



COLLEGE OF COMPUTER SCIENCE AND MATHEMATICS

CAMPUS SHAH ALAM

BACHELOR OF INFORMATION TECHNOLOGY (HONS.)

CDCS240

ENTERPRISE PROGRAMMING

CSC584

TITLE:

FINAL YEAR PROJECT SUPERVISION & PROGRESS TRACKER

GROUP:

NBCS2404A

PREPARED FOR:

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PREPARED BY:

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1. Introduction

The Final Year Project (FYP) is an important part of a student's study. It requires proper planning, tracking, and communication between students and supervisors. To make this process easier, we developed a web application called FYP Supervision.

FYP Supervision is designed to help manage project progress in a simple and organized way. The system provides features such as registration, login, dashboard, project details, milestones, file upload, and feedback. Students can update their work regularly, while supervisors can monitor progress and give guidance through the system. This project aims to replace manual tracking with a streamlined web solution, ultimately saving time and reducing common communication errors. In conclusion, FYP Supervision is a useful system that supports both students and supervisors in managing the Final Year Project effectively.

2. Project Description

The project is called FYP Supervision, a web-based system created to help manage Final Year Projects. It is designed for students and supervisors to keep all project information in one place. The system provides functions such as registration, login, dashboard, project details, milestones, file upload, and feedback.

Key Features

The system is divided into two main modules to keep tasks organized:

- **Supervisor Module:** Supervisors can register, log in, and monitor their students' projects. They have the authority to assign milestone tasks, edit or delete these tasks, and provide feedback on student work. Once a student finishes their work, the supervisor can mark the project as completed.
- **Student Module:** Students can register and log in to view their project details and track their progress. They can submit tasks assigned by their supervisor, upload project files, and view the feedback given by their supervisor.

The system uses the MVC (Model-View-Controller) framework to keep the code organized and easy to maintain. It is developed using HTML, CSS, JSP, and Java Servlets, with a database to store user accounts, project details, and uploaded files.

Overall, FYP Supervision is a practical tool that supports project management by saving time, reducing confusion, and improving collaboration between students and supervisors.

3. User Manual

Supervisor Module

Supervisor Registration

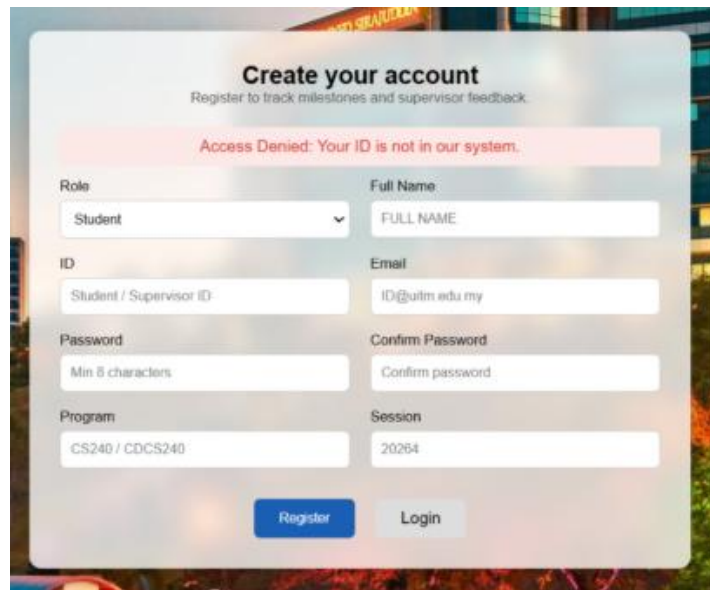
To access the system, supervisors must first create an account through the registration page.

1. Select Role: Users must select "Supervisor" from the Role dropdown menu.
2. Fill in Details: Complete the registration form by entering the following information:
 - Full Name: Your complete official name.
 - ID: Your specific Supervisor ID.
 - Email: Your academic email address.
 - Password: A secure password with a minimum of 8 characters.
3. Submit: Click the "Register" button. Upon a successful registration, the system will automatically redirect you to the Login Page.
4. If an invalid ID is used, the system displays "Access Denied: Your ID is not in our system". The account will not be created, and you must provide a valid ID to proceed.

The screenshot displays a web browser window with the URL `localhost:8080/FYPTracker/register.jsp`. The page title is "FYP Supervision". The main content area shows a "Create your account" form with the subtitle "Register to track milestones and supervisor feedback." The form includes the following fields:

- Role:** A dropdown menu with "Supervisor" selected.
- Full Name:** A text input field with the placeholder "FULL NAME".
- ID:** A text input field with the placeholder "Student / Supervisor ID".
- Email:** A text input field with the placeholder "ID@utm.edu.my".
- Password:** A text input field with the placeholder "Min 8 characters".
- Confirm Password:** A text input field with the placeholder "Confirm password".
- Program:** A text input field with the value "CS240 / CDCS240".
- Session:** A text input field with the value "20264".

At the bottom of the form, there are two buttons: "Register" (in blue) and "Login" (in grey). The background of the page is a night-time photograph of the Universiti Teknologi Malaysia (UTM) building, illuminated with lights.



Create your account
Register to track milestones and supervisor feedback.

Access Denied: Your ID is not in our system.

Role: Student (dropdown)

