



FACULTY OF INFORMATION SCIENCE

UNIVERSITI TEKNOLOGI MARA (UiTM) PUNCAK PERDANA CAMPUS

**BACHELOR OF INFORMATION SCIENCE (HONS.) INFORMATION SYSTEM
MANAGEMENT (CDIM262)**

ADVANCED DATABASE MANAGEMENT (IMS566)

GROUP PROJECT: TUITION BOOKING MANAGEMENT SYSTEM

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SUBMISSION DATE:

2 FEBRUARY 2026

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TABLE OF CONTENT

1.0 Introduction	2
1.1 Purpose	
2.0 Entity Relationship Diagram (ERD)	3
3.0 System Requirements	4
3.1 Software	
3.2 Version Compatibility	
3.3 Dependencies	
4.0 Installation and Setup Instructions	5 - 6
5.0 User Interface Overview	7 - 15
4.1 Layout	
4.2 Navigation	
6.0 Features & Functionalities (Screenshots)	16 - 18
7.0 Workflow of Form (CRUD Illustration)	19 - 20
8.0 Team Roles & Contributions	21
9.0 Contact Information	22
10.0 Conclusion and Reflection	23
10.1 Conclusion	
10.2 Reflection	

1.0 INTRODUCTION

For this project, our group has chosen to create a system called The Tuition Management System. It is designed to digitalize and streamline the traditional tuition registration and management process into a fully functional web application. The system addresses a few of common challenges that are faced by tuition centres like manual registrations, inefficient record keeping, bad scheduling, and limited access for students and administrators. By transforming these processes into an online platform, the system will help to enhance the efficiency, transparency and user experience.

The project integrates the core web development concepts that includes authentication, CRUD operations, search and filtering and data export and this is to ensure a complete and practical solution. The system allows administrators to manage student records, class schedules and payments. This does not only demonstrate technical implementation using PHP and CSS frameworks but also emphasizes usability and accessibility. It reflects the group's commitment to apply advanced web design and content management principles to solve real world problems while fostering collaboration and professional project documentation.

1.1 Purpose

The purpose of this project is to provide a seamless and efficient way for administrators to register the students into the tuition centre. A key feature of the system is the ability to generate and print a PDF registration form to ensure that student enrollment records are properly documented and easily accessible. This functionality bridges the gap between digital convenience and formal record-keeping, offering both students and administrators a reliable method of managing registration data.

By incorporating PDF export, the system ensures that the registration details can be surely stored, shared and submitted in a standardized format. This not only improves administrative efficiency but also enhances transparency and accountability in the tuition registration process.

