student details, such as the student's name, email, phone number, gender, profile picture, and password. The admin can make changes to any of the fields and save the updated information, ensuring that the student records are kept current.

CRUD Operations (Update Student) - Invalid Input

The screenshot shows a user interface for updating student information. There are three input fields with validation messages:

- Email:** The input "ahmad.iskgmail.com" is marked as invalid with the message "Invalid Email Format".
- Phone:** The input "012-34567" is marked as invalid with the message "Invalid Phone Number Format. Use: 01X-XXXXXXX".
- Password:** The input "*****" is marked as invalid with the message "Password Must Be At Least 8 Characters With Uppercase, Lowercase, Number, And Special Character".

Here show some validation to restrict the data entry:

For email:

- Should follow the email format
- Can't be the same to other emails which are already inserted into the system.

For phone number:

- Must not be less than 11 digit.
- Invalid phone number format(01X-XXXXXXX)

For password:

- Must be at least 8 characters long, contain 1 uppercase character and 1 lowercase letter ,1 number and 1 special character.

CRUD Operations (Update Student) - Valid Input

Admin | Edit Student

Edit Student

Student ID
S039

Student Name
WONG SHU SHU

Student Email
kitcho4321@gmail.com

Student Phone
016-5123333

Gender
 Female Male

Verify Status Pending ▾

Profile Photo
Choose File No file chosen

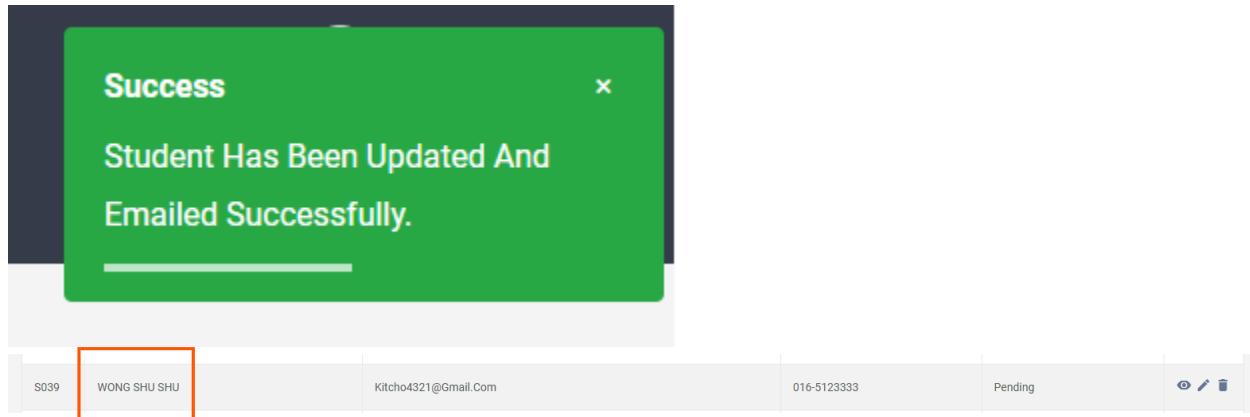


Password

Password Must Contain:

- ✖ X At Least 8 Characters
- ✖ X One Uppercase Letter
- ✖ X One Lowercase Letter
- ✖ X One Number
- ✖ X One Special Character

Update **Cancel**



Once the admin successfully updates a student's details, a success message will be displayed at the top of the page to inform the admin that the changes have been saved. The message will be prominently shown, ensuring the admin is notified of the successful update.

CRUD Operations (Delete Student)

The screenshot shows a web application interface for managing students. At the top, there is a header bar with a user profile picture of Wong Yit Loon and the text "Admin | Views Student". Below the header, a breadcrumb navigation shows "Tuition / Admin | Views Student". The main content area has a title "Admin | Views Student". Below this, there is a table titled "Manage Students" with columns: Student ID, Name, Email, Phone, Verify Status, and Actions. Two rows of student data are listed: S001 (AHMAD ISKANDAR BIN ABDULLAH) and S009 (Siti Nur Fatimah). The "Actions" column for each row contains three icons: a magnifying glass, a pencil, and a trash can. A modal dialog box is overlaid on the page, displaying the text "localhost:7018 says" and "Are you sure you want to delete AHMAD ISKANDAR BIN ABDULLAH?". It has two buttons at the bottom: "OK" and "Cancel".

Manage Students					
<input type="text" value="Search"/>					
Student ID	Name	Email	Phone	Verify Status	Actions
S001	AHMAD ISKANDAR BIN ABDULLAH	Ahmad.Isk@Gmail.Com	012-3456789	Verified	
S009	Siti Nur Fatimah	Sitinur@Gmail.Com	0123456797	Y	

localhost:7018 says
Are you sure you want to delete AHMAD ISKANDAR BIN ABDULLAH?

OK Cancel

The system will display a confirmation message when the admin attempts to delete a student, asking for confirmation before proceeding with the deletion. This ensures that the admin can review their action and prevent accidental deletions.

Wong Yit Loon

Admin | Views Student

Tuition / Admin | Views Student

Admin | Views Student

Manage Students		Search			
Student ID	Name	Email	Phone	Verify Status	Actions
S009	Siti Nur Fatimah	Sitinur@Gmail.Com	0123456797	Y	
S010	Rajesh Kumar	Rajesh.K@Gmail.Com	0123456798	Y	
S011	Nur Syafiqah Binti Azman	Syafiqah.A@Gmail.Com	0123456799	Y	
S012	Chong Wei Jian	Weijian@Gmail.Com	0123456800	Y	
S013	Zulaikha Binti Mohd Yusof	Zulaikha@Gmail.Com	0123456801	Y	
S014	Daniel Tan Jun Wei	Daniel.Tan@Gmail.Com	0123456802	Y	
S015	Priya Sharma	Priya.S@Gmail.Com	0123456803	Y	

Success **Student Deleted Successfully!**

After deleting a student, the record will be immediately removed from the page without reloading and an informational message will be displayed to notify the admin that the deletion process was successful.

CRUD Operations (Create Tutor)

Admin | Insert Tutor

Tuition / Admin | Insert Tutor

Insert Tutor

Tutor ID
T018

Tutor Name

Tutor Email

Tutor Phone
01X-XXXXXXX

Gender
 Female Male

Profile Photo
 No file chosen

Profile Photo

No file chosen



Password

Password Must Contain:

- At Least 8 Characters
- One Uppercase Letter
- One Lowercase Letter
- One Number
- One Special Character

This page allows the administrator to add new tutor details to the system, including the tutor's name, email, phone number, gender, profile picture and password. The "Back to List" button returns the admin to the View Tutors page, the "Create Tutor" button adds the new tutor and the "Reset" button clears all input fields.

CRUD Operations (Create Tutor) - Invalid Input

Insert Tutor

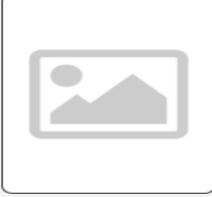
Tutor ID
T018

Tutor Name
Chan Shao Heng.
Invalid Tutor Name. Use Only Letters And Spaces.

Tutor Email
Csh99#@gmail.com
Invalid Email Format

Tutor Phone
016-123
Invalid Phone Number Format(01X-XXXXXXX)

Gender
 Female Male

Profile Photo
 No file chosen


Password

Password Does Not Meet Requirements

Password Must Contain:

- X At Least 8 Characters
- X One Uppercase Letter
- X One Lowercase Letter
- X One Number
- X One Special Character

[Back To List](#) [Create Tutor](#) [Reset](#)

Here show some validation to restrict the data entry:

For name:

- Can't contain number and symbol.

For email:

- Should follow the email format
- Can't be the same to other emails which are already inserted into the system.

For phone number:

- Must not be less than 11 digit.
- Invalid phone number format(01X-XXXXXXX)

For password:

- Must be at least 8 characters long, contain 1 uppercase character and 1 lowercase letter ,1 number and 1 special character.

CRUD Operations (Create Tutor) - Valid Input

The screenshot shows a web application interface for managing tutors. At the top, there's a header bar with a profile picture of 'Wong Yit Loc' and the text 'Admin | Views Tutor'. Below the header, a breadcrumb navigation shows 'Tuition / Admin | Views Tutor'. The main content area has a title 'Manage Tutors' and a search bar. A table lists four tutor entries:

Tutor ID	Tutor Name	Tutor Email	Tutor Phone	Actions
T013	Mr. Gopal Muniandy	Gopal.M@Edu.Com	0198765444	
T014	Puan Ros Azlina Binti Yusof	Ros.Azlina@Edu.Com	0198765445	
T016	WONG JIN WEN	Wjw@Gmail.Com	012-1234123	
T017	CHAN SHAO HENG	Choongk471@Gmail.Com	016-5076821	

Below the table, a message says 'Showing 4 Out Of 14 Entries' and a navigation bar includes 'First', 'Previous', '1', '2', '3', 'Next', and 'Last'.

A green success message box at the bottom left states 'Success' with a close button 'x' and the text 'Tutor Added Successfully!'.

When a tutor is successfully inserted, the system will redirect the admin to the View Tutors page. A success message will be displayed at the top right to notify the admin that the tutor has been successfully added.

CRUD Operations (Retrieve Tutor)

Search by tutor id

Admin | Views Tutor

The screenshot shows a table titled "Manage Tutors" with columns: Tutor ID, Tutor Name, Tutor Email, Tutor Phone, and Actions. A search bar at the top right contains the value "T00". The table displays 5 entries out of 7. The first entry is T001 SHU. The last entry is T007 MR RAMA KRISHNAN. The "Actions" column for each row contains three icons: a magnifying glass, a pencil, and a trash can.

Manage Tutors				
Tutor ID	Tutor Name	Tutor Email	Tutor Phone	Actions
T001	SHU	Swiftscout0609@gmail.com	019-8765432	
T002	Puan Nor Azlina Binti Hassan	Azlina.H@edu.com	0198765433	
T003	Mr. Lim Cheng Huat	Lim.Ch@edu.com	0198765434	
T004	Ms. Saraswathy Pillai	Saras.P@edu.com	0198765435	
T007	MR RAMA KRISHNAN	Rama.K@edu.com	019-8765423	

Showing 5 Out Of 7 Entries

First Previous 1 2 Next Last

Searching for “T00” displays information about tutors with id “T00” without reloading the page.

Search by tutor name

Admin | Views Tutor

The screenshot shows a table titled "Manage Tutors" with columns: Tutor ID, Tutor Name, Tutor Email, Tutor Phone, and Actions. A search bar at the top right contains the value "Chan". The table displays 1 entry out of 1. The entry is T017 CHAN SHAO HENG. The "Actions" column for this row contains three icons: a magnifying glass, a pencil, and a trash can.

Manage Tutors				
Tutor ID	Tutor Name	Tutor Email	Tutor Phone	Actions
T017	CHAN SHAO HENG	Choongk471@gmail.com	016-5076821	

Showing 1 Out Of 1 Entries

First Previous 1 Next Last

Searching for “Chan” displays information about tutors with the name that contains “Chan” without reloading the page.

Search by tutor email

dmin | Views Tutor

Manage Tutors					
Tutor ID	Tutor Name	Tutor Email	Tutor Phone	Actions	
T001	SHU	Swiftscout0609@gmail.Com	019-8765432		

Showing 1 Out Of 1 Entries

First Previous **1** Next Last

Searching for “swiftscout0609” displays information about a tutor with email “swiftscout0609@gmail.com” without reloading the page.

Search by tutor phone number

Admin | Views Tutor

Manage Tutors					
Tutor ID	Tutor Name	Tutor Email	Tutor Phone	Actions	
T001	SHU	Swiftscout0609@gmail.Com	019-8765432		
T002	Puan Nor Azlina Binti Hassan	Azlina.H@Edu.Com	0198765433		
T003	Mr. Lim Cheng Huat	Lim.Ch@Edu.Com	0198765434		
T004	Ms. Saraswathy Pillai	Saras.P@Edu.Com	0198765435		
T007	MR RAMA KRISHNAN	Rama.K@Edu.Com	019-8765423		

Showing 5 Out Of 12 Entries

First Previous **1** 2 3 Next Last

Searching for “019” displays information about tutors with a phone number that starts with “019” without reloading the page.

CRUD Operations (Update Tutor)

Admin | Edit Tutor

Edit Tutor

Tutor ID
T001

Tutor Name
WONG LIK KEN

Tutor Email
dr.ahmad@edu.com

Tutor Phone
019-8765432

Tutor Gender
 Female Male

Tutor Profile Photo
 No file chosen


Password

Password Must Contain:

- X At Least 8 Characters
- X One Uppercase Letter
- X One Lowercase Letter
- X One Number
- X One Special Character

This page allows the admin to update the tutor's details, including their name, email, phone number, gender, profile picture, and password. The admin can modify any of these fields and save the changes to keep the tutor's information up to date.

CRUD Operations (Update Tutor) - Invalid Input

The screenshot shows a user interface for updating tutor information. There are three fields with validation messages:

- Tutor Email:** The input "dr.ahmadedu.com" is marked as invalid with the message "Invalid Email Format".
- Tutor Phone:** The input "019-876543" is marked as invalid with the message "Invalid Phone Number Format. Use: 01X-XXXXXXX".
- Password:** The input "..." is marked as invalid with the message "Password Must Be At Least 8 Characters With Uppercase, Lowercase, Number, And Special Character".

Here show some validation to restrict the data entry:

For email:

- Should follow the email format
- Can't be the same to other emails which are already inserted into the system.

For phone number:

- Must not be less than 11 digit.
- Invalid phone number format(01X-XXXXXXX)

For password:

- Must be at least 8 characters long, contain 1 uppercase character and 1 lowercase letter, 1 number and 1 special character.

CRUD Operations (Update Tutor) - Valid Input

Admin | Edit Tutor

Edit Tutor

Tutor ID
T001

Tutor Name
WONG LIK KEN

Tutor Email
dr.ahmad@edu.com

Tutor Phone
019-8765438

Tutor Gender
 Female Male

Tutor Profile Photo
 No file chosen


Password

Password Must Contain:

- At Least 8 Characters
- One Uppercase Letter
- One Lowercase Letter
- One Number
- One Special Character

Update **Cancel**

Success ×

Tutor Has Been Updated And Emailed Successfully.

T001	WONG LIK KEN	Dr.Ahmad@Edu.Com	019-8765438	  
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Once the admin successfully updates a tutor's details, a success message will be displayed at the top of the page to inform the admin that the changes have been saved. This message ensures the admin is notified that the update was successful.

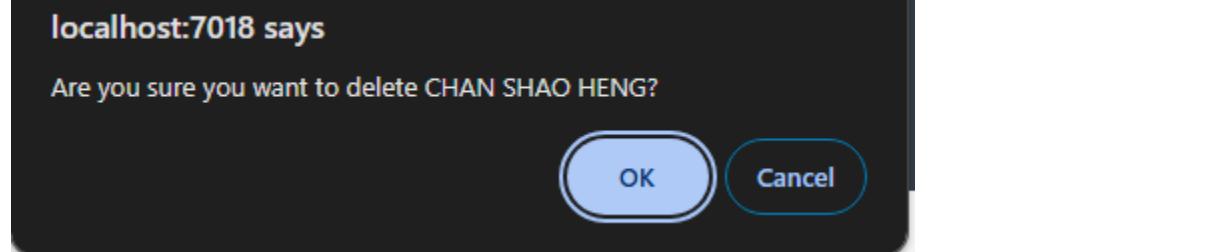
CRUD Operations (Delete Tutor)

Admin | Views Tutor

Manage Tutors				
<input type="text" value="Search"/>				
Tutor ID	Tutor Name	Tutor Email	Tutor Phone	Actions
T013	Mr. Gopal Muniandy	Gopal.M@Edu.Com	0198765444	
T014	Puan Ros Azlina Binti Yusof	Ros.Azlina@Edu.Com	0198765445	
T015	Dr. Tan Wei Ming	Tanwm@Edu.Com	0198765446	
T016	WONG JIN WEN	Wjw@Gmail.Com	012-1234123	
T017	CHAN SHAO HENG	Csh99@Gmail.Com	012-1212121	

Showing 5 Out Of 15 Entries

[First](#) [Previous](#) [1](#) [2](#) [3](#) [Next](#) [Last](#)

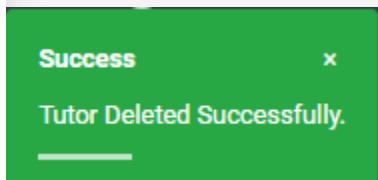


The system will display a confirmation message when the admin attempts to delete a tutor, asking for confirmation before proceeding with the deletion. This ensures that the admin can verify their action and prevent accidental deletions.

Manage Tutors					Search
Tutor ID	Tutor Name	Tutor Email	Tutor Phone	Actions	
T013	Mr. Gopal Muniandy	Gopal.M@Edu.Com	0198765444		
T014	Puan Ros Azlina Binti Yusof	Ros.Azlina@Edu.Com	0198765445		
T015	Dr. Tan Wei Ming	Tanwm@Edu.Com	0198765446		
T016	WONG JIN WEN	Wjw@Gmail.Com	012-1234123		

Showing 4 Out Of 14 Entries

[First](#) [Previous](#) [1](#) [2](#) [3](#) [Next](#) [Last](#)



After the tutor is deleted, the record will be immediately removed from the page without reloading, and an informational message will be displayed to notify the admin that the deletion was successful.

User Listing & Details

Student Listing & Details

Admin | Student Details

Tuition / Admin | Student Details

Wong Yit Loon

Admin | Student Details

Details Student

Student ID
S039

Student Name
WONG LIK KEN

Student Email
kitcho4321@gmail.com

Student Phone
016-5123333

Gender
 Female Male

Verify Status
Pending

Profile Photo


Password
..... 

Back

The admin can view detailed student information on this page, including the student's name, email, phone number, gender, profile picture, and other relevant details. The page provides a clear, organized layout that allows the admin to easily access and review each student's data.