Full Name: FULL NAME

ID: Student / Supervisor ID

Email: ID@uilm.edu.my

Password: Min 8 characters

Confirm Password: Confirm password

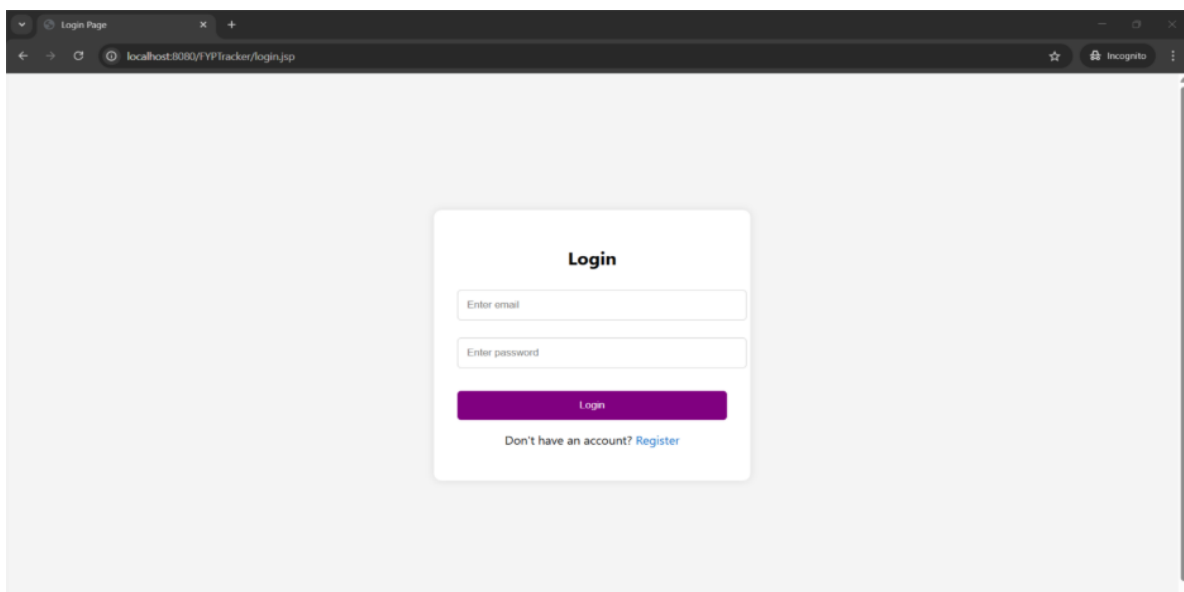
Program: CS240 / CDCS240

Session: 20264

Register Login

Supervisor Login

1. Navigate to the FYP Supervision login page.
2. To log in, enter your registered supervisor email address and password.
3. Click the “Login” button.
4. If the email and password are correct, you will be redirected to the Supervisor Dashboard.
5. If the details are incorrect, the system will show an error message, and you will need to try again.



Login Page

localhost:8080/YYPTracker/login.jsp

Login

Enter email

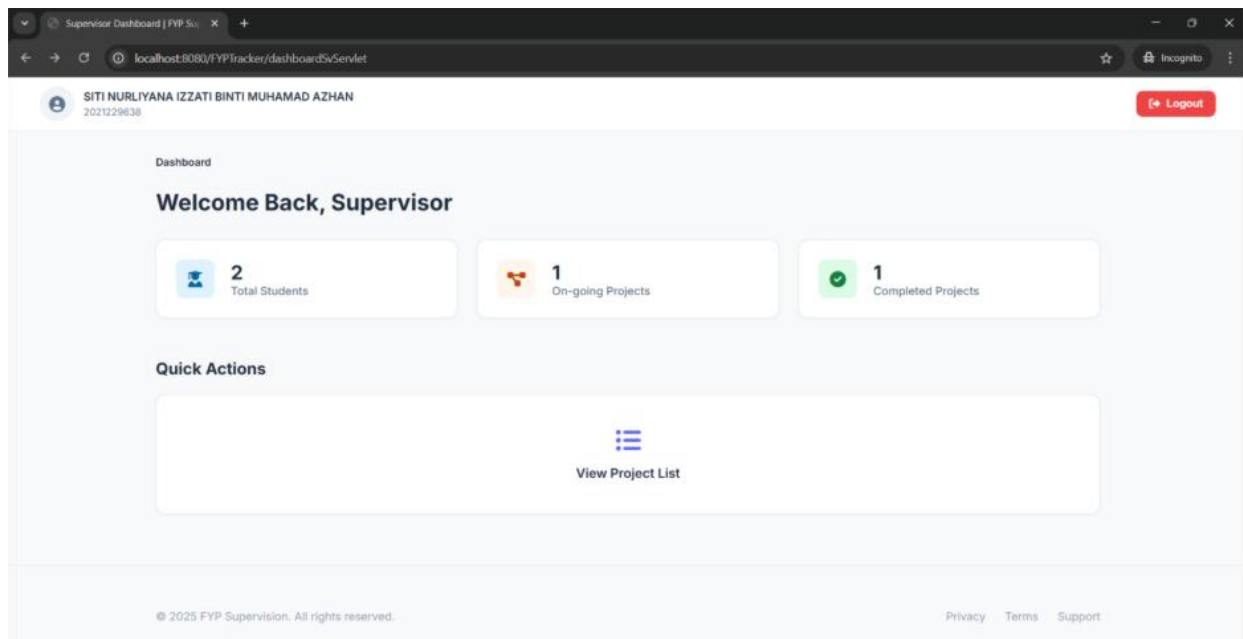
Enter password

Login

Don't have an account? [Register](#)

Supervisor Dashboard

1. After login, the system will open the Supervisor Dashboard.
2. At the top, you will see a welcome message with your name and ID number.
3. The dashboard provides a summary of:
 - Total Students: The number of students you are supervising.
 - On-going Projects: Projects currently in progress.
 - Completed Projects: Projects that have been finished.
4. In the Quick Actions section, click “View All Task” to view the details of the task assigned by supervisor. This will redirect page Student Milestone Progress.
5. To log out, click Log Out button at the top-right corner of the page.



Supervisor - Project List

This page allows supervisors to manage and track all students assigned to them in one place.

1. View Student List: See a table containing the names, project titles, and sessions of all the assigned students.
2. Check Project Status: Monitor progress using the status labels:
 - On-going: The student is currently working on the project.
 - Completed: The student has successfully finished their FYP.
3. View Project Details: Click "View Project" under the Action column to see the specific task details and milestone progress for that each student. This will redirect to the Supervisor Project Details.
4. Supervisor also can view the total number of students and projects assigned to the supervisor at the top-right of the list.

NO	STUDENT NAME	PROJECT TITLE	PROGRAM	SESSION	STATUS	ACTION
1	Nur Azlina Binti Abu	Eco System Shop	CDCS240	2025/2026	Completed	View Project
2	Nur Shazleen Binti Shah	AI-Based Smart Tracking	CS240	1/2026	On-going	View Project

Supervisor – Project Details

This page displays complete student information and their task progress while serving as the main platform to manage all project milestones

1. At the top of the page shows important details such as the student's name, project name, status (On-going or Completed), and session.
2. If milestones exist, you can:
 - Add new milestones
 - Mark project as completed
 - View submission and add feedback
 - Edit milestone
 - Delete milestones.
3. If no milestones are found, the system will show a message saying, “No milestone found.”