GITHUB REPOSITORY LINK

<https://github.com/2024776633-max/tuitionbookingsystem.git>

2.0 ENTITY RELATIONSHIP DIAGRAM (ERD)

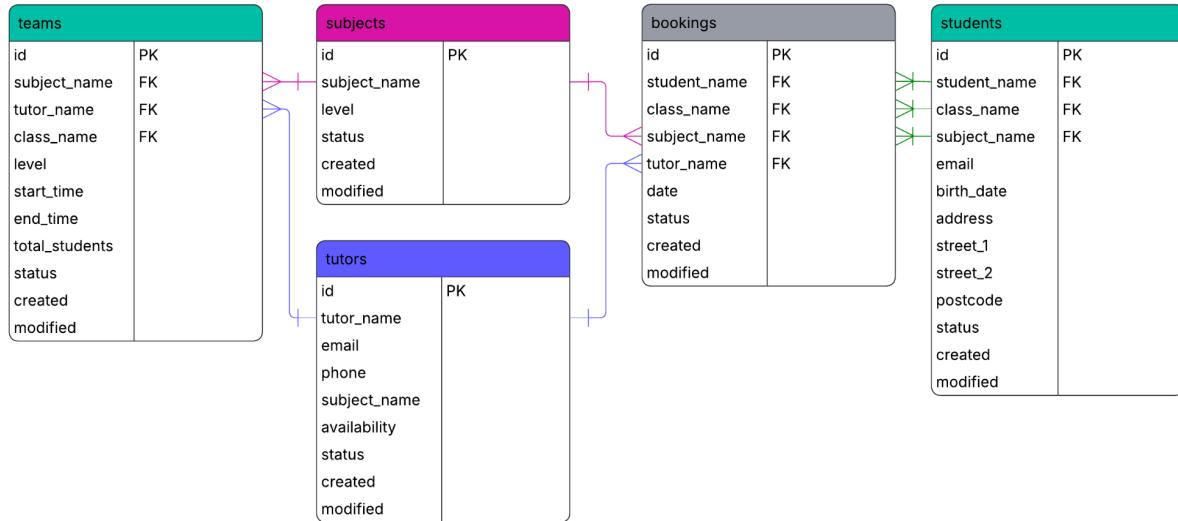


Figure 1: Entity Relationship Diagram

The ERD illustrates the core data structure and relationships that support the system's functionality. It consists of five main entities: **Subjects**, **Tutors**, **Students**, **Booking** and **Teams**. Each entity is designed to reflect the tuition centre, ensuring accurate data modelling and efficient system operations.

- Subjects store information about the subject offered, including subject name, level and status. It serves as a reference point for both tutors and classes.
- Tutors are linked to subjects they teach and have attributes such as contact information and availability. Each tutor is associated with one or more subjects.
- Classes represent scheduled sessions for specific subjects taught by tutors. Each class is linked to a subject and a tutor.
- Students capture the details including personal and contact information. Students can register for multiple classes.
- Bookings link students to classes. Each booking records registration date and status.

This ERD ensures data integrity and supports the system's core features such as registration, scheduling and payment tracking. It also facilitates the generation of PDF registration forms by linking student, class and booking data in a structured manner.

3.0 SYSTEM REQUIREMENTS

- Local Development Environment:

Laragon – An all-in-one platform that bundles Apache, MySQL, and PHP, making local hosting and service management simple.

- Web Server:

Apache (provided by Laragon)

- Database:

MySQL (managed via phpMyAdmin)

- Frontend:

HTML5, CSS3, Bootstrap 5

- Backend:

PHP 8.1 or above

- Browser:

Google Chrome (latest version)

- Operating System:

Windows 10 or above

4.0 INSTALLATION AND SETUP INSTRUCTIONS

- Step 1: Install Laragon

1. Download Laragon from the official website:

<https://laragon.org/download>

2. Run the installer and complete the setup with default settings.

3. Launch Laragon and click “Start All” to start Apache and MySQL services.

- Step 2: Set Up the Project Files

1. Open Laragon and click Menu → www → Open Folder.

2. Copy and paste your project folder into the c:\laragon\www directory.

3. Access the project in your browser via:

<http://localhost/tuitionbooking/>

- Step 3: Set Up the Database

- 1) In Laragon, click Menu → Database → phpMyAdmin or open it manually via:

<http://localhost/phpmyadmin>

- 2) Log in using:

- Username: root

- Password: ‘ ’

- 3) Click "New" to create a new database.

- 4) Navigate to the Import tab, select the provided .sql file, and click Go to import the database structure and data.

- Step 4: Configure Database Connection

Open your code editor, VS Code.

Set the database credentials like this:

```
$host = 'localhost';
```

```
$user = 'root';
```

```
$pass = ' ';
```

```
$dbname = 'tuitionbooking'
```