Admin | Views Student

Manage Students					
Student ID ▼	Name	Email	Phone	Verify Status	Actions
S038	WONG LIK KEN	Likken91@Gmail.Com	012-3456797	Verified	 
S037	LIM CHIN PING	Limcp-Am22@student.Tarc.Edu.My	01122334455	Pending	 
S036	LIM CHIN PING	Chinpinglim69@Gmail.Com	01122334455	Verified	 
S034	GAN YONG ZHE	Chock-Am22@student.Tarc.Edu.My	01625076823	Pending	 
S033	CHOONG KIT CHO	Swiftscout0609@Gmail.Com	01625076821	Pending	 
S032	CHOONG KIT CHO	Swiftscout0609@Gmail.Com	016-2507682	Verified	 
S031	CHOONG KIT CHO	Swiftscout0609@Gmail.Com	01625076821	Pending	 
S029	Divya Thiagarajan	Divya.T@Gmail.Com	0123456817	Y	 
S028	Justin Lee	Justin.Lee@Gmail.Com	0123456816	Y	 
S027	Nur Hanisa Binti Hamid	Hanisa.H@Gmail.Com	0123456815	Y	 

Showing 10 Out Of 28 Entries

[First](#) [Previous](#) [1](#) [2](#) [3](#) [Next](#) [Last](#)

This page displays all the students and allows the admin to view, modify, and delete student details. It includes search, sorting, and paging functionalities, all integrated with AJAX to enhance the admin's experience by providing faster, more dynamic interactions without the need for full page reloads.

Tutor Listing & Details

Admin | Views Tutor

Manage Tutors					Search
Tutor ID	Tutor Name	Tutor Email ▼	Tutor Phone	Actions	
T009	Dr. Wong Kim Fatt	Wong.Kf@Edu.Com	0198765440		
T016	WONG JIN WEN	Wjw@Gmail.Com	012-1234123		
T010	Ms. Victoria Joseph	Victoria.J@Edu.Com	0198765441		
T015	Dr. Tan Wei Ming	Tanwm@Edu.Com	0198765446		
T012	Dr. Lee Siew Mei	Siewmei@Edu.Com	0198765443		

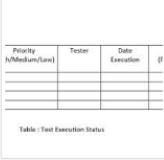
Showing 5 Out Of 15 Entries

First Previous 1 2 3 Next Last

This page allows the admin to view, modify, and delete tutor details, with features like sorting, paging, and searching. These functionalities are integrated with AJAX to enhance the admin's experience by enabling dynamic updates without page reloads.

Admin | Tutor Details

Tutor Detail

Tutor ID	T017
Tutor Name	CHAN SHAO HENG
Email	choongk471@gmail.com
Phone	016-5076821
Gender	<input type="radio"/> Female <input checked="" type="radio"/> Male
Profile Photo	
Password	<input type="password" value="*****"/> Reset

[Back](#)

This page allows the admin to view the tutor's details, including their name, email, phone number, gender, profile picture and other relevant information. It provides a clear and organized display of the tutor's information for easy reference and management.

Update Profile Details (Admin)

Admin | Profile

Profile Information

Admin ID
A001

Full Name
Wong Yit Loon

Update Profile Picture

Choose File No file chosen

Save Profile

Change Password

Current Password

New Password

Confirm New Password

Password Must Contain:

- At Least 8 Characters
- One Uppercase Letter
- One Lowercase Letter
- One Number
- One Special Character

Change Password

This page allows the admin to modify their own details, such as name, profile photo, and password. The admin can update these fields and save the changes to keep their account information current.

Update Profile Details (Admin) - Invalid Input

Full Name

Name Can Only Contain Letters And Spaces

Error message display to inform the user to enter correct info.

Update Profile Details (Admin) - Valid Input

Profile Information

Admin ID

Full Name

Update Profile Picture



Choose File No file chosen

Save Profile

Success ×

Profile Updated Successfully.

Once the admin updates their details correctly, a message will pop up to inform them that the update was successful. This ensures that the admin is notified and confirms the changes have been saved.

Change Password

Change Password

Current Password

New Password

Confirm New Password

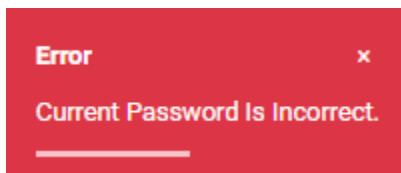
Password Must Contain:

- X At Least 8 Characters
- X One Uppercase Letter
- X One Lowercase Letter
- X One Number
- X One Special Character

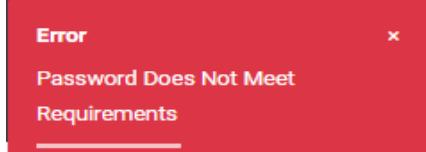
Change Password

This page allows the admin to change their password. The admin can enter a new password, and once successfully updated, a message will pop up to confirm that the password change was successful.

Change Password - Invalid Input



Display when the current password is wrong.



Display when the new password does not meet the requirements.

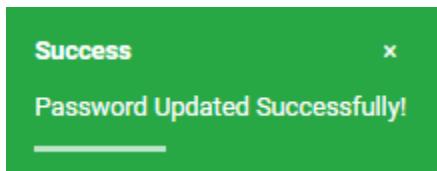
New Password

Confirm New Password

Passwords Do Not Match

Display when both new password and confirm new password are not the same.

Change Password - Valid Input



Once the admin successfully changes their password, a success message will be displayed to inform them that the password update was successful. This ensures that the admin is notified of the change.

Email Notifications (Update Operation) - Student

Student Profile Update Notification 收件箱 ×



🎓 TARUMT Tuition <wmstesting1912@gmail.com>
发送至 我 ▾



Profile Update Notification

Dear WONG SHU SHU,

Your profile has been updated by administrator (ID: A001) on 28/12/2024 15:37:30.

If you did not expect this change, please contact the administrator immediately.

This is an automated message. Please do not reply.

From,

🎓 TARUMT Tuition System

← 回复

→ 转发



Upon successful update, an email notification will be sent to the student's email address, alerting the student administrator that the update has been made.

Email Notifications (Update Operation) - Tutor



TARUMT Tuition <wmstesting1912@gmail.com>

寄給 我 ▾



Profile Update Notification

Dear WONG LIK KEN,

Your profile has been updated by administrator (ID: A001) on 28/12/2024 16:04:42.

...

If you did not expect this change, please contact the administrator immediately.

This is an automated message. Please do not reply.

From,

TARUMT Tuition System

Upon successful update, an email notification will be sent to the tutor's email address alerting the administrator that the update has been made.

AJAX Sorting and Paging (Student)

Admin | Views Student

The screenshot shows a table titled "Manage Students" with columns: Student ID, Name, Email, Phone, Verify Status, and Actions. A search bar labeled "Search" is at the top right. Orange arrows point from the "Manage Students" title, the search bar, and the table header to their respective components. The table contains 10 entries. At the bottom, it says "Showing 10 Out Of 28 Entries" and has a pagination bar with buttons for First, Previous, 1, 2, 3, Next, and Last.

Student ID	Name	Email	Phone	Verify Status	Actions
S040	WONG LIK KEN	Likken99222222@Gmail.Com	016-5123333	Pending	
S039	WONG LIK KEN	Kitcho4321@Gmail.Com	016-5123333	Pending	
S038	LEE WEN JIE	Chock-Am22@Student.Tarc.Edu.My	016-2768232	Verified	
S037	LIM CHIN PING	Limcp-Am22@Student.Tarc.Edu.My	011-22334455	Pending	
S036	LIM CHIN PING	Chinpinglim69@Gmail.Com	01122334455	Verified	
S035	LIM CHIN PING	Choongk471@Gmail.Com	011-22334455	Pending	
S029	DIVYA THIAGARAJAN	Divyassssssssssss.T@Gmail.Com	012-3456817	Pending	
S028	JUSTIN LEE	Justinlee@Gmail.Com	012-3456816	Verified	
S027	Nur Hanisa Binti Hamid	Hanisa.H@Gmail.Com	0123456815	Y	
S026	Bryan Tan	Bryan.Tan@Gmail.Com	0123456814	Y	

Showing 10 Out Of 28 Entries

First Previous 1 2 3 Next Last

Each of the sorting functions uses the up and down arrows to sort Student ID, Name, Email, Phone, and Verification Status in alphabetical or numerical ascending or descending order.

The screenshot shows a table titled "Manage Students" with columns: Student ID, Name, Email, Phone, Verify Status, and Actions. A search bar labeled "Search" is at the top right. An orange arrow points from the "Actions" column to the table body. The table contains 8 entries. At the bottom, it says "Showing 8 Out Of 28 Entries" and has a pagination bar with buttons for First, Previous, 1, 2, 3, Next, and Last.

Student ID	Name	Email	Phone	Verify Status	Actions
S028	JUSTIN LEE	Justinlee@Gmail.Com	012-3456816	Verified	
S029	DIVYA THIAGARAJAN	Divyassssssssssss.T@Gmail.Com	012-3456817	Pending	
S035	LIM CHIN PING	Choongk471@Gmail.Com	011-22334455	Pending	
S036	LIM CHIN PING	Chinpinglim69@Gmail.Com	01122334455	Verified	
S037	LIM CHIN PING	Limcp-Am22@Student.Tarc.Edu.My	011-22334455	Pending	
S038	LEE WEN JIE	Chock-Am22@Student.Tarc.Edu.My	016-2768232	Verified	
S039	WONG LIK KEN	Kitcho4321@Gmail.Com	016-5123333	Pending	
S040	WONG LIK KEN	Likken99222222@Gmail.Com	016-5123333	Pending	

Showing 8 Out Of 28 Entries

First Previous 1 2 3 Next Last

Pagination functions include: "First Page" button for returning to the first page; "Preview" button for previewing the page; "Next Page" button for the next page; "Last Page" button for the last page; '1,2,3' button for displaying 10 student records on one page.

AJAX Sorting and Paging (Tutor)

Admin | Views Tutor

Manage Tutors				
Tutor ID	Tutor Name	Tutor Email	Tutor Phone	Actions
T001	SHU	Swiftscout0609@gmail.com	019-8765432	
T002	Puan Nor Azlina Binti Hassan	Azlina.H@Edu.Com	0198765433	
T003	Mr. Lim Cheng Huat	Lim.Ch@Edu.Com	0198765434	
T004	Ms. Saraswathy Pillai	Saras.P@Edu.Com	0198765435	
T007	MR RAMA KRISHNAN	Rama.K@Edu.Com	019-8765423	

Showing 5 Out Of 14 Entries

First Previous 1 2 3 Next Last

Each of the sorting functions uses the up and down arrows to sort tutor ID, tutor name, tutor email and tutor phone, in alphabetical or numerical ascending or descending order.

Admin | Views Tutor

Manage Tutors				
Tutor ID	Tutor Name	Tutor Email	Tutor Phone	Actions
T001	SHU	Swiftscout0609@gmail.com	019-8765432	
T002	Puan Nor Azlina Binti Hassan	Azlina.H@Edu.Com	0198765433	
T003	Mr. Lim Cheng Huat	Lim.Ch@Edu.Com	0198765434	
T004	Ms. Saraswathy Pillai	Saras.P@Edu.Com	0198765435	
T007	MR RAMA KRISHNAN	Rama.K@Edu.Com	019-8765423	

Showing 5 Out Of 14 Entries

First Previous 1 2 3 Next Last

Pagination functions include: “First Page” button for returning to the first page; “Preview” button for previewing the page; “Next Page” button for the next page; “Last Page” button for the last page; ‘1,2,3’ button for displaying 5 tutor records on one page.

2. Attendance Management (Admin)

Attendance Listing & Detail

Admin | View Attendance

Attendance Records		Date Range	Status Filter	Search student...
Date	Student			Class
26/12/2024	LIM CHIN PING		Present	Account Pro
25/12/2024	Bryan Tan		Present	Science 5B
25/12/2024	Nur Hanisa Binti Hamid		Present	Science 5B
25/12/2024	Siti Aishah Binti Kamal		Present	Science 5B
25/12/2024	Justin Lee		Present	Science 5B
25/12/2024	Divya Thiagarajan		Present	Science 5B
25/12/2024	Lim Xiao Mei		Present	Science 5B
25/12/2024	Nurin Sofiya Binti Azhar		Present	Science 5B
25/12/2024	Kumar Ramasamy		Present	Science 5B
25/12/2024	Nicholas Chin		Present	Science 5B
Showing 10 Out Of 71 Entries		First	Previous	1 2 3 4 5 6 7 8 Next Last

This page allows the admin to view all the student's attendance, with features such as sorting, paging, searching, filtering by date range and filtering by attendance status. These functionalities help the admin efficiently manage attendance data.

Attendance Filtering

Date range filtering

Admin | View Attendance

Attendance Records			
06/12/2024	19/12/2024	All Status	lim
Date	Student	Status	Class
08/12/2024	Lim Xiao Mei	Present	BM Elite

Showing 1 Out Of 1 Entries

First Previous 1 Next Last

[View Report](#) [Export Report](#) [Export PDF](#) [Export CSV](#)

Filtering for dates between December 6, 2024 and December 19, 2024 shows attendance records for exactly that date.

Status filtering

Admin | View Attendance

Attendance Records			
dd/mm/yyyy	dd/mm/yyyy	Present	Search student...
Date	Student	Status	Class
26/12/2024	LIM CHIN PING	Present	Account Pro
25/12/2024	Bryan Tan	Present	Science 5B
25/12/2024	Nur Hanisa Binti Hamid	Present	Science 5B
25/12/2024	Siti Aishah Binti Kamal	Present	Science 5B
25/12/2024	Justin Lee	Present	Science 5B
25/12/2024	Divya Thiagarajan	Present	Science 5B
25/12/2024	Lim Xiao Mei	Present	Science 5B
25/12/2024	Nicholas Chin	Present	Science 5B
25/12/2024	Alex Loh Jun Hao	Present	Science 5B
25/12/2024	Sarah Lee Ming Yi	Present	Science 5B

Showing 10 Out Of 62 Entries

First Previous 1 2 3 4 5 6 7 Next Last

Filtering for status present or absent that shows attendance records for exactly that status.

AJAX Searching, Sorting and Paging

Attendance Records		Date dd/mm/yyyy	dd/mm/yyyy	All Status	Search student...	
Date	Student				Status	Class
15/11/2024	Mohammad Imran Bin Ismail			Present		Math 5A
15/11/2024	Lim Xiao Mei			Present		Math 5A
15/11/2024	Adam Bin Malik			Present		Math 5A
15/11/2024	Sarah Lee Ming Yi			Present		Math 5A
15/11/2024	Kumar Ramasamy			Present		Math 5A
22/11/2024	Nurin Sofiya Binti Azhar			Present		BM Elite
22/11/2024	Alex Loh Jun Hao			Absent		BM Elite
22/11/2024	Farah Adila Binti Rahman			Present		BM Elite
22/11/2024	Nicholas Chin			Present		BM Elite

Each of the sorting functions uses the up and down arrows to sort date, student name and status in alphabetical or numerical ascending or descending order.

Attendance Records		Date dd/mm/yyyy	dd/mm/yyyy	All Status	Search student...	
Date	Student				Status	Class
15/11/2024	Mohammad Imran Bin Ismail			Present		Math 5A
15/11/2024	Lim Xiao Mei			Present		Math 5A
15/11/2024	Adam Bin Malik			Present		Math 5A
15/11/2024	Sarah Lee Ming Yi			Present		Math 5A
15/11/2024	Kumar Ramasamy			Present		Math 5A
22/11/2024	Nurin Sofiya Binti Azhar			Present		BM Elite
22/11/2024	Ales Loh Jun Hao			Absent		BM Elite
22/11/2024	Farah Adila Binti Rahman			Present		BM Elite
22/11/2024	Nicholas Chin			Present		BM Elite
22/11/2024	Siti Aishah Binti Kamal			Present		BM Elite

Showing 10 Out Of 102 Entries

First Previous 1 2 3 4 5 6 7 8 9 10 11 Next Last

Pagination functions include: “First Page” button for returning to the first page; “Preview” button for previewing the page; “Next Page” button for the next page; “Last Page” button for the last page; ‘1,2,3’ button for displaying 10 attendance records on one page.