The screenshot shows a web application interface for a supervisor. At the top, there's a header with the user's name 'SITI NURLIYANA IZZATI BINTI MUHAMAD AZHAN' and a 'Logout' button. Below the header, there's a breadcrumb trail: 'Dashboard / Project List / Project Details'. The main content area is divided into two sections. The first section displays student and project information: 'STUDENT NAME: Nur Shazleen Binti Shah', 'PROJECT NAME: AI-Based Smart Tracking', 'PROJECT STATUS: On-going', and 'SESSION: 1/2026'. To the right of this information are two buttons: '+ Add Milestone' (blue) and 'Mark Project as Completed' (green). The second section is titled 'Milestone Progress' and contains a table with one milestone entry. The table has columns for NO, TASK, DESCRIPTION, START DATE, END DATE, STATUS, and ACTION. The entry shows a task to 'Submit Chapter 1' with a description 'Please prepare chapter 1 based on slides that I have uploaded @ Ufuture', starting on '15 Feb 2026, 12:00 AM' and ending on '17 Feb 2026, 12:00 AM'. The status is 'Pending', and the action column contains links for 'View', 'Edit', and 'Delete'. At the bottom of the page, there is a footer with copyright information '© 2025 FYP Supervision. All rights reserved.' and links for 'Privacy', 'Terms', and 'Support'.

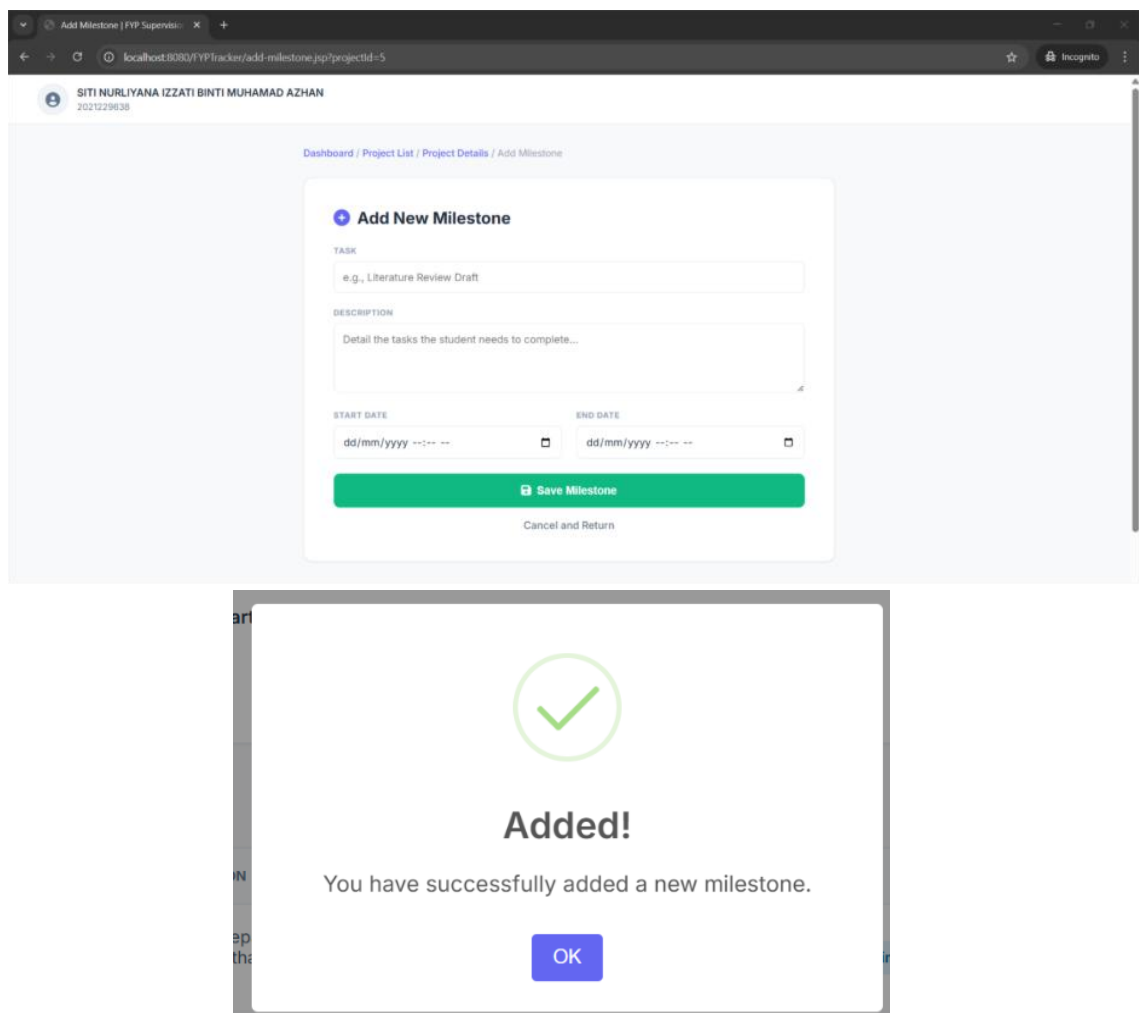
NO	TASK	DESCRIPTION	START DATE	END DATE	STATUS	ACTION
1	Submit Chapter 1	Please prepare chapter 1 based on slides that I have uploaded @ Ufuture	15 Feb 2026, 12:00 AM	17 Feb 2026, 12:00 AM	Pending	View Edit Delete

Add new milestones

1. To assigned new task or milestone to student, supervisors can click the + Add Milestone button and enter the details:

- Task name
- Descriptions
- Start dates
- End dates

Click “Save” to record the task and send to student. A message will show once the action has been completed.



The image shows a web browser window displaying a form titled "Add New Milestone". The form is part of a system for supervisors to assign tasks to students. It includes fields for "TASK", "DESCRIPTION", "START DATE", and "END DATE". The "TASK" field contains the text "e.g., Literature Review Draft". The "DESCRIPTION" field contains the text "Detail the tasks the student needs to complete...". The "START DATE" and "END DATE" fields are set to "dd/mm/yyyy --:-- --". Below the form is a green "Save Milestone" button and a "Cancel and Return" link. The browser's address bar shows the URL "localhost:8080/YPTracker/add-milestone.jsp?projectId=5". The user's name "SITI NURLIYANA IZZATI BINTI MUHAMAD AZHAN" and ID "2021229638" are visible in the top left corner.

Added!


You have successfully added a new milestone.