- Step 5: Launch the Web Application

1. Start your browser and go to:

<http://localhost/tuitionbooking/>

2. You can now log in or register as a student, admin and begin using the system.

- Log in

Email: admin@localhost.com

Password: 123456

5.0 USER INTERFACE OVERVIEW

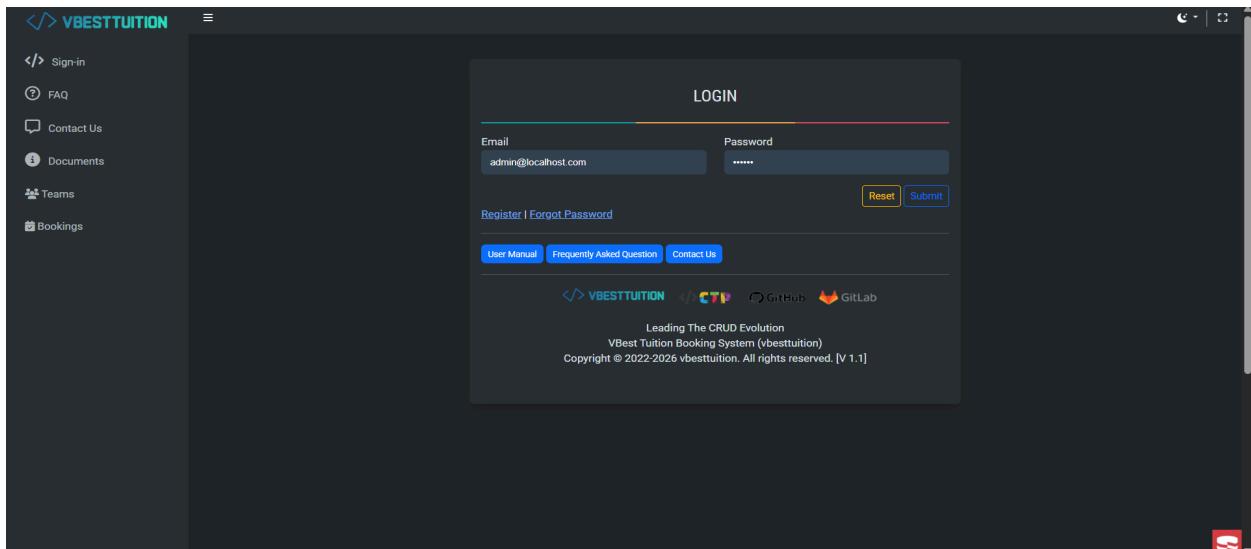


Figure 2 : View of Login Page

A screenshot of the VBESTTUITION dashboard page. The left sidebar shows a navigation menu with items like 'Dashboard', 'FAQ', 'Contact Us', 'Documents', 'Teams', 'Bookings', 'Profile', and sections for 'ADMINISTRATOR' with 'Students', 'Subjects', 'Tutors', 'Teams', 'Bookings', 'Site Configuration', and 'User Management'. The main dashboard area features a large central banner with the 'VBEST TUITION' logo and 'TUTORING SERVICES'. Below the banner are three cards: 'Tutor Profile Management' (Manage tutor profiles with subjects, skills, and availability for accurate bookings.), 'Real-Time Booking' (Instantly book tuition sessions with schedule management and conflict prevention.), and 'Booking Status Tracking' (Track each booking from Pending to Approved and Completed with clarity.). To the right, there's a 'Profile' section showing a placeholder profile picture for an administrator, account activity, and a 'To Do Task' section with items like 'Student Team Updated' and 'Task 3 - Booking Approval'. The bottom right corner includes icons for 'Code Automation' and 'Bootstrap Ready'.

Figure 3 : View of Dashboard Page

Users

• View Team list

The screenshot shows the 'Teams List' page of the VBESTTUITION system. The left sidebar has a dark theme with various navigation options under 'ADMINISTRATOR'. The main area displays a table with four rows of team data:

ID	Subject Name	Tutor Name	Class Name	Level	Start Time	End Time	Total Student	Status	Actions
4	Bahasa Melayu	NURUL IZZATI BINTI MD.NIZAM	Class A2	Primary 3	30 Dec 2025 - 10:30:00pm	11 Jan 2026 - 10:30:00pm	15	Active	
5	Mathematics	NORMISHA SAFIAH BINTI OMAR	Class A1	Form 1	03 Feb 2026 - 03:00:00am	02 Feb 2026 - 05:01:00am	10	Active	
6	Computer Science	ADRIANNA BATRISYA BINTI ABD HALIM	Class A1	Primary 6	03 Feb 2026 - 04:44:00am	02 Feb 2026 - 05:44:00am	11	Active	
7	Additional Mathematics	NURFATIHAH ASYIRA BINTI ABU KAHR	Class A5	Form 1	07 Feb 2026 - 12:33:00pm	03 Feb 2026 - 12:33:00pm	10	Active	

Below the table are buttons for '< Previous' and 'Next >'. A footer note says 'Page 1 of 1, showing 4 record(s) out of 4 total'. To the right is a search panel with fields for 'Id', 'Question', 'Answer', and 'Status' (Active, Disabled, Archived), and a 'Search' button.