Search by student name

Admin | View Attendance

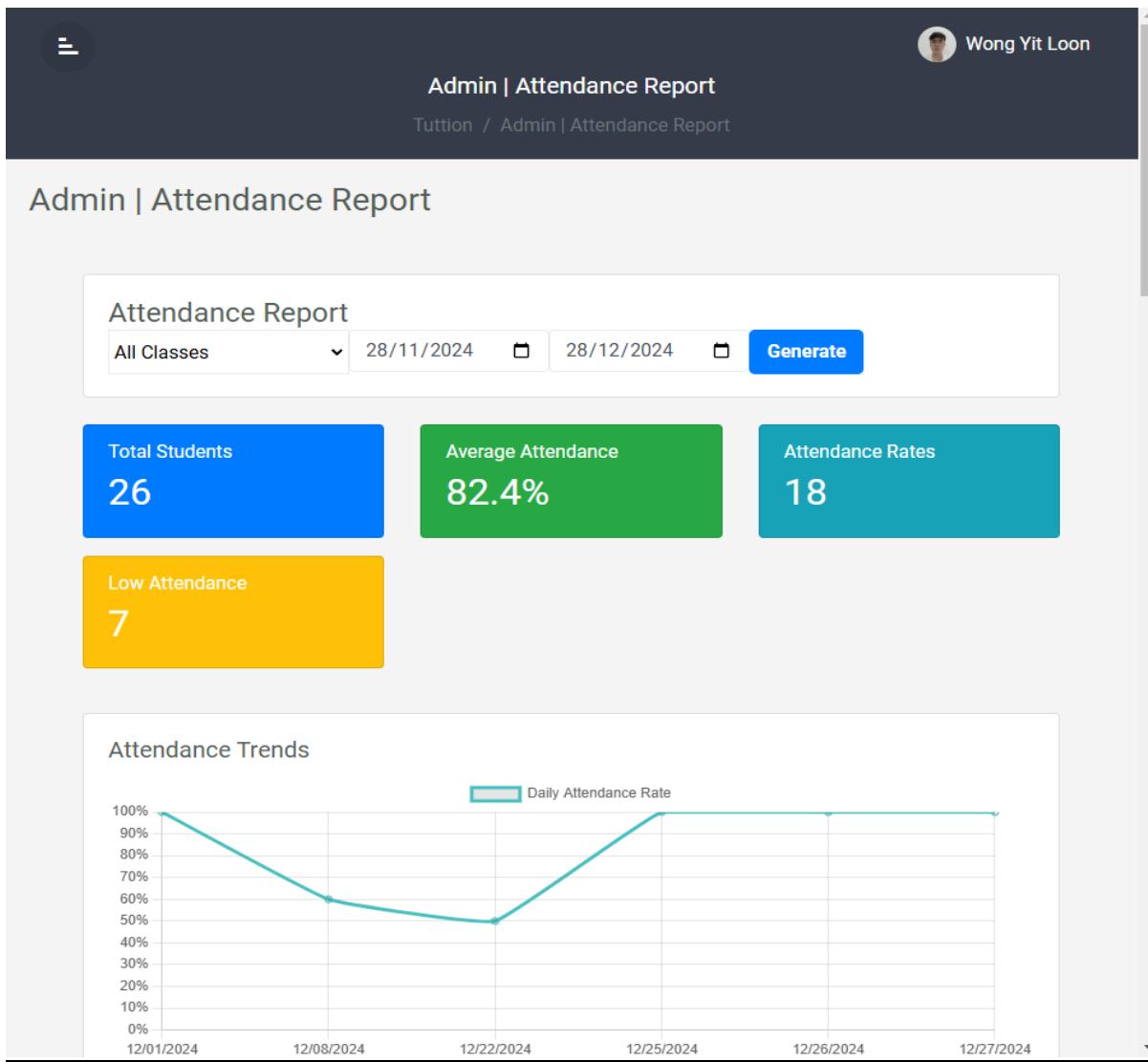
Attendance Records		Date dd/mm/yyyy	Date dd/mm/yyyy	Status All Status	lim
Date ▲	Student	Status			Class
15/11/2024	Lim Xiao Mei	Present			Math 5A
08/12/2024	Lim Xiao Mei	Present			BM Elite
25/12/2024	Lim Xiao Mei	Present			Science 5B
25/12/2024	Lim Xiao Mei	Present			Science 5B
26/12/2024	LIM CHIN PING	Present			Account Pro

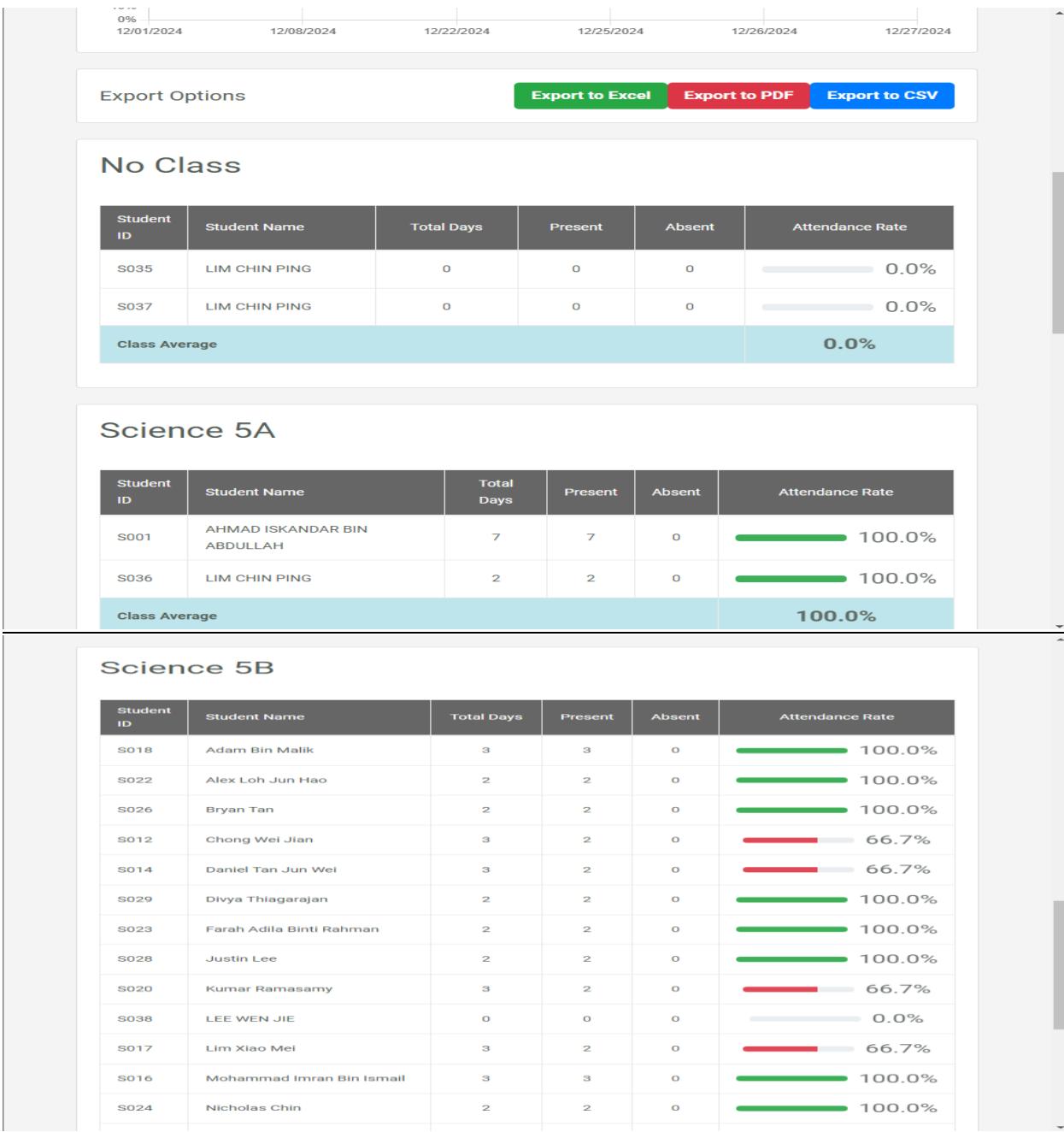
Showing 5 Out Of 5 Entries

First Previous 1 Next Last

Searching for “lim” displays information about students with names that contains “lim” without reloading the page.

Charts for Reporting (Line Chart)





These charts and tables provide admins with a clear overview of attendance data, offering insights into patterns and trends. They also enable admins to generate detailed reports for analysis and decision-making efficiently.

Generate Attendance Reports (Excel, PDF, CSV)

Admin | View Attendance

Attendance Records		dd/mm/yyyy	dd/mm/yyyy	All	Search student...
Date	Student	Status		Class	
26/12/2024	LIM CHIN PING	Present		Account Pro	
25/12/2024	Bryan Tan	Present		Science 5B	
25/12/2024	Nur Hanisa Binti Hamid	Present		Science 5B	
25/12/2024	Siti Aishah Binti Kamal	Present		Science 5B	
25/12/2024	Justin Lee	Present		Science 5B	
25/12/2024	Divya Thiagarajan	Present		Science 5B	
25/12/2024	Lim Xiao Mei	Present		Science 5B	
25/12/2024	Nurin Sofiya Binti Azhar	Present		Science 5B	
25/12/2024	Kumar Ramasamy	Present		Science 5B	
25/12/2024	Nicholas Chin	Present		Science 5B	

Showing 10 Out Of 71 Entries

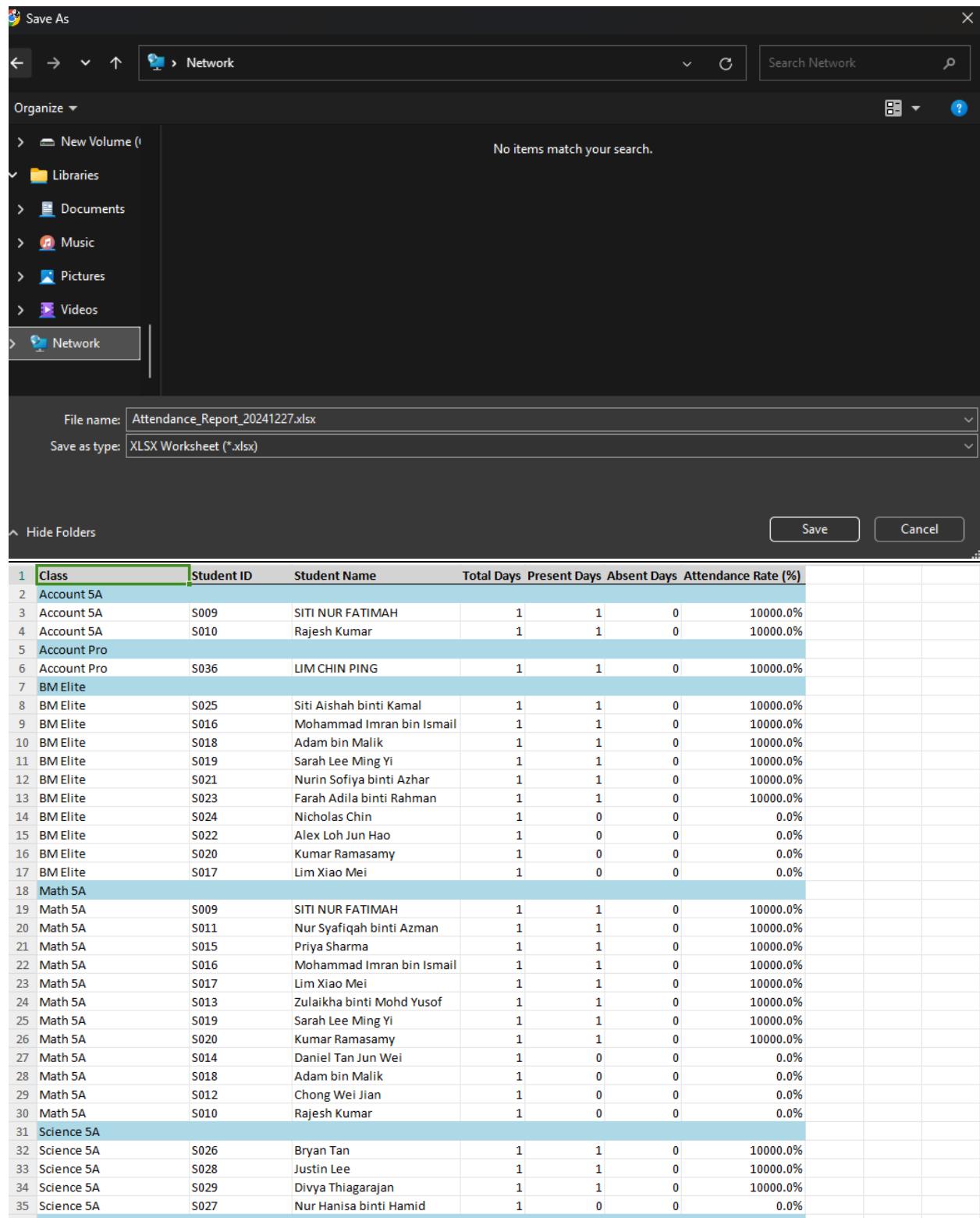
First Previous 1 2 3 4 5 6 7 8 Next Last

[View Report](#) [Export Report](#) [Export PDF](#) [Export CSV](#)

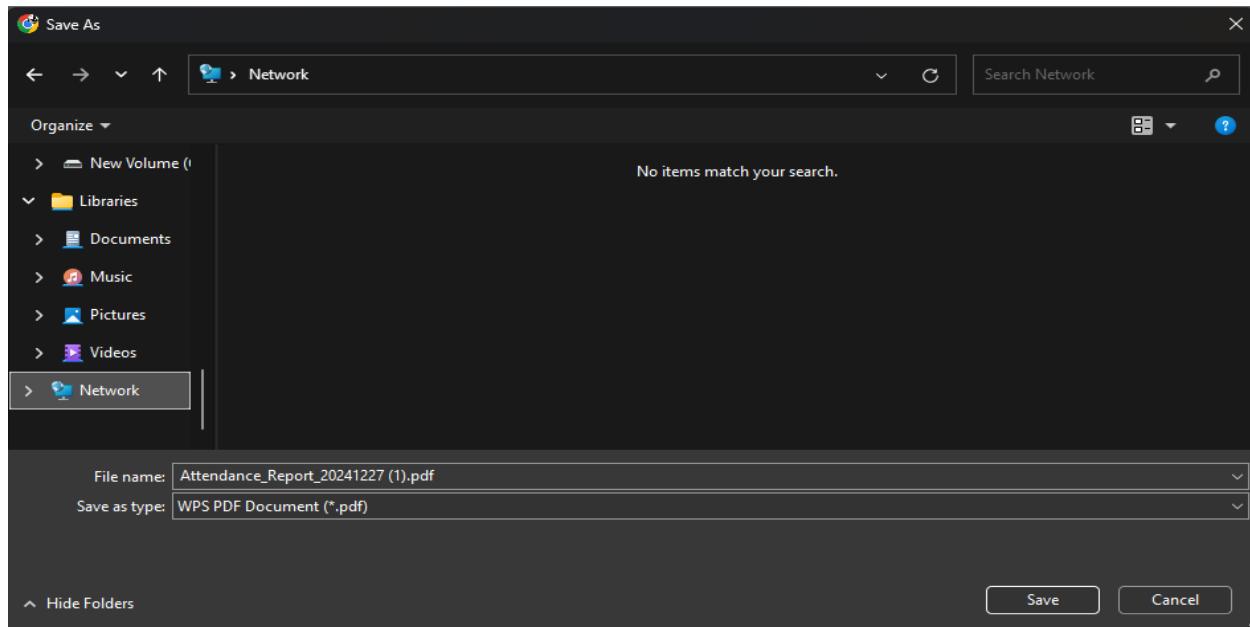


The admin can export reports in various file types, such as PDF, Excel, or CSV, to suit different needs. This feature ensures flexibility in data handling, allowing the admin to save, share, and analyze reports in the most convenient format.

Export report option



Export PDF option

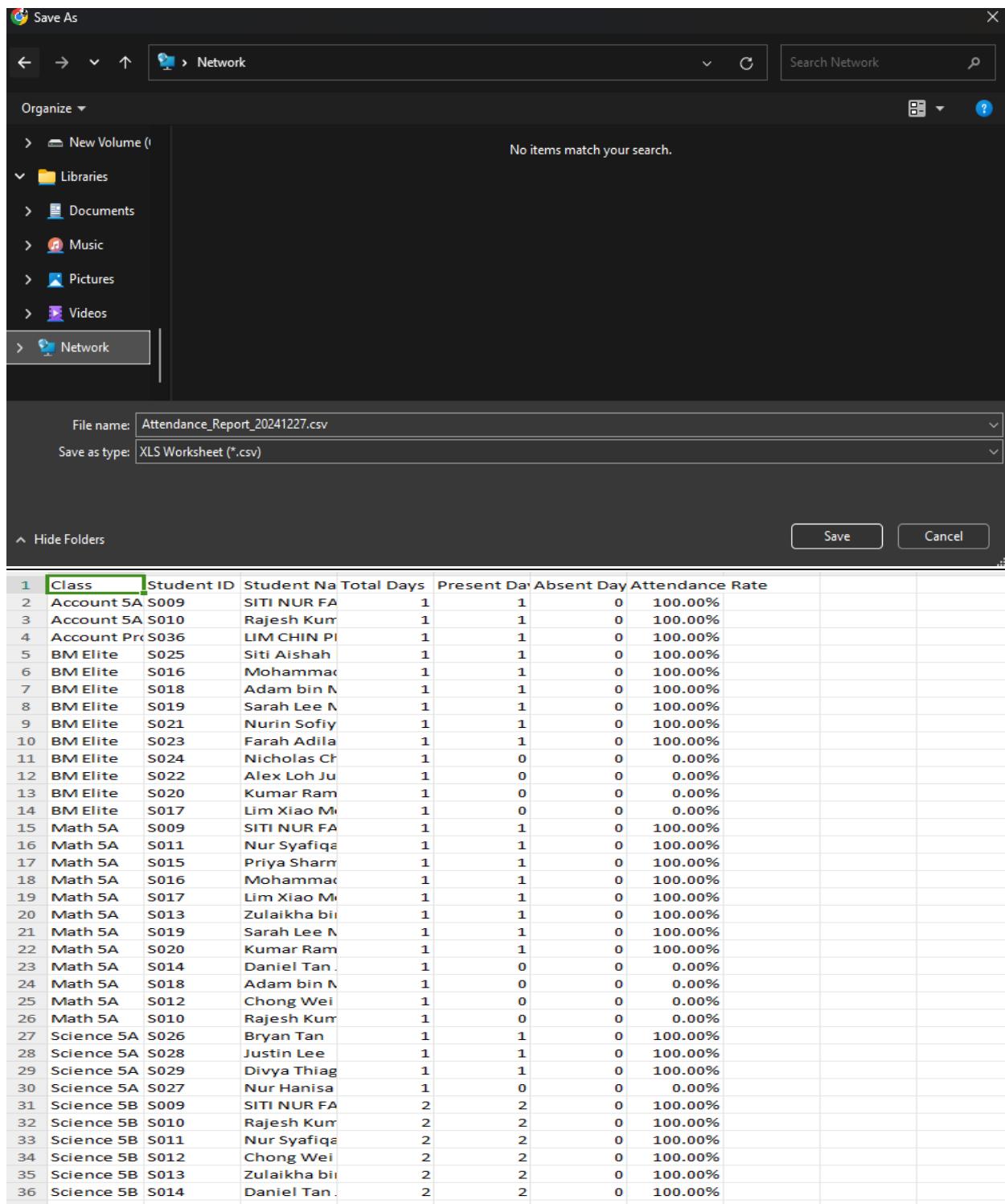


Attendance Report

Date Range: All time - Present

Class	Student ID	Student Name	Total Days	Present Days	Absent Days	Attendance Rate
Account 5A						
Account 5A	S009	SITI NUR FATIMAH	1	1	0	100.0%
Account 5A	S010	Rajesh Kumar	1	1	0	100.0%
Account Pro						
Account Pro	S036	LIM CHIN PING	1	1	0	100.0%
BM Elite						
BM Elite	S025	Siti Aishah binti Kamal	1	1	0	100.0%
BM Elite	S016	Mohammad Imran bin Ismail	1	1	0	100.0%
BM Elite	S018	Adam bin Malik	1	1	0	100.0%
BM Elite	S019	Sarah Lee Ming Yi	1	1	0	100.0%
BM Elite	S021	Nurin Sofiya binti Azhar	1	1	0	100.0%
BM Elite	S023	Farah Adila binti Rahman	1	1	0	100.0%
BM Elite	S024	Nicholas Chin	1	0	0	0.0%
BM Elite	S022	Alex Loh Jun Hao	1	0	0	0.0%
BM Elite	S020	Kumar Ramasamy	1	0	0	0.0%
BM Elite	S017	Lim Xiao Mei	1	0	0	0.0%
Math 5A						
Math 5A	S009	SITI NUR FATIMAH	1	1	0	100.0%
Math 5A	S011	Nur Syafiqah binti Azman	1	1	0	100.0%
Math 5A	S015	Priya Sharma	1	1	0	100.0%
Math 5A	S016	Mohammad Imran bin Ismail	1	1	0	100.0%
Math 5A	S017	Lim Xiao Mei	1	1	0	100.0%
Math 5A	S013	Zulaikha binti Mohd Yusof	1	1	0	100.0%
Math 5A	S019	Sarah Lee Ming Yi	1	1	0	100.0%

Export CSV Option



3. Schedule Maintenance (Admin)

Schedule Maintenance (CRUD) - Create Schedule / Generate Attendance Code

Admin | Add Schedule

Insert Schedule

Schedule ID
SCH044

Attendance Code
142174

Class
Select Class

Date
27/12/2024

Time
12:00 AM

Start Time
12:00 AM

End Time
12:00 AM

Subjects And Tutors

Matematik
 Bahasa Melayu
 English
 Fizik
 Kimia
 Biologi
 Sejarah
 Add Maths
 Ekonomi
 Prinsip Perakaunan

[Back To List](#) [Create Schedule](#)

This page allows the admin to insert a new schedule by entering relevant details such as class timings, tutor assignments. It provides a user-friendly interface for the admin to efficiently add and organize upcoming sessions.