OK

Project Details | FYP Supervisor

localhost:8080/FYPTracker/ProjectDetailsServlet?id=5

Incognito

 **SITI NURLİYANA IZZATI BINTI MUHAMAD AZHAN**
2021229638

Logout

[Dashboard](#) / [Project List](#) / [Project Details](#)

STUDENT NAME

PROJECT NAME

PROJECT STATUS

SESSION

Nur Shazleen Binti Shah

AI-Based Smart Tracking

On-going

1/2026

+ Add Milestone

✓ Mark Project as Completed

Milestone Progress

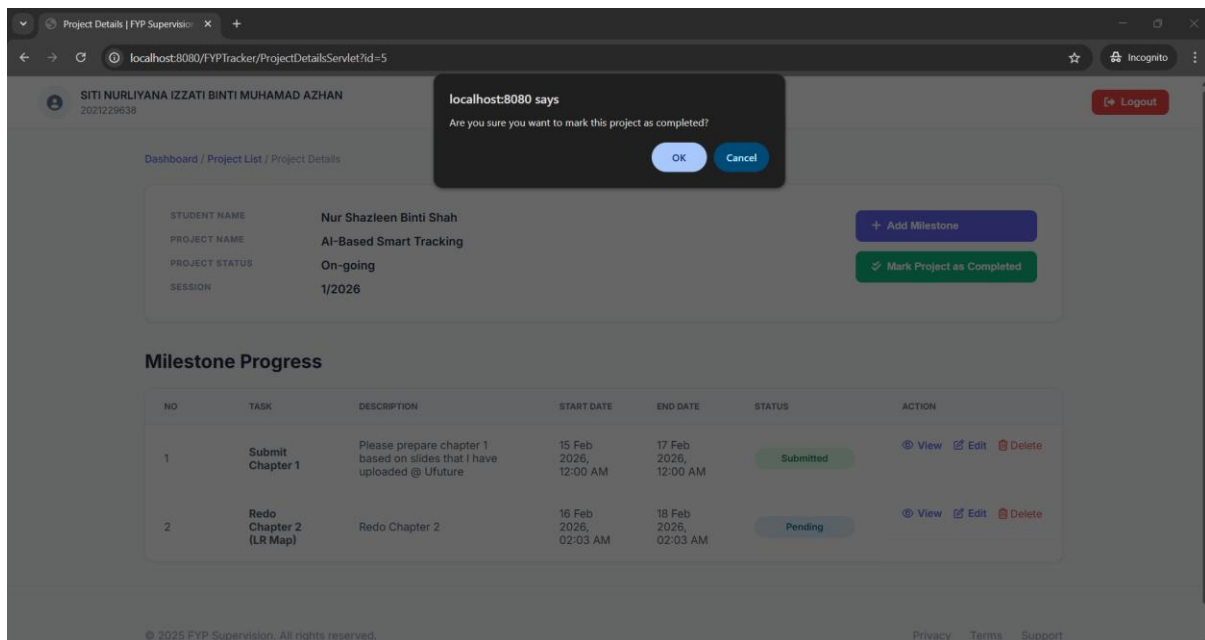
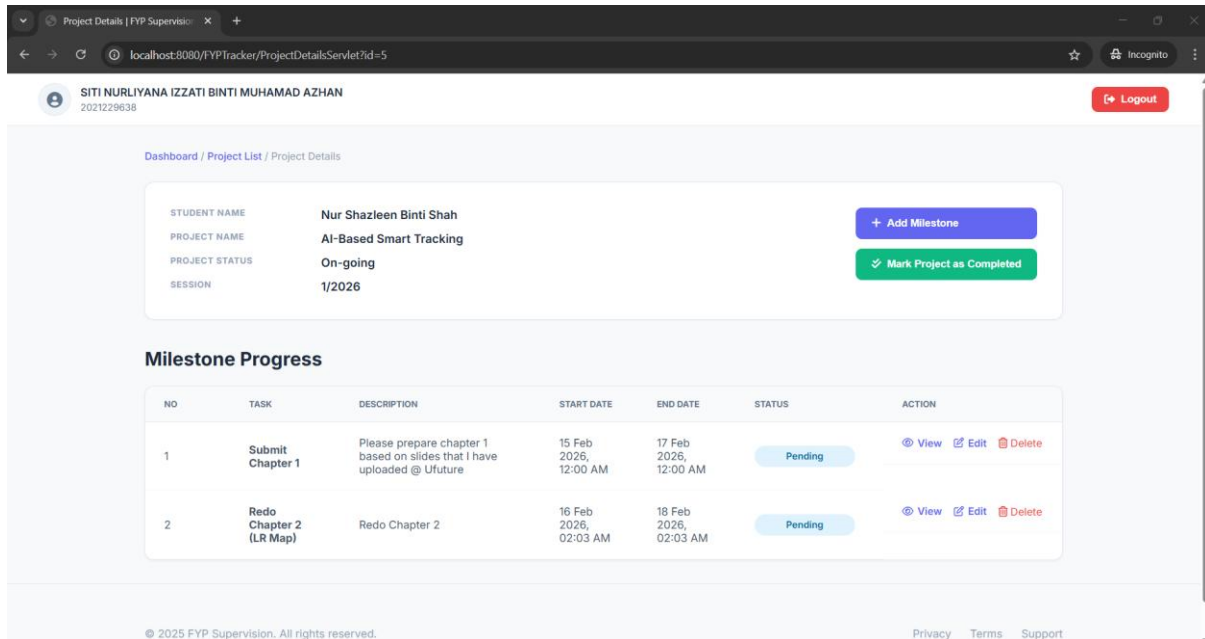
NO	TASK	DESCRIPTION	START DATE	END DATE	STATUS	ACTION
1	Submit Chapter 1	Please prepare chapter 1 based on slides that I have uploaded @ Ufuture	15 Feb 2026, 12:00 AM	17 Feb 2026, 12:00 AM	Pending	View Edit Delete
2	Redo Chapter 2 (LR Map)	Redo Chapter 2	16 Feb 2026, 02:03 AM	18 Feb 2026, 02:03 AM	Pending	View Edit Delete

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[Privacy](#) [Terms](#) [Support](#)

Mark Project as Completed


1. Click the “✓ Mark Project as Completed” button to officially change the project status once all requirements are met. The project status will change from “On-going” to “Completed.”
2. Once marked as completed, the project will appear under the Completed Projects list in the dashboard and project list.