Figure 4 : List of Teams

The screenshot shows the 'Teams Details' page. The left sidebar has a dark theme with various navigation options under 'ADMINISTRATOR'. The main area features the VBEST TUITION logo and a summary table 'Team Data' with the following information:

ID	4
Total Students	15
Created	11 Jan 2026
Modified	02 Feb 2026
Status	Active

Below this is a detailed table of team members:

Subject Name	Bahasa Melayu
Tutor Name	NURUL IZZATI BINTI MD.NIZAM
Class Name	Class A2
Level	Primary 3
Start Time	30 Dec 2025 - 10:30:00pm
End Time	11 Jan 2026 - 10:30:00pm
Total Students	15
Created	11 Jan 2026 - 10:30:00pm

Figure 5: View of Teams Details

- **View Booking list**

ID	Student Name	Class Name	Subject Name	Tutor Name	Session	Status	Actions
10	SURAYA AMNA BINTI KHALID	Class A3	Mathematics	NORMISHA SAFIAH BINTI OMAR	Feb 2026	Active	
11	NURUL NADIA BINTI NADHIR	Class A1	Bahasa Melayu	NURUL IZZATI BINTI MD.NIZAM	Feb 2026	Active	
12	FATIMAH ZAHRA BINTI AHMAD	Class A2	Computer Science	ADRIANNA BATRISYA BINTI ABD HALIM	Feb 2026	Active	
13	AMMAR NABIL BINTI HALIM	Class A5	Additional Mathematics	NURFATIHAH ASYIRA BINTI ABU KAHR	Feb 2026	Active	

< Previous | Next >
Page 1 of 1, showing 4 record(s) out of 4 total

Figure 6 : List of Bookings

Student Name	:	SURAYA AMNA BINTI KHALID
Class Name	:	Class A3
Subject Name	:	Mathematics
Tutor Name	:	NORMISHA SAFIAH BINTI OMAR
Session	:	Feb 2026

TERMS AND CONDITION
1 Parties

Figure 7: View of Bookings Details

Administrator

• View Students List

The screenshot shows the 'Students List' page of the VBest Tuition Booking System. The left sidebar has a dark theme with various administrator navigation options. The main area displays a table of student records with columns for ID, Student Name, Subject Name, Class Name, Email, Phone Number, Birth Date, Status, and Actions. Each row contains a set of icons for editing, deleting, and viewing details. A search bar is present on the right side of the table.

#	ID	Student Name	Subject Name	Class Name	Email	Phone Number	Birth Date	Status	Actions
1	2	NURUL NADIA BINTI NADHIR	Bahasa Melayu	Class A1	nadia@gmail.com	0176019723	01 Nov 2000	Active	[Edit] [Delete] [View]
2	3	FATIMAH ZAHRA BINTI AHMAD	Computer Science	Class A2	fatimah@gmail.com	0114563871	07 May 2002	Active	[Edit] [Delete] [View]
3	4	SURAYA AMNA BINTI KHALID	Mathematics	Class A3	suraya@gmail.com	0114563871	17 Jul 2012	Active	[Edit] [Delete] [View]
4	5	AMMAR NABIL BINTI HALIM	Additional Mathematics	Class A5	ammar@gmail.com	0135558734	02 Jun 2009	Active	[Edit] [Delete] [View]

Figure 8: List of Students

The screenshot shows the 'Students Details' page of the VBest Tuition Booking System. The left sidebar has a dark theme with various administrator navigation options. The main area displays the logo of 'VBest Tuition Tutoring Services' and a detailed view of a student's information. On the right, there is a 'Student Data' panel showing the student's email, phone number, creation date, modification date, and status. Below the logo, a table lists the student's personal details such as name, subject, class, email, phone number, birth date, street address, and street 2.

Student Name	NURUL NADIA BINTI NADHIR
Subject Name	Bahasa Melayu
Class Name	Class A1
Email	nadia@gmail.com
Phone Number	0176019723
Birth Date	01 Nov 2000
Street 1	No. 15, Jalan Kristal Tiga
Street 2	7/76C, Seksyen 7

Figure 9: View of Students Details

- **View Subjects List**

#	Id	Subject Name	Level	Status	Actions
1	7	English	Primary 1	Active	
2	8	bahasa melayu	Primary 1	Active	
3	9	bahasa melayu	Primary 2	Active	