Schedule Maintenance (CRUD) - Create Schedule - Invalid Input

Time

⌚

Class Time Must Be Between 8:00 AM And 5:00 PM

Display when the time input is invalid.

Start Time

End Time

⌚

Class Duration Must Be Between 1 And 4 Hours

Display when the time range is longer than 4 hours.

Schedule Maintenance (CRUD) - Create Schedule - Valid Input

Insert Schedule

Schedule ID

SCH047

Attendance Code

241143

Class

Science 5B

Date

28/12/2024 

Time

05:00 PM 

Start Time

05:00 PM

End Time

07:00 PM 

Subjects And Tutors

Matematik

WONG LIK KEN 

Bahasa Melayu

English

Fizik

Kimia

Biologi

Sejarah

Add Maths

Ekonomi

Prinsip Perakaunan

[Back To List](#) [Create Schedule](#)

Manage Schedules		Date	Start Time	End Time	Class	Subjects	Tutors	Attendance Code	Actions
					dd/mm/yyyy	Search class or subject..			
27/12/2024	09:00 AM		11:00 AM		Account 5A	Matematik	WONG LIK KEN	HU234	 
27/12/2024	10:00 AM		12:00 PM		Science 5B	Matematik	WONG LIK KEN	348058	 
28/12/2024	08:00 AM		12:00 PM		Account 5A	Matematik	WONG LIK KEN	296842	 
28/12/2024	05:00 PM		07:00 PM		Science 5B	Matematik	WONG LIK KEN	241143	 

Showing 4 Out Of 44 Entries

[First](#) [Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) [Next](#) [Last](#)**Success**

Schedule Added Successfully!

When a new schedule is successfully inserted, a success message will pop up to inform the admin and the newly added schedule will appear in the listing. This ensures that the admin is notified and can immediately see the updated schedule.

Schedule Maintenance (CRUD) - Retrieve Schedule

Search by subject

The screenshot shows a table titled "Manage Schedules" with columns: Date, Start Time, End Time, Class, Subjects, Tutors, Attendance Code, and Actions. A search bar at the top right contains the text "Matematik". A red box highlights the "Subjects" column, which lists "Matematik" for all rows. The table has 6 entries, and the footer shows "Showing 6 Out Of 6 Entries" and navigation buttons.

Date	Start Time	End Time	Class	Subjects	Tutors	Attendance Code	Actions
25/12/2024	02:30 PM	04:30 PM	Science SB	Matematik	WONG LIK KEN	420252	
27/12/2024	08:00 AM	09:00 AM	Science SB	Matematik	WONG LIK KEN	746145	
27/12/2024	09:00 AM	11:00 AM	Account SA	Matematik	WONG LIK KEN	HUJ234	
27/12/2024	10:00 AM	12:00 PM	Science SB	Matematik	WONG LIK KEN	348058	
28/12/2024	08:00 AM	12:00 PM	Account SA	Matematik	WONG LIK KEN	296842	
28/12/2024	05:00 PM	07:00 PM	Science SB	Matematik	WONG LIK KEN	241143	

Searching for “Matematik” displays information about subjects with the name that contains “Matematik” without reloading the page.

Search by class name

The screenshot shows a table titled "Manage Schedules" with columns: Date, Start Time, End Time, Class, Subjects, Tutors, Attendance Code, and Actions. A search bar at the top right contains the text "Science 5B". A red box highlights the "Class" column, which lists "Science 5B" for all rows. The table has 6 entries, and the footer shows "Showing 6 Out Of 6 Entries" and navigation buttons.

Date	Start Time	End Time	Class	Subjects	Tutors	Attendance Code	Actions
08/11/2024	04:30 PM	06:30 PM	Science 5B			STU901	
22/11/2024	04:30 PM	06:30 PM	Science 5B			WXY901	
25/12/2024	02:30 PM	04:30 PM	Science 5B	Matematik	WONG LIK KEN	420252	
27/12/2024	08:00 AM	09:00 AM	Science 5B	Matematik	WONG LIK KEN	746145	
27/12/2024	10:00 AM	12:00 PM	Science 5B	Matematik	WONG LIK KEN	348058	
28/12/2024	05:00 PM	07:00 PM	Science 5B	Matematik	WONG LIK KEN	241143	

Searching for “Science 5B” displays information about classes with the name that contains “Science 5B” without reloading the page.

Schedule Maintenance (CRUD) - Update Schedule

Admin | Edit Schedule

Class
Science 5B

Attendance Code
241143

Date
28/12/2024 

Time
02:00 PM 

Start Time
02:00 PM

End Time
05:00 PM 

Subjects And Tutors

Matematik

WONG LIK KEN 

Bahasa Melayu

English

Fizik

Kimia

Biologi

Sejarah

Add Maths

Ekonomi

Prinsip Perakaunan

[Back To List](#) [Update Schedule](#)

This page allows the admin to update the schedule details, such as class timings, tutor assignments, and other relevant information. The admin can modify these details and save the changes to ensure the schedule is accurate and up to date.

Schedule Maintenance (CRUD) - Update Schedule - Invalid Input

Date

□

Schedule Date Cannot Be In The Past

Display while the date is already past.

Time

⌚

Class Time Must Be Between 8:00 AM And 10:00 PM

Display while the input time is invalid.

End Time

⌚

Class Duration Must Be Between 1 And 4 Hours

Display while the range of the time is longer than 4 hours.

Schedule Maintenance (CRUD) - Update Schedule - Valid Input

Admin | Edit Schedule

Class

Account 5A

Attendance Code

241143

Date

28/12/2024

Time

04:00 PM

Start Time

02:00 PM

End Time

07:00 PM

Subjects And Tutors

Matematik

Bahasa Melayu

English

Fizik

Kimia

Biologi

Sejarah

Add Maths

Ekonomi

Prinsip Perakaunan

WONG JIN WEN

[Back To List](#) [Update Schedule](#)

Success ×

Schedule Updated Successfully.

Admin | View Schedules

Manage Schedules							
Date	Start Time	End Time	Class	Subjects	Tutors	Attendance Code	Actions
22/12/2024	02:00 PM	04:00 PM	Science 5A			BCD678	✓ █
23/12/2024	02:00 PM	04:00 PM	Math 5A			KLM567	✓ █
24/12/2024	09:00 AM	11:00 AM	BM Elite			NOP890	✓ █
25/12/2024	02:30 PM	04:30 PM	Science 5B	Matematik	WONG LIK KEN	4020252	✓ █
26/12/2024	12:00 PM	04:00 PM	Account Pro	Prinsip Perakaunan	WONG JIN WEN	9401140	✓ █
27/12/2024	08:00 AM	09:00 AM	Science 5B	Matematik	WONG LIK KEN	7461145	✓ █
27/12/2024	09:00 AM	11:00 AM	Account 5A	Matematik	WONG LIK KEN	HUJ234	✓ █
27/12/2024	10:00 AM	12:00 PM	Science 5B	Matematik	WONG LIK KEN	348058	✓ █
28/12/2024	08:00 AM	12:00 PM	Account 5A	Matematik	WONG LIK KEN	296842	✓ █
28/12/2024	04:00 PM	07:00 PM	Account 5A	Prinsip Perakaunan	WONG JIN WEN	2411143	✓ █

Showing 10 Out Of 50 Entries

First Previous 1 2 3 Next Last

When the schedule is successfully edited, the system will redirect the admin to the schedule list page and display a success message in the top right corner to confirm the update. This provides immediate feedback and ensures the changes have been saved.

Schedule Maintenance (CRUD) - Delete Schedule

Admin | View Schedules

Manage Schedules			Date	Start Time	End Time	Class	Subjects	Tutors	Actions
dd/mm/yyyy	dd/mm/yyyy	dd/mm/yyyy	02/11/2024	02:00 PM	04:00 PM	Math 5A			 
All Classes	All Classes	All Classes	03/11/2024	09:00 AM	11:00 AM	BM Elite			 
Search class or subject...	Search class or subject...	Search class or subject...	08/11/2024	02:00 PM	04:00 PM	Science 5A			 
			08/11/2024	04:30 PM	06:30 PM	Science 5B			 
			09/11/2024	09:00 AM	11:00 AM	Account 5A			 
			09/11/2024	02:00 PM	04:00 PM	Math 5A			 
			10/11/2024	09:00 AM	11:00 AM	BM Elite			 
			15/11/2024	02:00 PM	04:00 PM	Physics Pro			 
			15/11/2024	04:30 PM	06:30 PM	Chem Master			 
			16/11/2024	09:00 AM	11:00 AM	Bio Elite			 

Showing 10 Out Of 42 Entries

First Previous 1 2 3 4 5 Next Last

localhost:7018 says

Are you sure you want to delete this schedule?



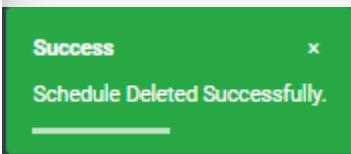
When the admin attempts to delete a schedule, a confirmation message will pop up to confirm the action before proceeding with the deletion. This ensures that the admin verifies the action and prevents accidental deletions.

Admin | View Schedules

Manage Schedules				Date	Start Time	End Time	Class	Subjects	Tutors	Actions
				dd/mm/yyyy			All Classes	Search class or subject...		
03/11/2024	09:00 AM		11:00 AM		BM Elite					
08/11/2024	02:00 PM		04:00 PM		Science 5A					
08/11/2024	04:30 PM		06:30 PM		Science 5B					
09/11/2024	09:00 AM		11:00 AM		Account 5A					
09/11/2024	02:00 PM		04:00 PM		Math 5A					
10/11/2024	09:00 AM		11:00 AM		BM Elite					
15/11/2024	02:00 PM		04:00 PM		Physics Pro					
15/11/2024	04:30 PM		06:30 PM		Chem Master					
16/11/2024	09:00 AM		11:00 AM		Bio Elite					
16/11/2024	02:00 PM		04:00 PM		English Pro					

Showing 10 Out Of 41 Entries

[First](#) [Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) [Next](#) [Last](#)



After the admin confirms the deletion, the schedule record will be removed, and a success message will be displayed to inform the admin that the deletion was successful. This ensures the admin is notified and the schedule is updated accordingly.

Schedule Listing and Details

Schedule Calendar

Admin | Schedule Calendar

Schedule Calendar

[«](#) [»](#) [today](#)

December 2024

[month](#) [week](#) [day](#)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 2p Physics Pro - 4:30p Chem Master	2 9a Bio Elite - 2p English Pro -	3 9a Account Pro -	4	5	6	7
8 2p Science 5A - 4:30p Science 5B -	9 9a Account 5A - 2p Math 5A -	10 9a BM Elite -	11	12	13	14
15 2p Physics Pro - 4:30p Chem Master	16 9a Bio Elite - 2p English Pro -	17 9a Account Pro -	18	19	20	21
22 2p Science 5A - 4:30p Science 5B -	23 2p Math 5A -	24 9a BM Elite -	25 2a Science 5B - Mate 2:30p Science 5B - M	26 12p Account Pro - P 12p Account 5A - Matem	27 8a Math 5A - Matem 8a Account 5A - Prin	28 12p Account 5A - Matem
29	30	31	1	2	3	4
5	6	7	8	9	10	11

This page allows the admin to view all schedules across different time ranges, such as month, week, and day. The admin can select and view specific months, weeks, or days to efficiently manage and track schedules.

Month option

Admin | Schedule Calendar

Schedule Calendar

December 2024

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 2p Physics Pro - 4:30p Chem Master	2 9a Bio Elite - 2p English Pro -	3 9a Account Pro -	4	5	6	7
8 2p Science 5A - 4:30p Science 5B -	9 9a Account 5A - 2p Math 5A -	10 9a BM Elite -	11	12	13	14
15 2p Physics Pro - 4:30p Chem Master	16 9a Bio Elite - 2p English Pro -	17 9a Account Pro -	18	19	20	21
22 2p Science 5A - 4:30p Science 5B -	23 2p Math 5A -	24 9a BM Elite -	25 2a Science 5B - Mat 2:30p Science 5B - M	26 12p Account Pro - P	27 8a Math 5A - Matematik 8a Account 5A - Prinsip 12p Account 5A - Mat	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Week option

Admin | Schedule Calendar

Schedule Calendar

Dec 22 – 28, 2024

	Sun 12/22	Mon 12/23	Tue 12/24	Wed 12/25	Thu 12/26	Fri 12/27	Sat 12/28
All-Day							
6am				Science 5B - Matematik			
7am							
8am							
9am			9:00-11:00 BM Elite -			8:00-11:00 Math 5A - Matematik 8:00-10:00 Account 5A - Prinsip Perekuanan	
10am							
11am							
12pm					12:00-4:00 Account Pro - Prinsip Perekuanan	12:00-2:00 Account 5A - Matematik	
1pm							
2pm	2:00-4:00 Science 5A -	2:00-4:00 Math 5A -		2:30-4:30 Science 5B - Matematik			
3pm							
4pm	4:30-6:30 Science 5B -						

Day option

Admin | Schedule Calendar

Schedule Calendar

< > today December 27, 2024 month week day

Friday

All-Day	3am	4am	5am	6am	7am	8am	9am	10am	11am	12pm	1pm
						8:00 - 11:00 Math 5A - Matematik				8:00 - 10:00 Account 5A - Prinsip Perakaunan	

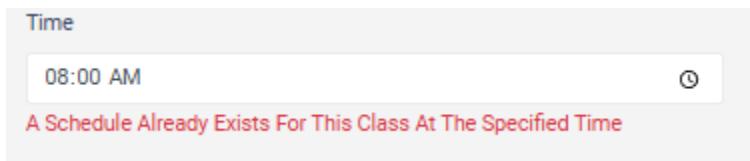
The screenshot displays a 'Schedule Calendar' interface. At the top, there are navigation buttons for 'month', 'week', and 'day'. The date 'December 27, 2024' is centered above the main grid. The grid itself is labeled 'Friday' at the top. The vertical axis on the left lists times from 'All-Day' down to '1pm'. The horizontal axis shows specific events: from 8:00 to 11:00, there is a green block for 'Math 5A - Matematik'; from 8:00 to 10:00, there is a green block for 'Account 5A - Prinsip Perakaunan'; and from 12:00 to 1:00, there is a green block for 'Account 5A - Matematik'. The interface includes scroll bars on the right side of the grid.

View schedules page (Schedule Listing)

Manage Schedules							
Date	Start Time	End Time	Class	Subjects	Tutors	Attendance Code	Actions
22/12/2024	02:00 PM	04:00 PM	Science 5A			BCD678	
23/12/2024	02:00 PM	04:00 PM	Math 5A			KLM567	
24/12/2024	09:00 AM	11:00 AM	BM Elite			NOP890	
25/12/2024	02:30 PM	04:30 PM	Science 5B	Matematik	WONG LIK KEN	420252	
26/12/2024	12:00 PM	04:00 PM	Account Pro	Prinsip Perakaunan	WONG JIN WEN	940140	
27/12/2024	08:00 AM	09:00 AM	Science 5B	Matematik	WONG LIK KEN	746145	
27/12/2024	09:00 AM	11:00 AM	Account 5A	Matematik	WONG LIK KEN	HU234	
27/12/2024	10:00 AM	12:00 PM	Science 5B	Matematik	WONG LIK KEN	348058	
28/12/2024	08:00 AM	12:00 PM	Account 5A	Matematik	WONG LIK KEN	296842	
28/12/2024	05:00 PM	07:00 PM	Science 5B	Matematik	WONG LIK KEN	241143	

This page allows the admin to view the schedule in a list format with features such as sorting, filtering, paging, and searching, all integrated with AJAX for seamless interaction. These functionalities help the admin efficiently manage and navigate through the schedule without page reloads.

Conflict Detection for Time and Class Availability



Display while the same class has another schedule at the same time.

AJAX Integration for Filtering and Sorting

The screenshot shows a table of schedule entries with several UI elements highlighted by red arrows:

- Manage Schedules**: A button at the top left.
- Date Filter**: A dropdown menu set to "01/01/2024".
- Class Filter**: A dropdown menu set to "All Classes".
- Search Bar**: A text input field containing "Search class or subject...".

Date	Start Time	End Time	Class	Subjects	Tutors	Attendance Code	Actions
22/12/2024	02:00 PM	04:00 PM	Science SA			BCD678	
23/12/2024	02:00 PM	04:00 PM	Math SA			KLM567	
24/12/2024	09:00 AM	11:00 AM	BM Elite			NOP890	
25/12/2024	02:30 PM	04:30 PM	Science SB	Matematik	WONG LIK KEN	420252	
26/12/2024	12:00 PM	04:00 PM	Account Pro	Prinsip Perakaunan	WONG JIN WEN	940140	
27/12/2024	08:00 AM	09:00 AM	Science SB	Matematik	WONG LIK KEN	746145	
27/12/2024	09:00 AM	11:00 AM	Account SA	Matematik	WONG LIK KEN	HUJ234	
27/12/2024	10:00 AM	12:00 PM	Science SB	Matematik	WONG LIK KEN	348058	
28/12/2024	08:00 AM	12:00 PM	Account SA	Matematik	WONG LIK KEN	296842	
28/12/2024	05:00 PM	07:00 PM	Science SB	Matematik	WONG LIK KEN	241143	

Showing 10 Out Of 30 Entries

Each of the sorting functions uses the up and down arrows to sort by date, start time, end time, class, subject and tutors in alphabetical or numerical ascending or descending order.