FYP Supervision | Project List

localhost:8080/FYPTracker/ProjectListServlet

Incognito

 **SITI NURLIYANA IZZATI BINTI MUHAMAD AZHAN**
2021229638

Logout

Dashboard / Project List

Project List

Total Students: 2

Total Projects: 2

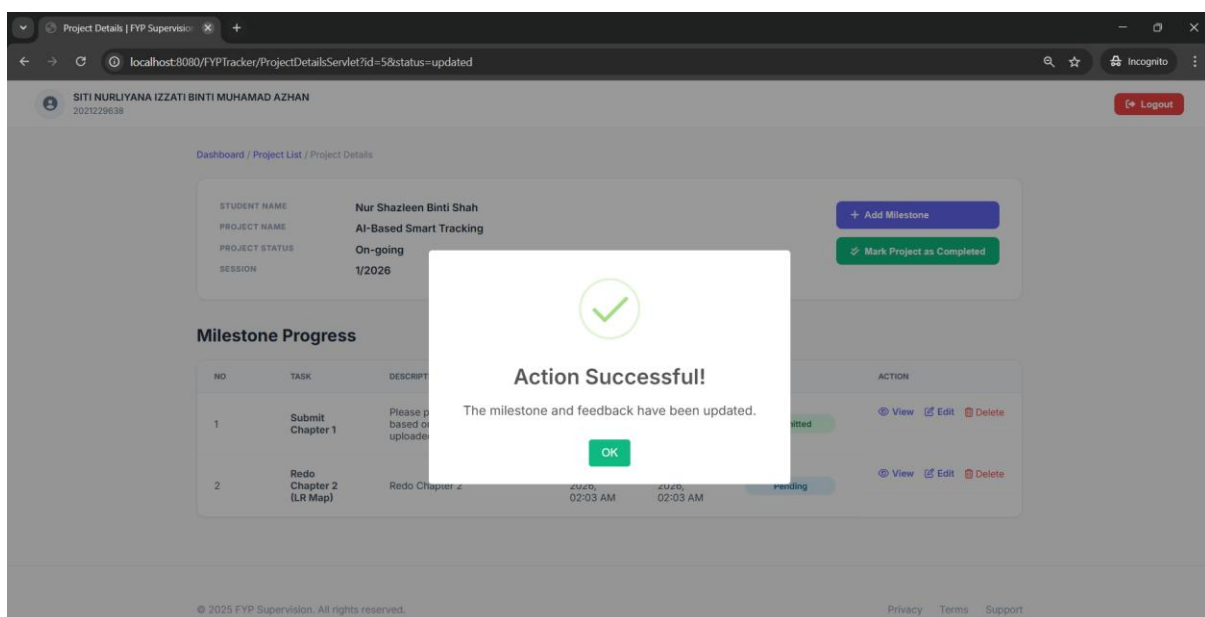
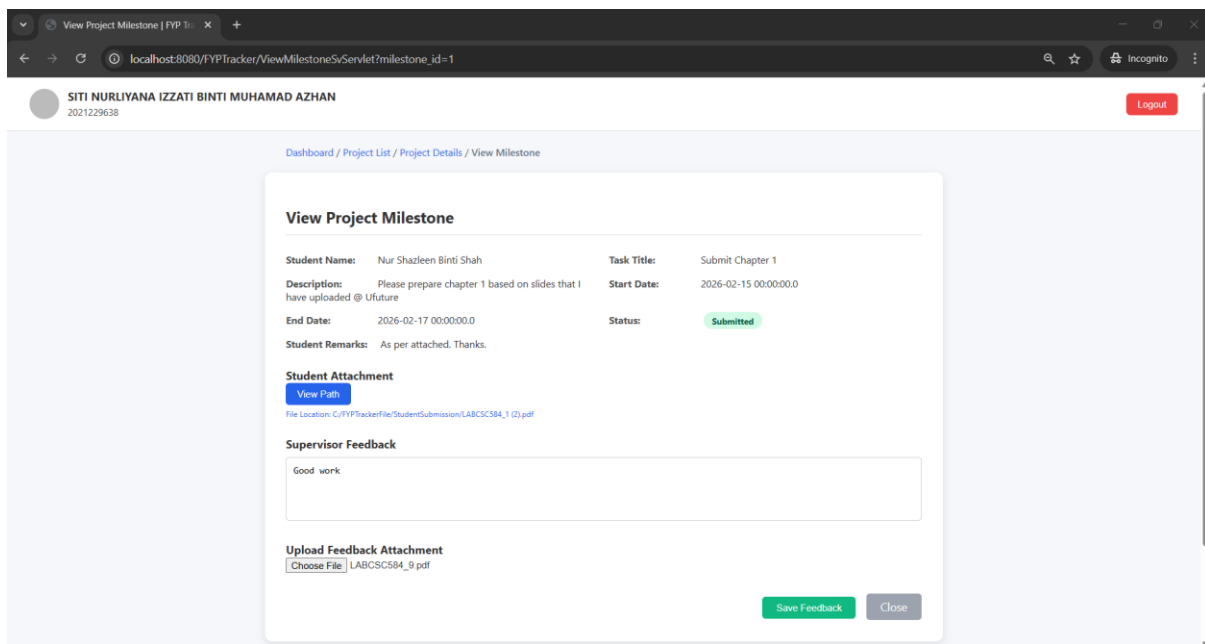
NO	STUDENT NAME	PROJECT TITLE	PROGRAM	SESSION	STATUS	ACTION
1	Nur Azlina Binti Abu	Eco System Shop	CDCS240	2025/2026	Completed	View Project
2	Nur Shazleen Binti Shah	AI-Based Smart Tracking	CS240	1/2026	Completed	View Project

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[Privacy](#) [Terms](#) [Support](#)