Page 1 of 1, showing 3 record(s) out of 3 total

Figure 10: List of Subjects

Subject Name	English
Level	Primary 1
ID	7
Status	Available
Created	02 Feb 2026 - 04:34:00am
Modified	02 Feb 2026 - 04:34:00am

Figure 11 : View of Subject Details

- **View Tutors List**

#	Tutor Name	Email	Phone	Subject Name	Availability	Status	Actions
1	NURFATIHAH ASYIRA BINTI ABU KAHAR	asyira@vbest.com	0176019723	Additional Mathematics	Available	Active	
2	NURUL IZZATI BINTI MD.NIZAM	izzati@vbest.com	0123670665	Bahasa Melayu	Available	Active	
3	ADRIANNA BATRISYA BINTI ABD HALIM	adrianna@vbest.com	0142842366	Computer Science	Available	Active	
4	NORMISHA SAFIAH BINTI OMAR	misyaa@vbest.com	0136728773	Mathematics	Available	Active	

< Previous | Next >

Page 1 of 1, showing 4 record(s) out of 4 total

Figure 12 : List of Tutors

VBEST TUITION
TUTORING SERVICES

Tutor Name	NURFATIHAH ASYIRA BINTI ABU KAHAR
Email	asyira@vbest.com
Phone	0176019723
Subject	Additional Mathematics
Availability	Available
ID	15
Status	Active

Tutor Data

Created Date: 02 Feb 2026 - 08:19:00am
 Modified Date: 02 Feb 2026 - 06:01:00pm
 Status: Active

Figure 13: View of Tutors Details

- **View Teams List**

ID	Subject Name	Tutor Name	Class Name	Level	Start Time	End Time	Total Student	Status	Actions
4	Bahasa Melayu	NURUL IZZATI BINTI MD.NIZAM	Class A2	Primary 3	30 Dec 2025 - 10:30:00pm	11 Jan 2026 - 10:30:00pm	15	Active	
5	Mathematics	NORMISHA SAFIAH BINTI OMAR	Class A1	Form 1	03 Feb 2026 - 03:00:00am	02 Feb 2026 - 05:01:00am	10	Active	
6	Computer Science	ADRIANNA BATRISYA BINTI ABD HALIM	Class A1	Primary 6	03 Feb 2026 - 04:44:00am	02 Feb 2026 - 05:44:00am	11	Active	
7	Additional Mathematics	NURFATIHAH ASYIRA BINTI ABU KAHAR	Class A5	Form 1	07 Feb 2026 - 12:33:00pm	03 Feb 2026 - 12:33:00pm	10	Active	

Page 1 of 1, showing 4 record(s) out of 4 total

Figure 14: List of Teams

Teams Details

VBest Tuition Booking System



VBEST TUITION
TUTORING SERVICES

Subject Name	Bahasa Melayu
Tutor Name	NURUL IZZATI BINTI MD.NIZAM
Class Name	Class A2
Level	Primary 3
Start Time	30 Dec 2025 - 10:30:00pm
End Time	11 Jan 2026 - 10:30:00pm
Total Students	15
Created	11 Jan 2026 - 10:30:00pm

Team Data

ID	4
Total Students	15
Created	11 Jan 2026
Modified	02 Feb 2026
Status	Active

Figure 15: View Team Details

• View Bookings List

The screenshot shows the 'Bookings List' page of the VBest Tuition Booking System. The left sidebar has a dark theme with various navigation options under 'ADMINISTRATOR'. The main area displays a table of bookings with columns: Id, Student Name, Class Name, Subject Name, Tutor Name, Session, Status, and Actions. There are four entries in the table:

Id	Student Name	Class Name	Subject Name	Tutor Name	Session	Status	Actions
10	SURAYA AMNA BINTI KHALID	Class A3	Mathematics	NORMISHA SAFIAH BINTI OMAR	Feb 2026	Active	
11	NURUL NADIA BINTI NADHIR	Class A1	Bahasa Melayu	NURUL IZZATI BINTI MD.NIZAM	Feb 2026	Active	
12	FATIMAH ZAHRA BINTI AHMAD	Class A2	Computer Science	ADRIANNA BATRISYA BINTI ABD HALIM	Feb 2026	Active	
13	AMMAR NABIL BINTI HALIM	Class A5	Additional Mathematics	NURFATIHAH ASYIRA BINTI ABU KAHAR	Feb 2026	Active	

Below the table, there are navigation buttons for '< Previous' and 'Next >'. A message at the bottom says 'Page 1 of 1, showing 4 record(s) out of 4 total'.