Filtering with date

The screenshot shows a table of schedule entries with a date filter highlighted by a red box:

Date	Start Time	End Time	Class	Subjects	Tutors	Attendance Code	Actions
27/12/2024	08:00 AM	09:00 AM	Science SB	Matematik	WONG LIK KEN	746145	
27/12/2024	09:00 AM	11:00 AM	Account SA	Matematik	WONG LIK KEN	HUJ234	
27/12/2024	10:00 AM	12:00 PM	Science SB	Matematik	WONG LIK KEN	348058	

Showing 3 Out Of 3 Entries

Filtering for dates that is December 27 2024, shows schedule records for exactly that date.

Filtering with class

Admin | View Schedules

Manage Schedules						dd/mm/yyyy	Science 5B	Search class or subject...	
Date	Start Time	End Time	Class	Subjects	Tutors	Attendance Code	Actions		
08/11/2024	04:30 PM	06:30 PM	Science 5B			STU901			
22/11/2024	04:30 PM	06:30 PM	Science 5B			WXX901			
25/12/2024	02:30 PM	04:30 PM	Science 5B	Matematik	WONG LIK KEN	420252			
27/12/2024	08:00 AM	09:00 AM	Science 5B	Matematik	WONG LIK KEN	746145			
27/12/2024	10:00 AM	12:00 PM	Science 5B	Matematik	WONG LIK KEN	348058			
28/12/2024	05:00 PM	07:00 PM	Science 5B	Matematik	WONG LIK KEN	241143			

Showing 6 Out Of 6 Entries

First Previous **1** Next Last

Filtering for class that is Science 5B, shows schedule records for exactly that class.

Paging

Admin | View Schedules

Manage Schedules						dd/mm/yyyy	All Classes	Search class or subject...	
Date	Start Time	End Time	Class	Subjects	Tutors	Attendance Code	Actions		
22/12/2024	02:00 PM	04:00 PM	Science 5A			BCD678			
23/12/2024	02:00 PM	04:00 PM	Meth 5A			KLM567			
24/12/2024	09:00 AM	11:00 AM	BM Elite			NOP890			
25/12/2024	02:30 PM	04:30 PM	Science 5B	Matematik	WONG LIK KEN	420252			
26/12/2024	12:00 PM	04:00 PM	Account Pro	Prinsip Perakaunan	WONG JIN WEN	940140			
27/12/2024	08:00 AM	09:00 AM	Science 5B	Matematik	WONG LIK KEN	746145			
27/12/2024	09:00 AM	11:00 AM	Account 5A	Matematik	WONG LIK KEN	HU234			
27/12/2024	10:00 AM	12:00 PM	Science 5B	Matematik	WONG LIK KEN	348058			
28/12/2024	08:00 AM	12:00 PM	Account 5A	Matematik	WONG LIK KEN	296842			
28/12/2024	05:00 PM	07:00 PM	Science 5B	Matematik	WONG LIK KEN	241143			

Showing 10 Out Of 30 Entries

First Previous **1** **2** **3** Next Last

Pagination functions include: “First Page” button for returning to the first page; “Previous” button for previewing the page; “Next Page” button for the next page; “Last Page” button for the last page; ‘1,2,3’ button for displaying 10 schedules on one page.

4. Subject Maintenance (Admin)

Subject Maintenance (CRUD) - Create Subject

Admin | Insert Subject

The screenshot shows a web-based application interface for inserting a new subject. At the top, a dark header bar contains the title "Insert Subject". Below this, there are three input fields: "Subject ID" with the value "SUB011", "Subject Name" (an empty text input), and "Description" (a large text area). At the bottom of the form are two buttons: "Back To List" (gray) and "Create Subject" (blue).

This page allows the admin to insert a new subject into the system by providing the subject name and description. The admin can add these details to ensure the system remains updated with the latest subjects.

Subject Maintenance (CRUD) - Create Subject - Invalid Input

Admin | Insert Subject

Insert Subject

Subject ID
SUB012

Subject Name
math123

Subject Name Can Only Contain Letters And Spaces

Description
gg

[Back To List](#) [Create Subject](#)

Here show some validation to restrict the data entry:

For Subject name:

- Can't contain numbers and special characters.

Subject Maintenance (CRUD) - Create Subject - Valid Input

Admin | Insert Subject

Insert Subject

Subject ID
SUB012

Subject Name
math

Description
math

[Back To List](#) [Create Subject](#)

Success ×

Subject Added Successfully!

Admin | View Subjects

Manage Subjects

Subject ID	Subject Name	Description	Assigned Tutors	Actions
SUB011	Math	Math	0	

Showing 1 Out Of 11 Entries

[First](#) [Previous](#) [1](#) [2](#) [3](#) [Next](#) [Last](#)

When a subject is successfully inserted, the system will redirect the admin to the View Subjects page. A success message will be displayed at the top right corner to inform the admin that the subject has been successfully added.

Subject Maintenance (CRUD) - Retrieve Subject

Search by subject id

Manage Subjects					
Subject ID	Subject Name	Description	Assigned Tutors	Actions	
SUB001	Matematik	SPM Mathematics Covering Form 4 And 5 Syllabus	1		
Showing 1 Out Of 1 Entries					

Searching for “SUB001” displays information about the subject with id “SUB001” without reloading the page.

Search by subject name

Manage Subjects					
Subject ID	Subject Name	Description	Assigned Tutors	Actions	
SUB002	English	SPM English Language Covering Form 4 And 5 Syllabus	0		
Showing 1 Out Of 1 Entries					

Searching for “english” displays information about a subject with the name “English” without reloading the page.

Search by subject description

Admin View Subjects					
Manage Subjects					
Subject ID	Subject Name	Description	Assigned Tutors	Actions	
SUB001	Matematik	SPM Mathematics Covering Form 4 And 5 Syllabus	1		
Showing 1 Out Of 1 Entries					

Searching for “SPM Math” displays information about the subject description that is “SPM Math” without reloading the page.

Subject Maintenance (CRUD) - Update Subject

Admin | Edit Subject

Subject ID

SUB001

Subject Name

Matematik

Description

SPM Mathematics covering Form 4 and 5 syllabus

[Back To List](#)

[Update Subject](#)

Subject Maintenance (CRUD) - Update Subject - Invalid Input

Subject Name

math

Subject Name Already Exists

Display when the name is the same with another subject.

Subject Name

math123

Subject Name Can Only Contain Letters And Spaces

Display when numbers or symbols are detected in the input field for the subject name.

Subject Maintenance (CRUD) - Update Subject - Valid Input

Admin | Edit Subject

Subject ID
SUB001

Subject Name
Matematik Pro max

Description
SPM Mathematics covering Form 4 and 5 syllabus

[Back To List](#) [Update Subject](#)

Success ×
Subject Updated Successfully.

Admin | View Subjects

Manage Subjects			Search	
Subject ID	Subject Name	Description	Assigned Tutors	Actions
SUB001	Matematik Pro Max	SPM Mathematics Covering Form 4 And 5 Syllabus	1	

When the subjects are successfully edited, the system will redirect the admin to the subjects list page and display a success message in the top right corner to inform the admin that the changes have been saved.

Subject Maintenance (CRUD) - Delete Subject

Admin | View Subjects

Manage Subjects				Search
Subject ID	Subject Name	Description	Assigned Tutors	Actions
SUB011	Math	Math	0	

Showing 1 Out Of 11 Entries

[First](#) [Previous](#) [1](#) [2](#) [3](#) [Next](#) [Last](#)

localhost:7018 says

Are you sure you want to delete math?

[OK](#) [Cancel](#)

Success
Subject Deleted Successfully.

Manage Subjects				Search
Subject ID	Subject Name	Description	Assigned Tutors	Actions
Showing 0 Out Of 10 Entries				

After the subject record is deleted, it will be removed from the system, and a success message will pop up to inform the admin that the deletion was successful. This ensures the admin is notified and the subject list is updated accordingly.

Subject Listing & Detail

Admin | View Subjects

Manage Subjects				Search
Subject ID	Subject Name	Description	Assigned Tutors	Actions
SUB001	Matematik	SPM Mathematics Covering Form 4 And 5 Syllabus	1	
SUB002	Bahasa Melayu	SPM Bahasa Melayu Covering Form 4 And 5 Syllabus	1	
SUB003	English	SPM English Language Covering Form 4 And 5 Syllabus	0	
SUB004	Fizik	SPM Physics Covering Form 4 And 5 Syllabus	0	
SUB005	Kimia	SPM Chemistry Covering Form 4 And 5 Syllabus	0	

Showing 5 Out Of 11 Entries

[First](#) [Previous](#) [1](#) [2](#) [3](#) [Next](#) [Last](#)

This page allows the admin to view, modify, and delete subject details, with features such as sorting, paging, and searching, all integrated with AJAX. These functionalities enhance the admin's experience by enabling dynamic updates and efficient management of subjects without page reloads.

Admin | Subject Details

Subject Details

Subject ID

SUB001

Subject Name

Matematik

Description

SPM Mathematics covering Form 4 and 5 syllabus

Assigned Tutors

Tutor ID	Name	Email
T001	WONG LIK KEN	Dr.Ahmad@Edu.Com

[Back To List](#)

[Edit Subject](#)

[Manage Tutors](#)

This page allows admin to view and edit subject detail and assign tutor for this subject.

Assign Tutor to Subjects

Admin | [Assign Tutors](#)

 Assign Tutors To Matematik Pro Max

Available Tutors

<input type="checkbox"/>	Tutor ID	Name	Email
<input checked="" type="checkbox"/>	T001	WONG LIK KEN	Dr.Ahmad@Edu.Com
<input type="checkbox"/>	T002	Puan Nor Azlina Binti Hassan	Azlina.H@Edu.Com
<input type="checkbox"/>	T003	Mr. Lim Cheng Huat	Lim.Ch@Edu.Com
<input type="checkbox"/>	T004	Ms. Saraswathy Pillai	Saras.P@Edu.Com
<input type="checkbox"/>	T007	Mr. Rama Krishnan	Rama.K@Edu.Com
<input type="checkbox"/>	T008	Puan Faridah Binti Mahmud	Faridah.M@Edu.Com
<input type="checkbox"/>	T009	Dr. Wong Kim Fatt	Wong.Kf@Edu.Com
<input type="checkbox"/>	T010	Ms. Victoria Joseph	Victoria.J@Edu.Com
<input type="checkbox"/>	T011	Encik Mohd Hafiz Bin Ali	Hafiz.Ali@Edu.Com
<input type="checkbox"/>	T012	Dr. Lee Siew Mei	Siewmei@Edu.Com
<input type="checkbox"/>	T013	Mr. Gopal Muniandy	Gopal.M@Edu.Com
<input type="checkbox"/>	T014	Puan Ros Azlina Binti Yusof	Ros.Azlina@Edu.Com
<input type="checkbox"/>	T015	Dr. Tan Wei Ming	Tanwm@Edu.Com
<input type="checkbox"/>	T016	WONG JIN WEN	Wjw@Gmail.Com

[Back To List](#) [Save Assignments](#)

This page allows the admin to assign tutors to selected subjects by choosing the appropriate tutor for each subject. The admin can easily manage tutor assignments to ensure subjects are properly filled.

Assign Tutor to Subjects - Valid Input

Admin | Assign Tutors

Assign Tutors To Matematik

Available Tutors

<input type="checkbox"/>	Tutor ID	Name	Email
<input checked="" type="checkbox"/>	T001	WONG LIK KEN	Swiftscout0609@Gmail.Com
<input checked="" type="checkbox"/>	T002	Puan Nor Azlina Binti Hassan	Azlina.H@Edu.Com
<input checked="" type="checkbox"/>	T003	Mr. Lim Cheng Huat	Lim.Ch@Edu.Com
<input checked="" type="checkbox"/>	T004	Ms. Saraswathy Pillai	Saras.P@Edu.Com
<input type="checkbox"/>	T007	MR RAMA KRISHNAN	Rama.K@Edu.Com
<input type="checkbox"/>	T008	Puan Faridah Binti Mahmud	Faridah.M@Edu.Com
<input type="checkbox"/>	T009	Dr. Wong Kim Fatt	Wong.Kf@Edu.Com
<input type="checkbox"/>	T010	Ms. Victoria Joseph	Victoria.J@Edu.Com

[Back To List](#)

[Save Assignments](#)

Success

x

Tutor Assignments Updated

Successfully.

Admin | Subject Details

Subject Details

Subject ID

SUB001

Subject Name

Matematik

Description

SPM Mathematics covering Form 4 and 5 syllabus

Assigned Tutors

Tutor ID	Name	Email
T001	WONG LIK KEN	Swiftscout0609@Gmail.Com
T002	Puan Nor Azlina Binti Hassan	Azlina.H@Edu.Com
T003	Mr. Lim Cheng Huat	Lim.Ch@Edu.Com
T004	Ms. Saraswathy Pillai	Saras.P@Edu.Com

[Back To List](#)

[Edit Subject](#)

[Manage Tutors](#)

When the admin selects tutors and clicks "Assign," the system will redirect to the subject list page, and the selected tutor will be updated for the respective subjects. A success message will be displayed at the top right corner to inform the admin.

AJAX Sorting and Paging

Sorting

Manage Subjects					Search
Subject ID	Subject Name	Description	Assigned Tutors	Actions	
SUB001	Matematik	SPM Mathematics Covering Form 4 And 5 Syllabus	1		
SUB002	Bahasa Melayu	SPM Bahasa Melayu Covering Form 4 And 5 Syllabus	1		
SUB003	English	SPM English Language Covering Form 4 And 5 Syllabus	0		
SUB004	Fizik	SPM Physics Covering Form 4 And 5 Syllabus	0		
SUB005	Kimia	SPM Chemistry Covering Form 4 And 5 Syllabus	0		

Showing 5 Out Of 10 Entries

Each of the sorting functions uses the up and down arrows to sort subject ID, subject name, description and assign tutors numbers, in alphabetical or numerical ascending or descending order.

Paging

Manage Subjects					Search
Subject ID	Subject Name	Description	Assigned Tutors	Actions	
SUB001	Matematik	SPM Mathematics Covering Form 4 And 5 Syllabus	1		
SUB002	Bahasa Melayu	SPM Bahasa Melayu Covering Form 4 And 5 Syllabus	1		
SUB003	English	SPM English Language Covering Form 4 And 5 Syllabus	0		
SUB004	Fizik	SPM Physics Covering Form 4 And 5 Syllabus	0		
SUB005	Kimia	SPM Chemistry Covering Form 4 And 5 Syllabus	0		

Showing 5 Out Of 10 Entries

Pagination functions include: “First Page” button for returning to the first page; “Preview” button for previewing the page; “Next Page” button for the next page; “Last Page” button for the last page; ‘1,2’ button for displaying 5 subject records on one page.

5. Class Maintenance (Admin)

Class Maintenance (CRUD) - Create Class

Admin | Insert Class

Insert Class

Class ID
C011

Class Name

Description

Status

[Back To List](#) [Create Class](#)

This page allows the admin to insert a new class into the system by providing the class name and description and the status. The admin can add these details to ensure the system remains updated with the latest class.

Class Maintenance (CRUD) - Retrieve Class

Search by class name

Admin | Views Class

The screenshot shows a table titled "Manage Classes" with columns: Class ID, Class Name, Description, Students, Status, and Actions. A search bar at the top contains the text "Bm". A single row is highlighted with a red border, corresponding to the search term. The row contains the following data:

Class ID	Class Name	Description	Students	Status	Actions
C005	BM Elite	Bahasa Melayu Excellence Class	0	Inactive	

Showing 1 Out Of 1 Entries

First Previous **1** Next Last

Searching for “BM” displays information about classes with the name that contains “BM” without reloading the page.

Search by class id

Admin | Views Class

The screenshot shows a table titled "Manage Classes" with columns: Class ID, Class Name, Description, Students, Status, and Actions. A search bar at the top contains the text "C003". A single row is highlighted with a red border, corresponding to the search term. The row contains the following data:

Class ID	Class Name	Description	Students	Status	Actions
C003	Account 5A	Accounting Stream Class A	27	Active	

Showing 1 Out Of 1 Entries

First Previous **1** Next Last

Searching for “C003” displays information about classes with the id that contains “C003” without reloading the page.

Search by class status

Admin | Views Class

Manage Classes

Manage Classes				Inactive		
Class ID	Class Name	Description ▲	Students	Status	Actions	
C005	BM Elite	Bahasa Melayu Excellence Class	0	Inactive		

Showing 1 Out Of 1 Entries

First Previous **1** Next Last

Searching for “Inactive” displays information about classes with the status that contains “Inactive” without reloading the page.

Class Maintenance (CRUD) - Update Class

Admin | Edit Class

Class ID
C001

Class Name
Science 5A

Description
Pure Science Stream Class A

Status
Active

[Back To List](#) **Update Class**

This page allows the admin to edit class details, including class name, schedule, and assigned tutor. It provides an intuitive interface for making updates efficiently.

Class Maintenance (CRUD) - Update Class - Invalid Input

Admin | Edit Class

Class ID
C001

Class Name
d!
Class Name Can Only Contain Letters And Spaces

Description
gg

Status
Active

[Back To List](#) [Update Class](#)

Here show some validation to restrict the data entry:

For Class name:

- Can't contain special characters.

Class Maintenance (CRUD) - Update Class - Valid Input

Admin | Edit Class

Class ID
C001

Class Name
Science A

Description
Pure Science Stream Class A

Status
Active

[Back To List](#) [Update Class](#)

Success ×

Class Updated Successfully.

Admin | Views Class

Manage Classes					Search
Class ID	Class Name	Description	Students	Status	Actions
C001	Science A	Pure Science Stream Class A	2	Active	
C002	Science 5B	Pure Science Stream Class B	24	Active	
C003	Account 5A	Accounting Stream Class A	27	Active	
C004	Math 5A	Additional Mathematics Focus Group	2	Active	
C005	BM Elite	Bahasa Melayu Excellence Class	0	Inactive	

Showing 5 Out Of 10 Entries

[First](#) [Previous](#) [1](#) [2](#) [Next](#) [Last](#)

Once the admin successfully updates a class's details, a success message will be displayed at the top of the page to inform the admin that the changes have been saved. This message ensures the admin is notified that the update was successful.