Figure 16: List of Bookings

The screenshot shows the 'Bookings Details' page of the VBest Tuition Booking System. The left sidebar has a dark theme with various navigation options under 'ADMINISTRATOR'. The main area displays the logo of 'VBEST TUITION TUTORING SERVICES' and the 'TUITION AGREEMENT' section. It lists the following booking details:

Student Name	:	SURAYA AMNA BINTI KHALID
Class Name	:	Class A3
Subject Name	:	Mathematics
Tutor Name	:	NORMISHA SAFIAH BINTI OMAR
Session	:	Feb 2026

Below the booking details, there is a 'TERMS AND CONDITION' section and a note '1 Parties'.

On the right side, there is a 'Booking Data' panel with the following information:

- Booking Date: Feb 02, 2026 (02:58 PM)
- Approval Date: Feb 02, 2026 (05:45 PM)
- Booking Status: Active

A 'Download PDF' button is also present in this panel.

Figure 17: View Bookings Details

PDF RESULT



TUITION AGREEMENT

Student Name	:	SURAYA AMNA BINTI KHALID
Class Name	:	Class A1
Subject Name	:	English
Level	:	0
Tutor Name	:	0
Session	:	Feb 2026

TERMS AND CONDITION

1. Parties

This Tuition Agreement ("Agreement") is entered into by and between **VBEST Tuition Centre** ("Centre") and **SURAYA AMNA BINTI KHALID** ("Student"), in connection with the Student's enrollment in **Class A1** ("Class") for the academic term beginning on **01 February 2026**.

2. Tuition Fees

Tuition fees are quoted in Malaysian Ringgit and determined on a per-class basis. The standard tuition fee for one class is **RM65 per session**, payable in advance prior to the commencement of each scheduled class. Students may elect to pay for individual sessions or purchase multiple sessions as a package, subject to the Centre's prevailing policies and any promotional offers in effect at the time of booking.

All tuition fees must be settled through approved payment methods, including cash, bank transfer, or online payment via the Centre's designated portal. The Centre reserves the right to revise tuition fees periodically in accordance with operational requirements, and any adjustments shall be communicated to students and parents at least thirty (30) days prior to implementation.

Failure to remit payment in full by the stipulated deadline may result in suspension of the Student's booking, denial of access to scheduled classes, or termination of the Agreement.

3. Payment Time

The Student agrees to pay tuition fees on or before the deadline stated in the academic calendar. Newly enrolled students are required to settle tuition fees prior to the commencement of their first session.

4. Cancellation and Refund Policy

In principle, tuition fees are non-refundable once the Programme has commenced. If the Student withdraws before **01 February 2026**, all tuition fees paid shall be refunded. After this date, no refunds will be made, including in cases of absence, suspension, or voluntary withdrawal.

Figure 18: The output of View PDF

6.0 FEATURES AND FUNCTIONALITY

The Tuition Management System offers a comprehensive array of features essential for a contemporary, database-driven enrolment system. Below are its key functions:

1. Authentication System

A secure login system designed for various user roles:

- Students – able to register, submit, and track their tuition applications.
- Parents – able to register, submit, and track tuition applications on behalf of their children.
- Administrators – responsible for reviewing, verifying, and approving applications.

Integrated input authentication measures to prevent unauthorised access and enhance security during the login process.

2. Student Application Submission (Create)

Students have the opportunity to complete a comprehensive tuition registration form.

The input fields consist of:

- Personal details (including name, ID, phone number, and email).
- Tuition start date, time, and session details.
- Class options, which include subject and tutor name.

Validation rules are in place to ensure that all essential fields are accurately filled in.

3. View and manage submissions, including the ability to read, update, and delete them.

Students can:

- Check the status of their submitted applications.
- Modify applications while they are still pending.
- Remove applications that have not yet been approved or have been rejected.

Administrators can:

- View all submitted applications from students.
- Access details regarding all attached forms.

4. Administrator Approval Panel

Administrators can utilise a specialised dashboard that allows them to:

- View and manage applications submitted by students or parents.
- Approve, archive, or reject applications, with the option to provide feedback through comments.

5. PDF Generation and Export

- The system generates a letter concerning the tuition agreement and its terms and conditions in PDF format automatically upon submission.
- Students are able to download their letter directly.
- Approved letters are forwarded to the administrator for final confirmation and record-keeping purposes.

6. Role-Based Navigation and Access

A well-structured navigation bar provides access to various features tailored to user roles:

- For students and parents: Application forms and status tracking.
- For administrators: Management tools for users, applications, the Approval Panel, and document access.

Navigation is customised according to these roles:

- Students have access solely to application-related functions.
- Administrators can access management, approval, and tracking tools.

7. Search and Filter

Users, which include students, parents, and administrators, can efficiently search and filter applications based on the following criteria:

- Student Name
- Subject
- Class
- Session
- Application Status, including options like active, disabled, or archived

7.0 WORKFLOW OF CRUD

The Tuition Booking Management System applies the CRUD (Create, Read, Update, Delete) model to manage tuition centre operations. Each module (Students, Tutors, Subjects, Classes, Bookings) follows this workflow to ensure smooth data handling and user interaction.

1. Create (Insert Data)

- Students: New students register by filling in their personal details (name, email, phone, birth date). Once submitted, the system stores the record in the students table.
- Tutors: Administrators add tutor profiles with details such as name, email, phone number, subject expertise, and availability.
- Subjects & Classes: Administrators create new subjects and assign them to tutors. Classes are scheduled with start/end dates, times, and levels.
- Bookings: Students (or administrators on their behalf) create bookings by selecting a subject, tutor, and class. The booking record is stored with status “Pending” until approved.

2. Read (Retrieve Data)

- Students: Students can view their profile, booking history, and class details.
- Tutors: Tutors can check their assigned subjects, schedules, and student lists.
- Administrators: Admins can view all records student lists, tutor profiles, subject details, and booking requests through dashboards and tables.
- System Output: Data is retrieved using SQL SELECT queries and displayed in real-time via the web interface (tables, lists, and dashboards).

3. Update (Modify Data)

- Students: Students can update their personal details (e.g., email, phone number) or edit pending bookings before approval.
- Tutors: Administrators can update tutor information such as contact details or availability.
- Subjects & Classes: Admins can adjust subject details, class schedules, or student capacity.

- Bookings: Booking status can be updated by administrators (e.g., “Pending” → “Approved” or “Rejected”).

4. Delete (Remove Data)

- Students: Administrators can remove inactive or duplicate student records.
- Tutors: Tutors who are no longer available can be deleted from the system.
- Subjects & Classes: Outdated or cancelled subjects/classes can be removed.
- Bookings: Students or administrators can cancel bookings before approval, and administrators can delete invalid or archived records.

Overall Workflow

1. User Interaction: Students, tutors, and administrators interact with forms and dashboards.
2. Backend Processing: PHP scripts validate inputs and execute CRUD operations.
3. Database Operations: MySQL stores, retrieves, modifies, or deletes records in the relevant tables.
4. System Output: Updated information is displayed instantly in the web interface, ensuring transparency and usability.