Class Maintenance (CRUD) - Delete Class

Admin | Views Class

Manage Classes				Search	
Class ID	Class Name	Description	Students	Status	Actions
C001	Science A	Pure Science Stream Class A	2	Active	
C002	Science 5B	Pure Science Stream Class B	24	Active	
C003	Account 5A	Accounting Stream Class A	27	Active	
C004	Math 5A	Additional Mathematics Focus Group	2	Active	
C005	BM Elite	Bahasa Melayu Excellence Class	0	Inactive	

Showing 5 Out Of 10 Entries

[First](#) [Previous](#) [1](#) [2](#) [Next](#) [Last](#)

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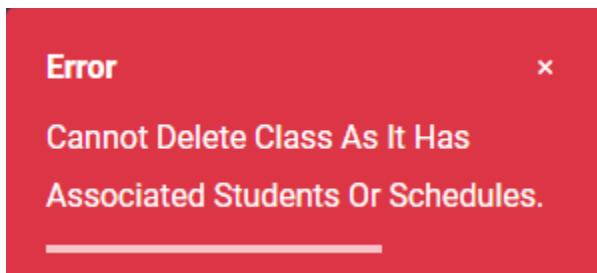
localhost:7018 says

Are you sure you want to delete Science A?

OK

Cancel

Class Maintenance (CRUD) - Delete Class - Invalid Input



This error message appears when the admin attempts to delete a class that is already scheduled. The system prevents the deletion to avoid disrupting existing schedules and dependencies.

Class Maintenance (CRUD) - Delete Class - Valid Input

A screenshot of a web application interface titled "Admin | Views Class". At the top, there's a search bar labeled "Search". Below it is a table titled "Manage Classes" with columns: Class ID, Class Name, Description, Students, Status, and Actions. A single row is shown: C011, MATH Gg, Math, 0, Active, and a set of icons for edit, delete, and other actions. At the bottom of the table, it says "Showing 1 Out Of 11 Entries" and has navigation buttons for First, Previous, 1, 2, 3, Next, and Last.

localhost:7018 says

Are you sure you want to delete MATH gg?



Success

x

Class Deleted Successfully.

Admin | Views Class

Manage Classes				Search	
Class ID	Class Name	Description	Students ▲	Status	Actions
C001	Science A	Pure Science Stream Class A	2	Active	
C004	Math 5A	Additional Mathematics Focus Group	2	Active	
C009	English Pro	Advanced English Class	2	Active	
C002	Science 5B	Pure Science Stream Class B	24	Active	
C003	Account 5A	Accounting Stream Class A	27	Active	

Showing 5 Out Of 10 Entries

[First](#) [Previous](#) [1](#) [2](#) [Next](#) [Last](#)

`javascript:void(0)`

The system will display a confirmation message when the admin attempts to delete a class, asking for confirmation before proceeding with the deletion. This ensures that the admin can verify their action and prevent accidental deletions.

Class Listing and Details

Admin | Views Class

Manage Classes					
Class ID	Class Name	Description	Students	Status ▾	Actions
C005	BM Elite	Bahasa Melayu Excellence Class	0	Inactive	
C006	Physics Pro	Advanced Physics Class	1	Active	
C007	Chem Master	Advanced Chemistry Class	1	Active	
C008	Bio Elite	Advanced Biology Class	1	Active	
C009	English Pro	Advanced English Class	2	Active	

Showing 5 Out Of 10 Entries

[First](#) [Previous](#) [1](#) [2](#) [Next](#) [Last](#)

This page allows the admin to view, modify, and delete class records with features such as sorting, filtering, paging, and searching, all integrated with AJAX for seamless interaction. These functionalities help the admin efficiently manage and navigate through class records without page reloads.

Admin | Class Details

Class Details

Class ID
C001

Class Name
Science 5A

Description
Pure Science Stream Class A

Status
Active

Assigned Students (2)

Student ID	Name	Email	Phone
S001	AHMAD ISKANDAR BIN ABDULLAH	Ahmad.Isk@gmail.com	012-3456789
S036	LIM CHIN PING	Chinpinglim69@gmail.com	01122334455

[Back To List](#) [Edit Class](#) [Manage Students](#)

This page allows the admin to view detailed information about a specific class. It includes options to edit class details and manage students, both of which will redirect to their respective pages for further actions. This ensures clear navigation and organized management of class-related tasks.

Assign Student to Classes

Admin | Assign Students

Assign Students To Science A

Current Status: Active

Students Assigned: 2

Available Students

Search students...

■	Student ID	Name	Email	Phone
<input checked="" type="checkbox"/>	S001	AHMAD ISKANDAR BIN ABDULLAH	Ahmad.Isk@Gmail.Com	012-3456789
<input type="checkbox"/>	S009	Siti Nur Fatimah	Sitinur@Gmail.Com	0123456797
<input type="checkbox"/>	S010	Rajesh Kumar	Rajesh.K@Gmail.Com	0123456798
<input type="checkbox"/>	S011	Nur Syafiqah Binti Azman	Syafiqah.A@Gmail.Com	0123456799
<input type="checkbox"/>	S012	Chong Wei Jian	Weijian@Gmail.Com	0123456800
<input type="checkbox"/>	S013	Zulaikha Binti Mohd Yusof	Zulaikha@Gmail.Com	0123456801
<input type="checkbox"/>	S014	Daniel Tan Jun Wei	Daniel.Tan@Gmail.Com	0123456802
<input type="checkbox"/>	S015	Priya Sharma	Priya.S@Gmail.Com	0123456803
<input type="checkbox"/>	S016	Mohammad Imran Bin Ismail	Imran.I@Gmail.Com	0123456804

Back To List

Save Assignments

This page allows the admin to assign students to a class using a batch assign function. This feature enables efficient and streamlined assignment of multiple students to a class in a single action.

Assign Student to Classes - Valid Input

Admin | Assign Students

Assign Students To Science 5A

Current Status: Active
Students Assigned: 2

Available Students

	Student ID	Name	Email	Phone
<input checked="" type="checkbox"/>	S001	AHMAD ISKANDAR BIN ABDULLAH	Ahmad.Isk@Gmail.Com	012-3456789
<input checked="" type="checkbox"/>	S009	Siti Nur Fatimah	Sitinur@Gmail.Com	0123456797
<input checked="" type="checkbox"/>	S010	Rajesh Kumar	Rajesh.K@Gmail.Com	0123456798
<input checked="" type="checkbox"/>	S011	Nur Syafiqah Binti Azman	Syafiqah.A@Gmail.Com	0123456799
<input type="checkbox"/>	S012	Chong Wei Jian	Weijian@Gmail.Com	0123456800
<input type="checkbox"/>	S013	Zulaikha Binti Mohd Yusof	Zulaikha@Gmail.Com	0123456801
<input type="checkbox"/>	S014	Daniel Tan Jun Wei	Daniel.Tan@Gmail.Com	0123456802
<input type="checkbox"/>	S015	Priya Sharma	Priya.S@Gmail.Com	0123456803
<input type="checkbox"/>	S016	Mohammad Imran Bin Ismail	Imran.I@Gmail.Com	0123456804
...				

[Back To List](#) Save Assignments

Success ×

Student Assignments Updated Successfully.

Admin | Class Details

Class Details

Class ID
C001

Class Name
Science 5A

Description
Pure Science Stream Class A

Status
Active

Assigned Students (4)

Student ID	Name	Email	Phone
S001	AHMAD ISKANDAR BIN ABDULLAH	Ahmad.Isk@Gmail.Com	012-3456789
S009	Siti Nur Fatimah	Sitinur@Gmail.Com	0123456797
S010	Rajesh Kumar	Rajesh.K@Gmail.Com	0123456798
S011	Nur Syafiqah Binti Azman	Syafiqah.A@Gmail.Com	0123456799

[Back To List](#) [Edit Class](#) [Manage Students](#)

When the admin selects students and clicks "Assign," the system will redirect to the class list page, and the selected students will be updated for the respective class. A success message will be displayed at the top right corner to inform the admin.

AJAX Sorting and Paging

Sorting

Manage Classes						Search
Class ID	Class Name ▲	Description	Students	Status	Actions	
C003	Account 5A	Accounting Stream Class A	27	Active		
C010	Account Pro	Advanced Accounting Class	1	Active		
C008	Bio Elite	Advanced Biology Class	1	Active		
C005	BM Elite	Bahasa Melayu Excellence Class	0	Inactive		
C007	Chem Master	Advanced Chemistry Class	1	Active		
Showing 5 Out Of 10 Entries						First Previous 1 2 Next Last

Each of the sorting functions uses the up and down arrows to sort by Class ID, Class Name, Description, Student, Status in alphabetical or numerical ascending or descending order.

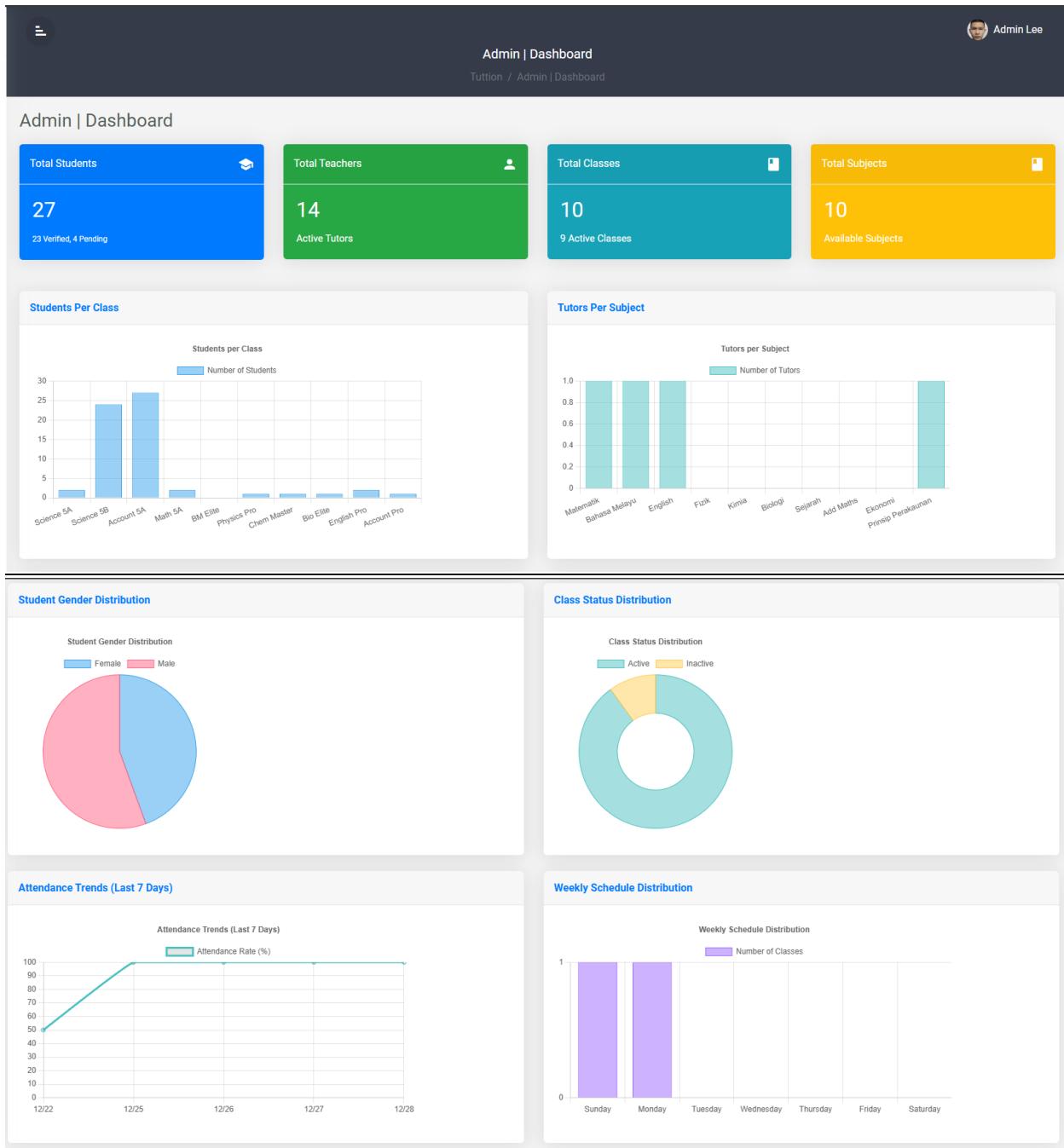
Paging

Manage Classes						Search
Class ID	Class Name	Description	Students	Status	Actions	
C006	Physics Pro	Advanced Physics Class	1	Active		
C007	Chem Master	Advanced Chemistry Class	1	Active		
C008	Bio Elite	Advanced Biology Class	1	Active		
C009	English Pro	Advanced English Class	2	Active		
C010	Account Pro	Advanced Accounting Class	1	Active		
Showing 5 Out Of 10 Entries						First Previous 1 2 Next Last

Pagination functions include: “First Page” button for returning to the first page; “Previous” button for previewing the page; “Next Page” button for the next page; “Last Page” button for the last page; ‘1,2,3’ button for displaying 5 classes on one page.

6. Others

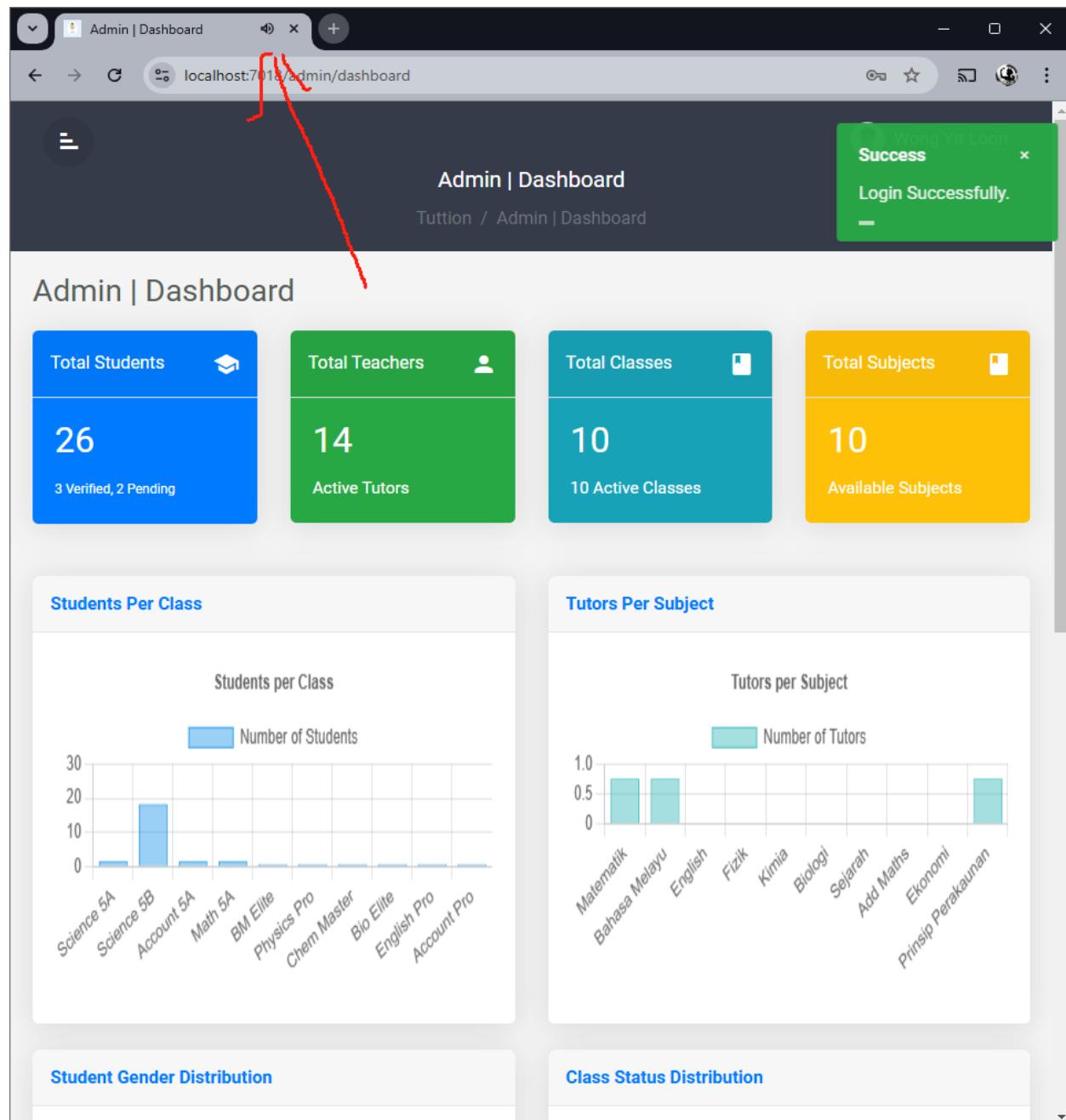
Dashboard



The dashboard page provides admins with a quick overview of important system information, offering clear insights through interactive charts and graphs (bar chart, pie chart, line chart, histogram chart). These visual tools help admins efficiently analyze trends and patterns, enabling better decision-making and improved management of operations.

Login and Logout Notification sounds (Admin, Tutor & Student)

Admin Side



A screenshot of a web browser displaying the 'Admin | Dashboard' page. The URL in the address bar is 'localhost:7011/admin/dashboard'. A red arrow points from the top left towards a green success notification box in the top right corner. The notification box contains the text 'Success' and 'Login Successfully.' Below the dashboard header, there are four summary cards:

- Total Students:** 26 (3 Verified, 2 Pending)
- Total Teachers:** 14 (Active Tutors)
- Total Classes:** 10 (10 Active Classes)
- Total Subjects:** 10 (Available Subjects)

Below these cards are two main sections with charts:

- Students Per Class:** A bar chart titled 'Students per Class' showing the number of students in various classes. The data is as follows:

Class	Number of Students
Science 5A	~1
Science 5B	~18
Account 5A	~1
Math 5A	~1
BM Elite	~1
Physics Pro	~1
Chem Master	~1
Bio Elite	~1
English Pro	~1
Account Pro	~1
- Tutors Per Subject:** A bar chart titled 'Tutors per Subject' showing the number of tutors for various subjects. The data is as follows:

Subject	Number of Tutors
Matematik	~0.7
Bahasa Melayu	~0.7
English	~0.1
Fizik	~0.1
Kimia	~0.1
Biologi	~0.1
Sejarah	~0.1
Add Maths	~0.1
Ekonomi	~0.1
Prinsip Perakaunan	~0.7

At the bottom of the dashboard, there are two more sections:

- Student Gender Distribution:** (Not visible in the screenshot)
- Class Status Distribution:** (Not visible in the screenshot)

Tutor Side

The screenshot shows the 'Tutor Dashboard' interface. At the top, there are two summary boxes: 'STUDENTS Total students: 26' and 'CLASSES Total Classes: 2'. Below this, a section titled 'TODAY'S CLASSES' shows '1 Classes'. A table titled 'Today's Classes' lists one class: 'Account 5A' at 'Matematik' at '08:00 AM' with '2 STUDENTS' and code '296842'. To the right, a map shows the 'Campus Location' with 'Tunku Abdul Rahman University of...' highlighted in red. A red arrow points from the top center towards the 'TODAY'S CLASSES' section.

Attendance Tracking

Tutor Dashboard

STUDENTS

Manage Students

ATTENDANCE

Manage Attendance

TIMETABLE

Tutor Timetable

Select Language ▼

Powered by Google Translate

Today's Classes

CLASS	SUBJECT	TIME	STUDENTS	ATTENDANCE CODE
Account 5A	Matematik	08:00 AM	2	296842

Campus Location

Mak Tiam Station

Tunku Abdul Rahman Univers...

Ground Floor, Bangunan Tan Sri Khaw Kai Boh (Block A), Jalan Genting Kelang, Setapak, 53300 Kuala Lumpur, Federal Territory of Kuala Lumpur

3.9 ★★★★☆ 595 reviews

[View larger map](#)

Student Side

The screenshot shows a web browser window titled "Welcome, Student!" with the URL "localhost:7018/student/index". The page header includes the "TARUMT Tuition" logo and a user profile placeholder, followed by the greeting "Welcome, AHMAD ISKANDAR BIN ABDULLAH!". Below the header is a navigation menu with links: Index, Class Registration, Timetable, Attendance Details, Update Profile, Update Password, and Logout. A red arrow points from the browser's title bar down to the "Welcome, Student!" message. The main content area features a large banner for "2025 INTAKES" with a pink "Apply Now" button, which has a cursor icon pointing to it. Below the banner, the text "Welcome to Our Tuition Center!" is displayed, followed by a paragraph about the center's mission to help students achieve their academic goals. The "Featured Courses" section is shown with two boxes: "Mathematics" and "Science".

Welcome, Student!

TARUMT Tuition Welcome, AHMAD ISKANDAR BIN ABDULLAH!

Index Class Registration Timetable Attendance Details Update Profile Update Password Logout

Welcome to Our Tuition Center!

We are dedicated to helping students achieve their academic goals. Our experienced tutors provide personalized lessons in various subjects to ensure your success.

Featured Courses

Mathematics

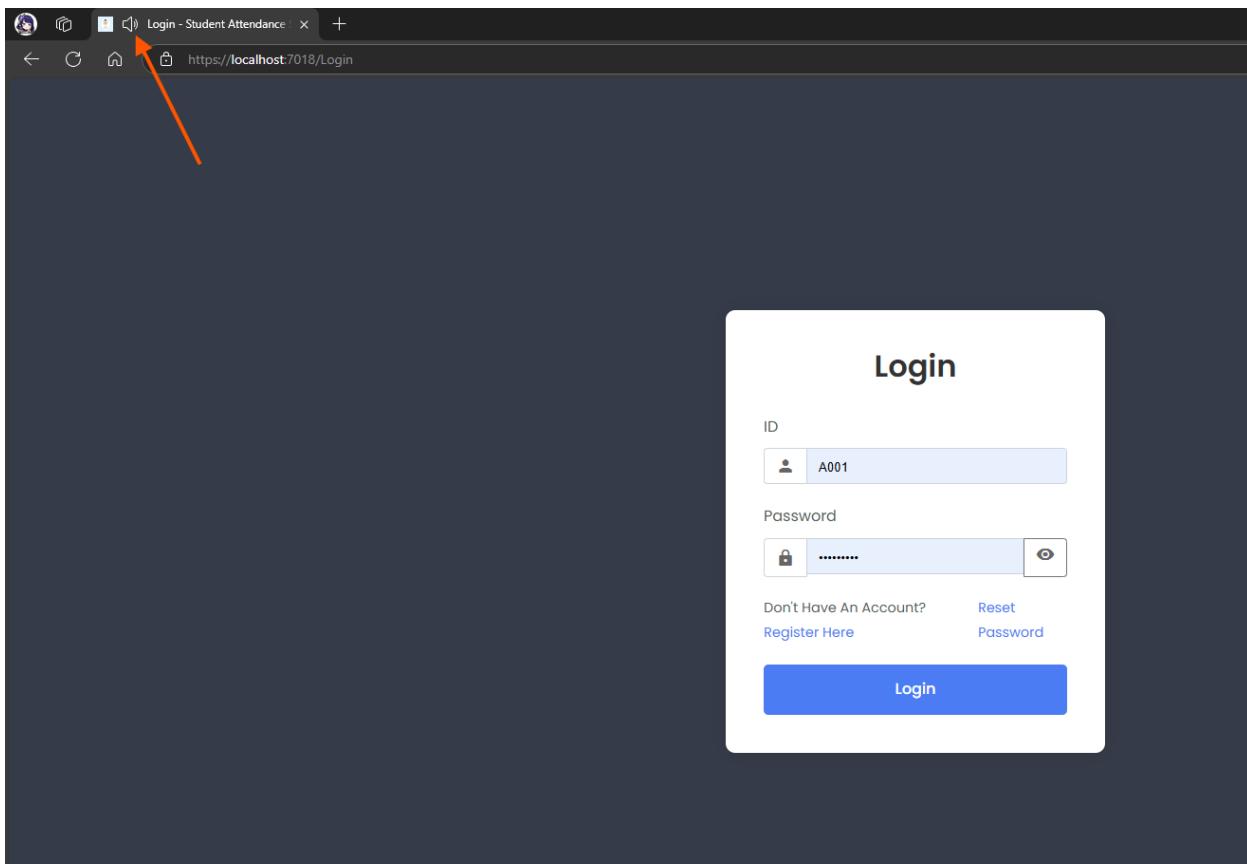
Master the fundamentals and advanced concepts of mathematics with our expert tutors.

Science

Explore the wonders of science through interactive and engaging lessons.

After successful login, a notification sound will play, and a visually clear "Login Successful" message with a green checkmark will appear. After a brief moment, the user will be automatically redirected to the dashboard.

Login Side (Logout)



After logging out, a logout notification tone is emitted to let the user(admin, student, tutor) know that they have logged out successfully.

Interactive On Screen

Admin | Schedule Calendar

Schedule Calendar

December 2024

month week day

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 ● 2p Physics Pro ● 4:30p Chem Ma	2 ● 9a Bio Elite - ● 2p English Pro	3 ● 9a Account Pro	4	5	6	7
8 ● 2p Science 5A ● 4:30p Science 5	9 ● 9a Account 5A ● 2p Math 5A -	10 ● 9a BM Elite -	11	12	13	14
15 ● 2p Physics Pro ● 4:30p Chem Ma	16 ● 9a Bio Elite - ● 2p English Pro	17 ● 9a Account Pro	18	19	20	21
22 ● 2p Science 5A ● 4:30p Science 5	23 ● 2p Math 5A -	24 ● 9a BM Elite -	25 ● 2a Science 5B ● 2:30p Science 5	26 ● 12p Account P	27 ● 8a Science 5B ● 9a Account 5A ● 10a Science 5B	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

The interactive onscreen help feature allows admins to click directly on a date or time slot in the schedule calendar to update the schedule. This provides a quick, seamless way to make changes without leaving the calendar view, streamlining the scheduling process and improving user experience.

Batch Update (Assign Multiple Tutors to Subject)

The screenshot shows a user interface for managing tutors. At the top right, there is a profile picture of a man and the name "Wong Yit Loon". Below the profile, the title "Admin | Assign Tutors" is displayed, followed by a breadcrumb navigation "Tuition / Admin | Assign Tutors". The main content area has a heading "Assign Tutors To Matematik". Underneath, a section titled "Available Tutors" contains a table listing twelve tutors. Each tutor's row includes a checkbox in the first column, a "Tutor ID" column, a "Name" column, and an "Email" column.

	Tutor ID	Name	Email
<input checked="" type="checkbox"/>	T001	SHU	Swiftscout0609@Gmail.Com
<input checked="" type="checkbox"/>	T002	Puan Nor Azlina Binti Hassan	Azlina.H@Edu.Com
<input checked="" type="checkbox"/>	T003	Mr. Lim Cheng Huat	Lim.Ch@Edu.Com
<input checked="" type="checkbox"/>	T004	Ms. Saraswathy Pillai	Saras.P@Edu.Com
<input checked="" type="checkbox"/>	T007	MR RAMA KRISHNAN	Rama.K@Edu.Com
<input checked="" type="checkbox"/>	T008	Puan Faridah Binti Mahmud	Faridah.M@Edu.Com
<input checked="" type="checkbox"/>	T009	Dr. Wong Kim Fatt	Wong.Kf@Edu.Com
<input checked="" type="checkbox"/>	T010	Ms. Victoria Joseph	Victoria.J@Edu.Com
<input checked="" type="checkbox"/>	T011	Encik Mohd Hafiz Bin Ali	Hafiz.Ali@Edu.Com
<input checked="" type="checkbox"/>	T012	Dr. Lee Siew Mei	Siewmei@Edu.Com

The admin can easily assign all tutors by using a checkbox to assign to the subjects.

Batch Update (Assign Multiple Students to Class)

Admin | Assign Students

Assign Students To Account 5A

Current Status: Active
Students Assigned: 2

Available Students					Search students...
<input checked="" type="checkbox"/>	Student ID	Name	Email	Phone	
<input checked="" type="checkbox"/>	S001	AHMAD ISKANDAR BIN ABDULLAH	Ahmad.Isk@gmail.com	012-3456789	
<input checked="" type="checkbox"/>	S009	Siti Nur Fatimah	Sitnur@gmail.com	0123456797	
<input checked="" type="checkbox"/>	S010	Rajesh Kumar	Rajesh.K@gmail.com	0123456798	
<input checked="" type="checkbox"/>	S011	Nur Syafiqah Binti Azman	Syafiqah.A@gmail.com	0123456799	
<input checked="" type="checkbox"/>	S012	Chong Wei Jian	Weijian@gmail.com	0123456800	
<input checked="" type="checkbox"/>	S013	Zulaikha Binti Mohd Yusof	Zulaikha@gmail.com	0123456801	
<input checked="" type="checkbox"/>	S014	Daniel Tan Jun Wei	Daniel.Tan@gmail.com	0123456802	
<input checked="" type="checkbox"/>	S015	Priya Sharma	Priya.S@gmail.com	0123456803	
<input checked="" type="checkbox"/>	S016	Mohammad Imran Bin Ismail	Imran.I@gmail.com	0123456804	

The admin can easily assign all students by using a checkbox to assign to the class.

AJAX Integration

Search by name

Available Students					
	Student ID	Name	Email	Phone	
<input checked="" type="checkbox"/>	S001	AHMAD ISKANDAR BIN ABDULLAH	Ahmad.Isk@gmail.Com	012-3456789	AHMAD

[Back To List](#) [Save Assignments](#)

Searching for “AHAMD” displays information about a student with the name “AHMAD ISKANDAR BIN ABDULLAH” without reloading the page.

Search by id

Available Students					
	Student ID	Name	Email	Phone	
<input checked="" type="checkbox"/>	S001	AHMAD ISKANDAR BIN ABDULLAH	Ahmad.Isk@gmail.Com	012-3456789	S001

[Back To List](#) [Save Assignments](#)

Searching for “S001” displays information about a student with the id “S001”, without reloading the page.

Search by phone

Available Students					
	Student ID	Name	Email	Phone	
<input type="checkbox"/>	S009	Siti Nur Fatimah	Sitinur@gmail.Com	0123456797	0123456797
<input type="checkbox"/>	S010	Rajesh Kumar	Rajesh.K@gmail.Com	0123456798	0123456798
<input type="checkbox"/>	S011	Nur Syafiqah Binti Azman	Syafiqah.A@gmail.Com	0123456799	0123456799
<input type="checkbox"/>	S012	Chong Wei Jian	Weijian@gmail.Com	0123456800	0123456800
<input type="checkbox"/>	S013	Zulaikha Binti Mohd Yusof	Zulaikha@gmail.Com	0123456801	0123456801
<input type="checkbox"/>	S014	Daniel Tan Jun Wei	Daniel.Tan@gmail.Com	0123456802	0123456802
<input type="checkbox"/>	S015	Priya Sharma	Priya.S@gmail.Com	0123456803	0123456803
<input type="checkbox"/>	S016	Mohammad Imran Bin Ismail	Imran.I@gmail.Com	0123456804	0123456804
<input type="checkbox"/>	S017	Lim Xiao Mei	Xiaomei@gmail.Com	0123456805	0123456805
<input type="checkbox"/>	S018	Adam Bin Malik	Adam.Malik@gmail.Com	0123456806	0123456806
<input type="checkbox"/>	S019	Farhan Ahmad	Farhan.Ahmad@gmail.Com	0123456807	0123456807

Searching for “0123456” displays information about a student with the id “0123456”, without reloading the page.

Search by email

Available Students

	Student ID	Name	Email	Phone
<input type="checkbox"/>	S017	Lim Xiao Mei	Xiaomei@Gmail.Com	0123456805

[Back To List](#) [Save Assignments](#)

Searching for “xiaomei@gmail.com” displays information about a student with the email “xiaomei@gmail.com”, without reloading the page.

(C) PIC: Wong How Wai**1. Tutor Management (Tutor)****View Students Assigned to Classes**

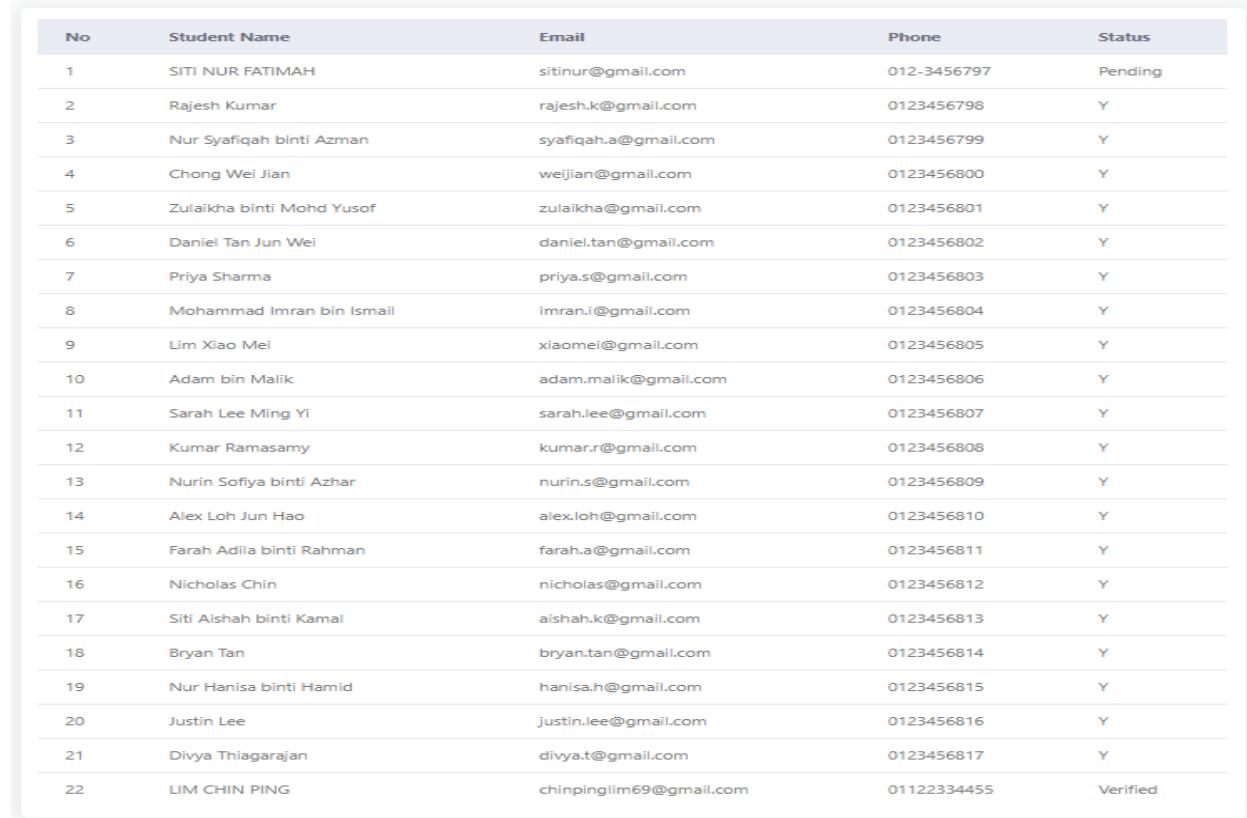
My Classes



No	Class Name	Total Students	Action
1	Science 5B	22	<button>View Students</button>
2	Account 5A	1	<button>View Students</button>
3	Math 5A	1	<button>View Students</button>

Students in Science 5B

Home / Classes / Students



No	Student Name	Email	Phone	Status
1	SITI NUR FATIMAH	sitinur@gmail.com	012-3456797	Pending
2	Rajesh Kumar	rajesh.k@gmail.com	0123456798	Y
3	Nur Syafiqah binti Azman	syafiqah.a@gmail.com	0123456799	Y
4	Chong Wei Jian	weijian@gmail.com	0123456800	Y
5	Zulaikha binti Mohd Yusof	zulaikha@gmail.com	0123456801	Y
6	Daniel Tan Jun Wei	daniel.tan@gmail.com	0123456802	Y
7	Priya Sharma	priya.s@gmail.com	0123456803	Y
8	Mohammad Imran bin Ismail	imran.i@gmail.com	0123456804	Y
9	Lim Xiao Mei	xiaomei@gmail.com	0123456805	Y
10	Adam bin Malik	adam.malik@gmail.com	0123456806	Y
11	Sarah Lee Ming Yi	sarah.lee@gmail.com	0123456807	Y
12	Kumar Ramasamy	kumar.r@gmail.com	0123456808	Y
13	Nurin Sofiya binti Azhar	nurin.s@gmail.com	0123456809	Y
14	Alex Loh Jun Hao	alex.loh@gmail.com	0123456810	Y
15	Farah Adila binti Rahman	farah.a@gmail.com	0123456811	Y
16	Nicholas Chin	nicholas@gmail.com	0123456812	Y
17	Siti Aishah binti Kamal	aishah.k@gmail.com	0123456813	Y
18	Bryan Tan	bryan.tan@gmail.com	0123456814	Y
19	Nur Hanisa binti Hamid	hanisa.h@gmail.com	0123456815	Y
20	Justin Lee	justin.lee@gmail.com	0123456816	Y
21	Divya Thiagarajan	divya.t@gmail.com	0123456817	Y
22	LIM CHIN PING	chinpinglim69@gmail.com	01122334455	Verified

This page allows the tutor to view their students by selecting a specific class. The tutor can easily access the student list for the chosen class to manage attendance and other relevant details.