8.0 TEAM ROLES AND CONTRIBUTION

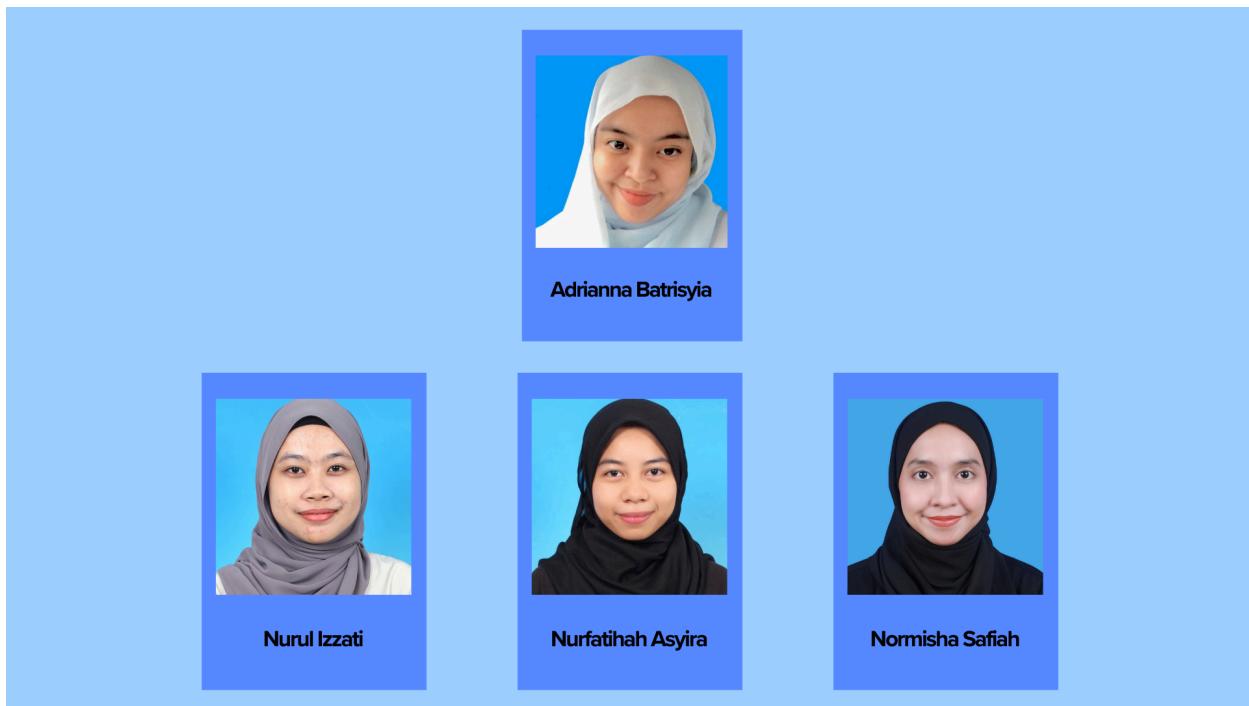


Figure 19 : Organization Chart

9.0 CONTACT INFORMATION

For any issues, technical support, or enquiries regarding this tuition application, users may contact the project team using the details provided below.

- Project Team Contacts

NAME	EMAIL ADDRESS
NURUL IZZATI BINTI MD. NIZAM	2024764955@student.uitm.edu.my
ADRIANNA BATRISYA BINTI ABD HALIM	2024959971@student.uitm.edu.my
NURFATIHAH ASYIRA BINTI ABU KAHAR	2024776633@student.uitm.edu.my
NORMISHA SAFIAH BINTI OMAR	2024963059@student.uitm.edu.my

10.0 CONCLUSION AND REFLECTION

10.1 Conclusion

The Tuition Booking Management System has successfully achieved its primary objective of digitalizing and streamlining the traditional tuition registration and management process into a fully functional web-based application. Through the implementation of core web development technologies including **PHP**, **HTML5**, **CSS3** and **BOOTSTRAP 5**, the system has effectively addressed the common challenges faced by tuition centres.

The system demonstrates a comprehensive application of CRUD operations across multiple entities like **STUDENTS**, **TUTORS**, **SUBJECTS**, **TEAMS & BOOKINGS**. The integration of role-based authentication ensures the secure access control, while the PDF generation feature bridges the gap between digital convenience and formal documentation requirements. The Entity Relationship Diagram provides a solid foundation for data integrity and supports efficient database operations, ensuring that all relationships between entities are properly maintained and validated.

10.2 Reflection

Throughout the development of this Tuition Booking Management System, our team has gained valuable experience in advanced database management and web application development. The process of designing and implementing the ERD has helped us understand the critical importance of proper database normalization and relationship management. Working with foreign keys, primary keys and maintaining referential integrity provided practical insights that reinforced our theoretical knowledge from classes.

This project emphasized the importance of effective communication between team members and their contribution to the project. Each member has contributed their unique strengths and backend development to frontend implementation and documentation. Regular team meetings and clear role distribution as outlined in our organizational chart have ensured that tasks were completed efficiently and deadlines were met. We encountered several challenges during development, including database connection issues, form validation complexities and UI/UX design decisions. However, through collaborative problem solving and mutual understanding and understanding, we were able to overcome these obstacles and to deliver a cohesive and functional system. This experience have taught us valuable lessons about web application development, version control and clear documentation throughout the development lifecycle.