View Class Attendance

The screenshot shows a web-based application for viewing class attendance. At the top, there's a header bar with the title "View Class Attendance". Below the header, a "Select Date" section contains a date input field set to "27/12/2024" and a "View Classes" button. The main content area is titled "Classes for 27/12/2024" and displays a table of scheduled classes:

Class Name	Time	Status	Action
Math 5A	08:00 - 11:00	Upcoming	Not Yet Started
Account 5A	12:00 - 15:00	Upcoming	Not Yet Started

This page allows the tutor to view their class schedule by selecting a specific date or by directly viewing today's classes. It provides an easy way for tutors to access and manage their daily schedule.

Class details

Class Information	
Class Name:	Science 5B
Subject:	Matematik Pro max
Time:	02:30 PM
Students:	22
Attendance Status:	Present: 21 Absent: 0 Not Marked: 1 Attendance Rate: 95.5%

Class Attendance					
No	Student Name	Email	Phone	Current Status	Mark Attendance
1	SITI NUR FATIMAH	sitinur@gmail.com	012-3456797	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
2	Rajesh Kumar	rajesh.k@gmail.com	0123456798	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
3	Nur Syafiqah binti Azman	syafiqah.a@gmail.com	0123456799	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
4	Chong Wei Jian	weijian@gmail.com	0123456800	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
5	Zulaikha binti Mohd Yusof	zulaikha@gmail.com	0123456801	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
6	Daniel Tan Jun Wei	daniel.tan@gmail.com	0123456802	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
7	Priya Sharma	priya.s@gmail.com	0123456803	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
8	Mohammad Imran bin Ismail	imran.i@gmail.com	0123456804	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
9	Lim Xiao Mei	xiaomei@gmail.com	0123456805	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
10	Adam bin Malik	adam.malik@gmail.com	0123456806	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
11	Sarah Lee Ming Yi	sarah.lee@gmail.com	0123456807	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
12	Kumar Ramasamy	kumar.r@gmail.com	0123456808	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent

This page allows the tutor to view the attendance of students and make edits if necessary. The tutor can mark attendance, update records, or make adjustments to ensure accurate tracking of student presence.

Class Attendance**Mark All Present** **Mark All Absent** **Save Attendance**

No	Student Name	Email	Phone	Current Status	Mark Attendance
1	SITI NUR FATIMAH	sitinur@gmail.com	012-3456797	Absent	<input checked="" type="radio"/> Present <input type="radio"/> Absent
2	Rajesh Kumar	rajesh.k@gmail.com	0123456798	Absent	<input checked="" type="radio"/> Present <input type="radio"/> Absent
3	Nur Syafiqah binti Azman	syafiqah.a@gmail.com	0123456799	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent
4	Chong Wei Jian	weijian@gmail.com	0123456800	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent

Class Attendance**Mark All Present** **Mark All Absent** **Save Attendance**

No	Student Name	Email	Phone	Current Status	Mark Attendance
1	SITI NUR FATIMAH	sitinur@gmail.com	012-3456797	Absent	<input type="radio"/> Present <input checked="" type="radio"/> Absent
2	Rajesh Kumar	rajesh.k@gmail.com	0123456798	Absent	<input type="radio"/> Present <input checked="" type="radio"/> Absent
3	Nur Syafiqah binti Azman	syafiqah.a@gmail.com	0123456799	Present	<input checked="" type="radio"/> Present <input type="radio"/> Absent

localhost:7018 says

Attendance saved successfully!

OK

When the tutor clicks the "Save Attendance" button, the system will display a "Save Successfully" message to confirm that the attendance records have been successfully updated. This ensures the tutor is notified that their changes have been saved.

Tutor Timetable

Tutor Timetable

December 2024

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25 Science 5B 08:00 – 14:00 AM Science 5B 14:30 – 16:30 PM	26	27 Account 5A 12:00 – 15:00 PM Math 5A 08:00 – 11:00 AM	28	29
30	31	1	2	3	4	5

This page allows the tutor to view their schedule by month and click on any specific class to view detailed information. By selecting a class, the tutor can see relevant details such as student lists, timings, and other class-specific information.

2. Tutor Profile

Update Profile Details

Profile Information

Name:

Email:

Phone:

Photo:

Drag & Drop your photo here or click to upload



This page allows the tutor to modify their name, email, phone number, and profile photo. The tutor can update these details to ensure their information is accurate and up to date.

Update Profile Details - Invalid Input

Invalid phone number. Use format: 01Z-XXXXXX

Display while phone number format incorrect.Lead user to input correct phone number format.

Invalid email format.

Display while email format incorrect.Lead user to input correct email format.

Update Profile Details - Valid Input

Profile updated successfully.

Profile Information

Name:
WONG LIK KEN

Email:
dr.ahmad@edu.com

Phone:
019-8765438

Photo:

Drag & Drop your photo here or click to upload



 Use Webcam

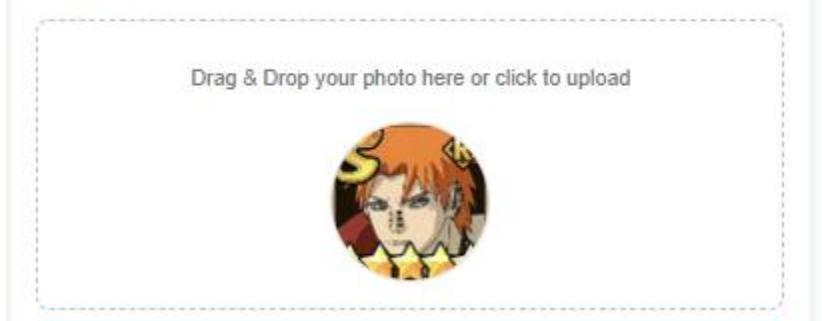
Update Details

When the information is successfully updated, a confirmation message will be displayed to inform the user that the changes have been saved. This message can appear at the top of the page or as a popup, ensuring the user is notified that the update was successful.

UX Improvement (Drag-and-Drop Photos Upload)

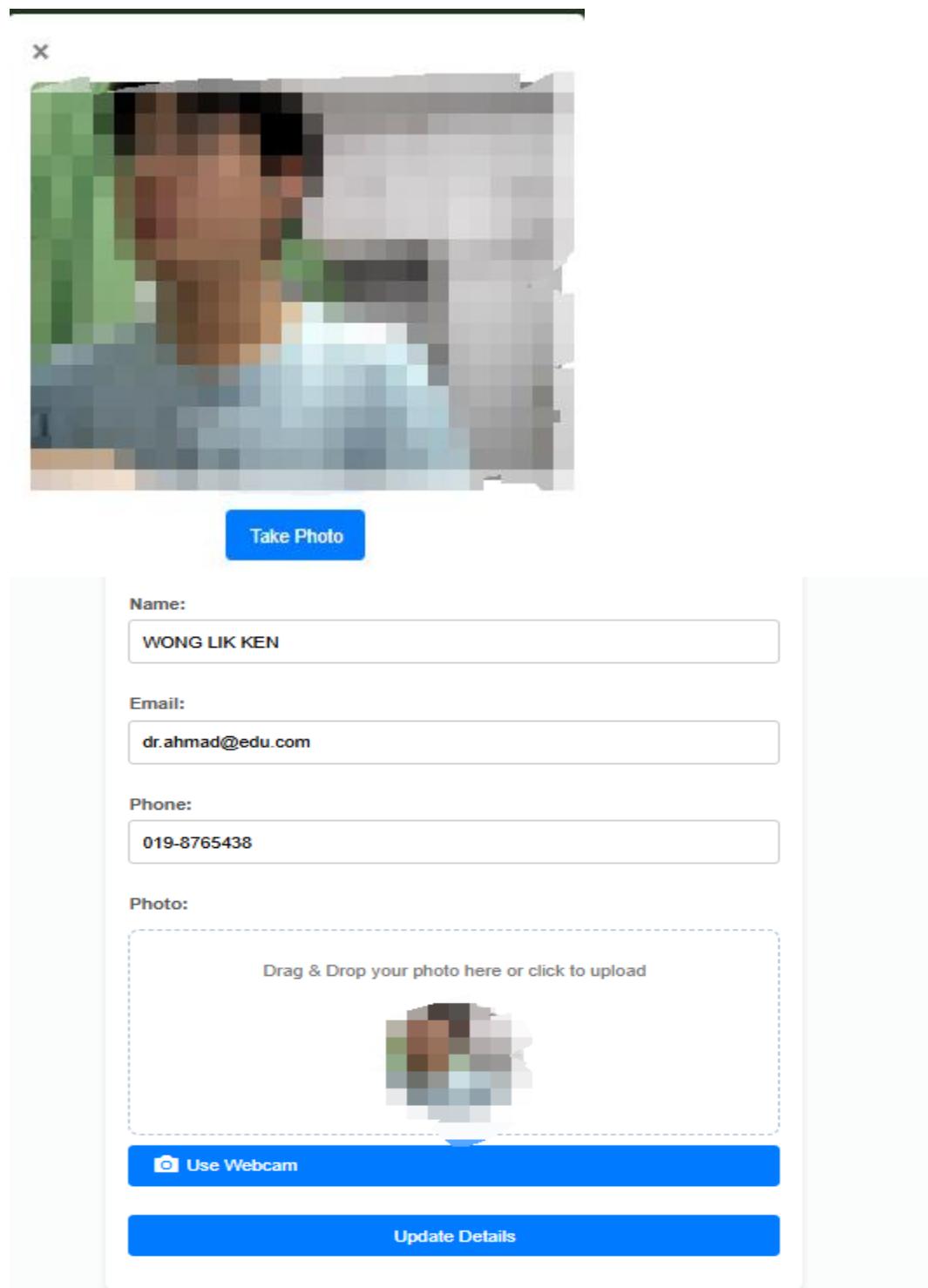
The screenshot shows a web browser window with three tabs: "Admin | View Schedules", "WMS Assignment - Google Doc", and "Tutor | Profile". The "Tutor | Profile" tab is active, displaying the URL "localhost:7018/Tutor/Profile". The main content area is titled "Profile Information" and shows a green success message bar stating "Profile updated successfully.". Below this, there are input fields for "Name" (WONG LIK KEN), "Email" (dr.ahmad@edu.com), and "Phone" (019-8765438). A "Photo:" section contains a dashed blue rectangular area with the placeholder text "Drag & Drop your photo here or click to upload". Below this area are two buttons: "+ Copy" and "Use Webcam". At the bottom of the form is a blue "Update Details" button.

Photo:



The drag-and-drop functionality allows users to easily upload their profile picture by dragging the image file from their device and dropping it into the designated upload area. This offers a simple, intuitive way for users to change their profile photo without needing to browse through files manually.

Webcam Photo Capture



Webcam integration allows users to take a photo directly using their device's camera to upload as a profile picture. This feature enables a seamless process for capturing and uploading a new profile photo without needing an external image file.

3. Others

Dashboard

The screenshot displays the 'Tutor Dashboard' interface. On the left, a sidebar lists navigation options: 'Dashboard', 'STUDENTS' (Manage Students), 'ATTENDANCE' (Manage Attendance), and 'TIMETABLE' (Tutor Timetable). A language selection dropdown shows 'Select Language' and a note 'Powered by Google Translate'. The main content area features three summary boxes: 'STUDENTS Total students: 26' with a person icon, 'CLASSES Total Classes: 2' with a green square icon, and 'TODAY'S CLASSES 1 Classes' with a calendar icon. Below these is a section titled 'Today's Classes' with a table:

CLASS	SUBJECT	TIME	STUDENTS	ATTENDANCE CODE
Account 5A	Matematik	08:00 AM	2	296842

Below this is another 'Today's Classes' section with identical data. At the bottom, a map of the 'Tunku Abdul Rahman University of...' campus is shown, including 'MAK I am Station', 'Tunku Abdul Rahman Universiti', 'Jalan Ampang', 'Kai Bok (Block A)', 'Jalan Gasing Kelang', 'Setapak', '53300 Kuala Lumpur', 'Federal Territory of Kuala Lumpur', and '3.9 ★★★★ 595 reviews'. The map also shows 'TAR UMT Hostel', 'VTAR Institute', 'TAR UMT Cyber Centre (CTC)', 'Lorong Masia 4', 'Lorong Masia 3', 'Mali's Corner', and 'Google'.

The tutor dashboard provides a summary of the day's scheduled classes, allowing easy access to class details, timings, and student lists. This feature helps tutors stay organized and prepared by displaying essential information in a single view.

Multi-language Support for UI Labels and Texts

Select Language ▼

Powered by Google Translate

Default:

The screenshot shows the 'Tutor Dashboard' of the 'Attendance Tracking' system. The left sidebar includes links for Dashboard, Manage Students, Manage Attendance, and Tutor Timetable. The main area displays three summary boxes: 'STUDENTS Total students: 27', 'CLASSES Total Classes: 3', and 'TODAY'S CLASSES 2 Classes'. Below these is a table titled 'Today's Classes' with two entries:

CLASS	SUBJECT	TIME	STUDENTS	ATTENDANCE CODE	DETAIL
Account 5A	Matematik Pro max	12:00 PM	1	HU234	<button>View</button>
Math 5A	Matematik Pro max	08:00 AM	1	142174	<button>View</button>

Malay selected:

The screenshot shows the CARI system interface in Malay. The top navigation bar includes the logo, 'Pengesahan Kehadiran' (Attendance Approval), 'CARi', and a welcome message 'Selamat datang WONG LIK KEN'. The left sidebar has sections for 'Papan pemuka' (Home Page), 'PELAJAR' (Student), 'KEHADIRAN' (Attendance), and 'JADUAL WAKTU' (Timetable). A dropdown menu shows 'Malay' selected, with a note 'Powered by Google Translate'. The main content area is titled 'Papan Pemuka Tutor' (Tutor Home Page) and displays student statistics: 'Jumlah pelajar: 27', 'Jumlah Kelas: 3', and '2 Kelas Hari Ini'. Below this is a section titled 'Kelas Hari Ini' (Classes Today) showing two entries:

KELAS	SUBJEK	MASA	PELAJAR	KOD KEHADIRAN	BUTIRAN
Akaun 5A	Matematik Pro maks	12:00 tengahari	1	HJ234	Lihat
Matematik 5A	Matematik Pro maks	08:00 AM	1	142174	Lihat

A multi-language feature enables users to choose their preferred language, making it easier to navigate and interact with the system. This improves user experience, promotes inclusivity, and ensures accessibility for a global audience.

Interactive On Screen

The screenshot shows a digital calendar for December 2024. The days of the week are labeled at the top: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday. The dates from 25 to 30 are listed in the grid. Overlaid on specific dates are blue callout boxes containing class details. For example, on December 25, there are two entries: 'Science 5B' from 11:00 - 14:00 AM and 'Science 5B' from 14:30 - 16:30 PM. Similar boxes appear for other dates like December 26, 27, 28, and 29, each detailing a different class or account.

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25 Science 5B 11:00 - 14:00 AM Science 5B 14:30 - 16:30 PM	26	27 Account 5A 09:00 - 11:00 AM Science 5B 10:00 - 12:00 AM Science 5B 08:00 - 10:00 AM	28 Account 5A 09:00 - 12:00 AM	29
30	31	1	2	3	4	5

The interactive onscreen help feature enables tutors to click on a specific date or class in the schedule calendar to view detailed class information. It also allows tutors to modify student attendance by selecting the class entry, streamlining class management and making it more efficient.

Batch Update (Sign Attendance Records)

The screenshot shows a user interface for managing class attendance. At the top, there's a 'Class Information' section with fields for Class Name (Science 5B), Subject (Matematik), Time (10:00 AM), Students (24), and Attendance Status (Present: 1, Absent: 0, Not Marked: 23). An 'Attendance Rate: 42%' is displayed on the right. Below this is a 'Class Attendance' table with columns for No, Student Name, Email, Phone, Current Status, and a 'Mark Attendance' button. Each row has a 'Present' or 'Absent' radio button next to it. A red hand cursor icon is positioned over the 'Mark Attendance' button. The table contains five rows of student data.

No	Student Name	Email	Phone	Current Status	Mark Attendance
1	AHMAD ISKANDAR BIN ABDULLAH	ahmad.isk@gmail.com	012-3456789	Present	<input type="radio"/> Present <input checked="" type="radio"/> Absent
2	Siti Nur Fatimah	sitinur@gmail.com	0123456797	Not Marked	<input type="radio"/> Present <input checked="" type="radio"/> Absent
3	Rajesh Kumar	rajesh.k@gmail.com	0123456798	Not Marked	<input type="radio"/> Present <input checked="" type="radio"/> Absent
4	Nur Syafiqah binti Azman	syafiqah.a@gmail.com	0123456799	Not Marked	<input type="radio"/> Present <input checked="" type="radio"/> Absent
5	Chong Wei Jian	weijian@gmail.com	0123456800	Not Marked	<input type="radio"/> Present <input checked="" type="radio"/> Absent

The batch update feature allows tutors to update attendance for the entire class at once, simplifying the process. By selecting a class session, tutors can apply attendance changes to all students in a single action, saving time and maintaining consistency.