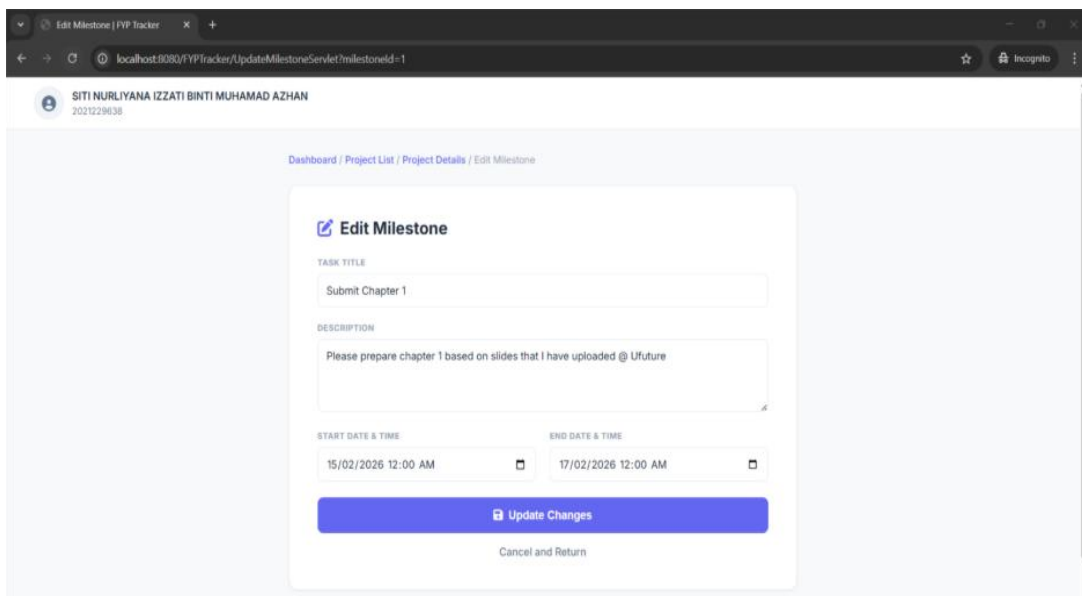
View submission and add feedback

1. Click “View” button to view the files path and progress updates uploaded by the student. From the same page, supervisors can add feedback and upload file (if any) for students.
2. To add feedback for the selected milestone, enter feedback under the textbox and upload a file (if any). Click “Save Feedback” to save and send to students or “Close” to go back to project details page.



Edit milestone

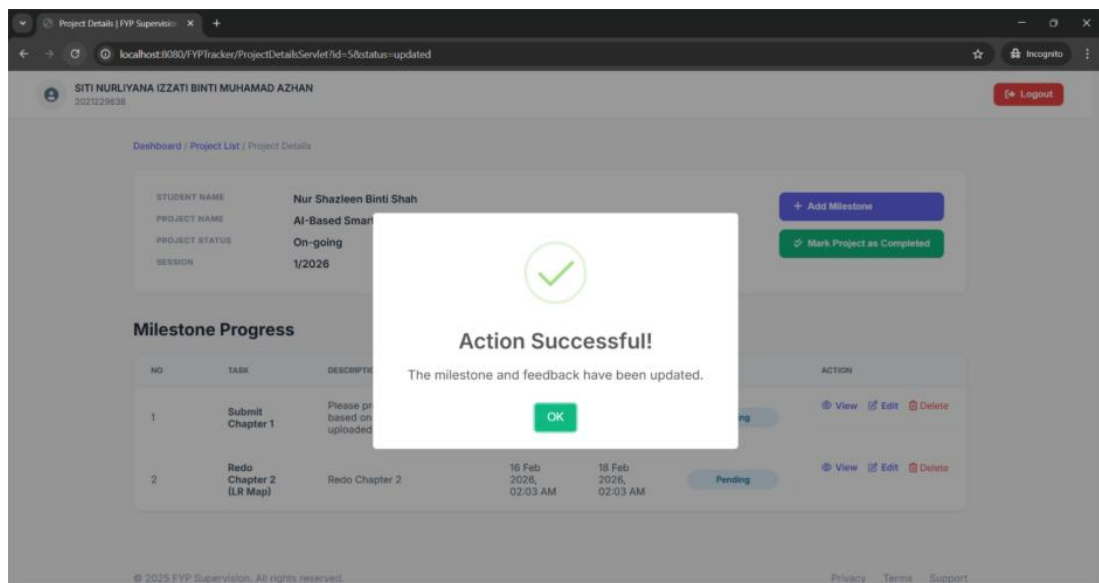
1. Click “Edit” button to edit the task name or change the start and end dates if the project schedule changes. The Edit Milestone page will open, showing the current details:
 - Task Name – the title of the milestone.
 - Description – details about the task.
 - Start Date and Time – when the milestone begins.
 - End Date and Time – when the milestone should be finished.
2. Make the necessary changes to the fields.
3. Click Update Changes to save the new details.
4. If you do not want to continue, click Cancel and Return to go back without saving.



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/YPTracker/UpdateMilestoneServlet?milestoneId=1'. The page title is 'Edit Milestone | PVP Tracker'. The user profile at the top left shows 'SITI NURLIYANA IZZATI BINTI MUHAMAD AZHAN' with the ID '2021229638'. The breadcrumb trail is 'Dashboard / Project List / Project Details / Edit Milestone'. The main form is titled 'Edit Milestone' and contains the following fields:

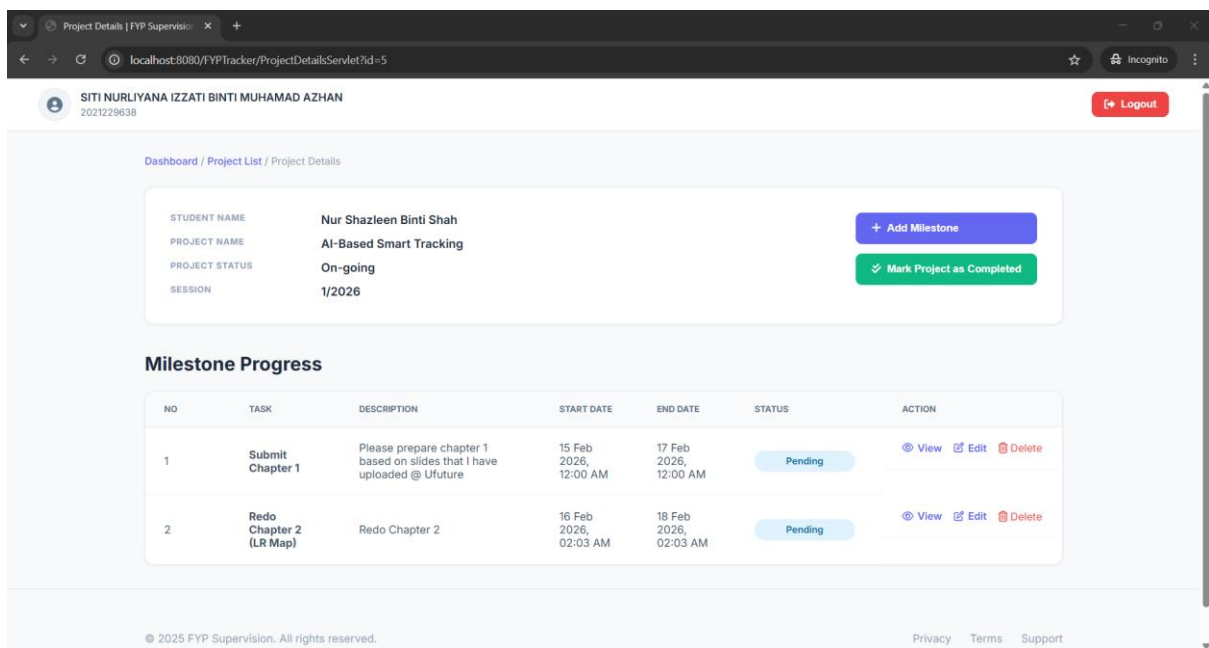
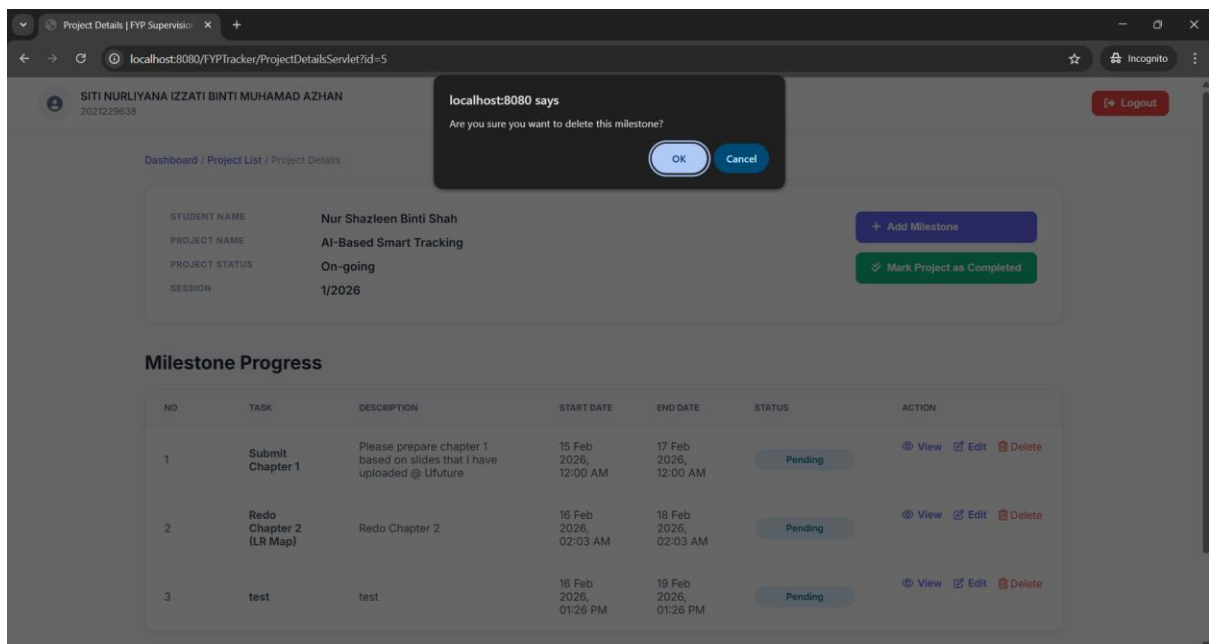
- TASK TITLE:** A text input field containing 'Submit Chapter 1'.
- DESCRIPTION:** A text area containing 'Please prepare chapter 1 based on slides that I have uploaded @ Ufuture'.
- START DATE & TIME:** A date and time picker showing '15/02/2026 12:00 AM'.
- END DATE & TIME:** A date and time picker showing '17/02/2026 12:00 AM'.

At the bottom of the form, there are two buttons: a blue 'Update Changes' button and a 'Cancel and Return' link.



Delete milestone

1. Click “Delete” button in the action column from Project Details page to delete the existing milestone.
2. A confirmation box will appear asking: “Are you sure you want to delete this milestone?”
3. Click OK to confirm and remove the milestone.
4. If you do not want to continue, click Cancel to keep the milestone.



Student Module

Student registration

To access the system, student must first create an account through the registration page.

1. Select Role: Users must select "Student" from the Role dropdown menu.
2. Fill in Details: Complete the registration form by entering the following information:
 - Full Name: Student full name.
 - ID: Student ID.
 - Email: Student email address.
 - Password and password confirmation: A secure password with a minimum of 8 characters
 - Program: Course program such as CS240
 - Session: Semester session such as 2025/2025
3. Submit: Click the "Register" button. Upon a successful registration, the system will automatically redirect you to the Login Page.
4. If an invalid ID is used, the system displays "Access Denied: Your ID is not in our system". The account will not be created, and you must provide a valid ID to proceed

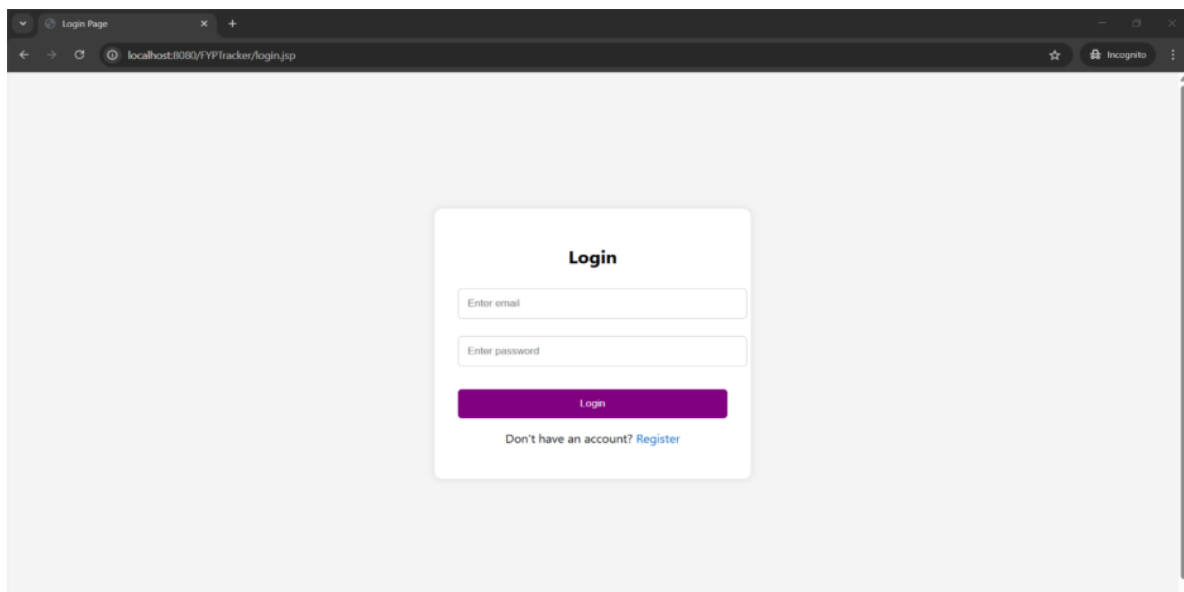
The screenshot shows a web browser window with the address bar displaying 'localhost:8080/FYPTracker/register.jsp'. The page title is 'FYP Supervision'. The main content area features a registration form titled 'Create your account' with the subtitle 'Register to track milestones and supervisor feedback.' The form contains the following fields and values:

Field	Value
Role	Student
Full Name	FULL NAME
ID	Student / Supervisor ID
Email	ID@ulm.edu.my
Password	Min 8 characters
Confirm Password	Confirm password
Program	CS240 / CDCS240
Session	20254

At the bottom of the form are two buttons: 'Register' and 'Login'.

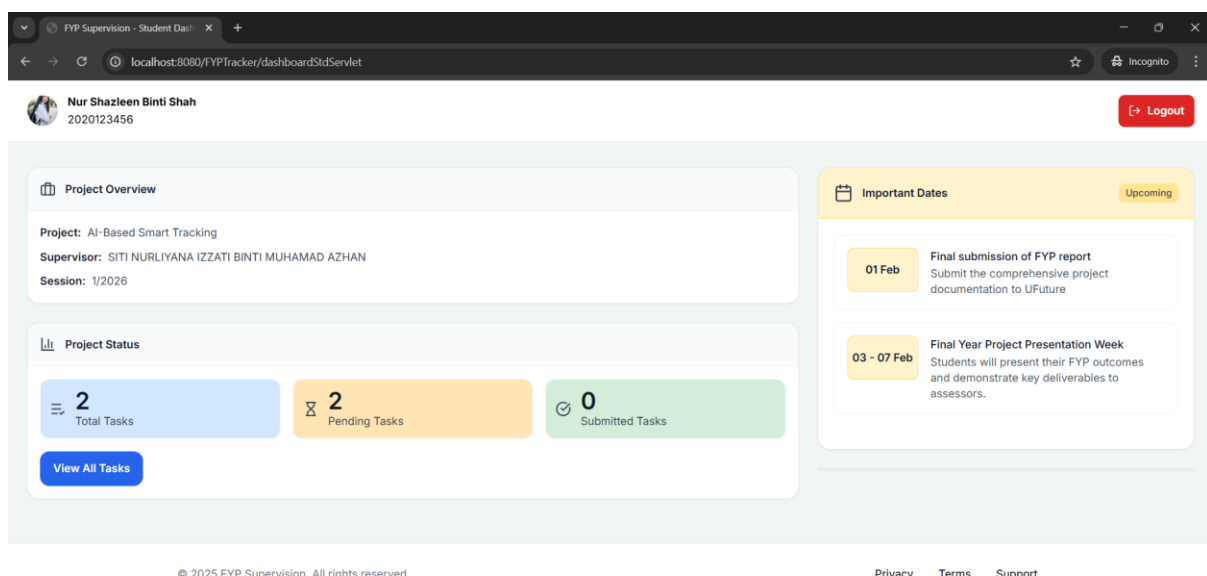
Student Login

1. Navigate to the FYP Supervision login page.
2. To log in as student, enter your registered student email address and password.
3. Click the “Login” button.
4. If the email and password are correct, you will be redirected to the Supervisor Dashboard.
6. If the details are incorrect, the system will show an error message, and you will need to try again.



Student Dashboard

1. After login, the system will open to the Dashboard Student.
2. At the top, you will see a welcome message with student name, student ID, project title, supervisor, and session.
3. In the Important Dates section, you can view upcoming deadlines such as report submission and presentation week.
4. In the Project Status section provides summary of:
 - Total tasks
 - Pending tasks
 - Completed tasks
5. Click “View All Tasks” to see full details of the task assigned by supervisor. This will redirect page Student Milestone Progress.
6. To log out, click Log Out button at the top-right corner of the page.



Student Milestones

1. This page displays all milestones details of task assigned by supervisors such as

- Task
- Description
- Start Date
- End Date
- Status (Pending, Submitted)

2. For each milestone, you can:

- Upload submission
- View supervisor feedback

The screenshot shows a web browser window with the URL `localhost:8080/FYPTracker/MilestoneStdServlet`. The user is logged in as **Nur Shazleen Binti Shah** (ID: 2020123456). The page title is **FYP Supervision - Student Dashboard**. The main content area is titled **Milestone Progress** and includes a summary: **Pending: 2** and **Submitted: 0**. Below this is a table with the following data:

No	Task	Description	Start Date	End Date	Status	Upload	View Feedback
1	Submit Chapter 1	Please prepare chapter 1 based on slides that I have uploaded @ Ufuture	2026-02-15 00:00:00.0	2026-02-17 00:00:00.0	Pending	Upload	View Feedback
2	Redo Chapter 2 (LR Map)	Redo Chapter 2	2026-02-16 02:03:00.0	2026-02-18 02:03:00.0	Pending	Upload	View Feedback

At the bottom of the page, there is a copyright notice: **© 2025 FYP Supervision. All rights reserved.** and links for **Privacy**, **Terms**, and **Support**.

Upload submission

1. From the Student milestones, find the milestones and click “Upload” button
2. On the Upload your file page, you can:
 - Drag and drop a file into the upload area, or
 - Click Browse files to select a file from your device.
3. In the Remarks box, students can add notes or context about the file (optional).
4. Click Submit to upload the file.
5. If you change your mind, click Cancel to stop the upload.
6. After you successfully submitted the task, the status will change from “Pending” to “Submitted”.

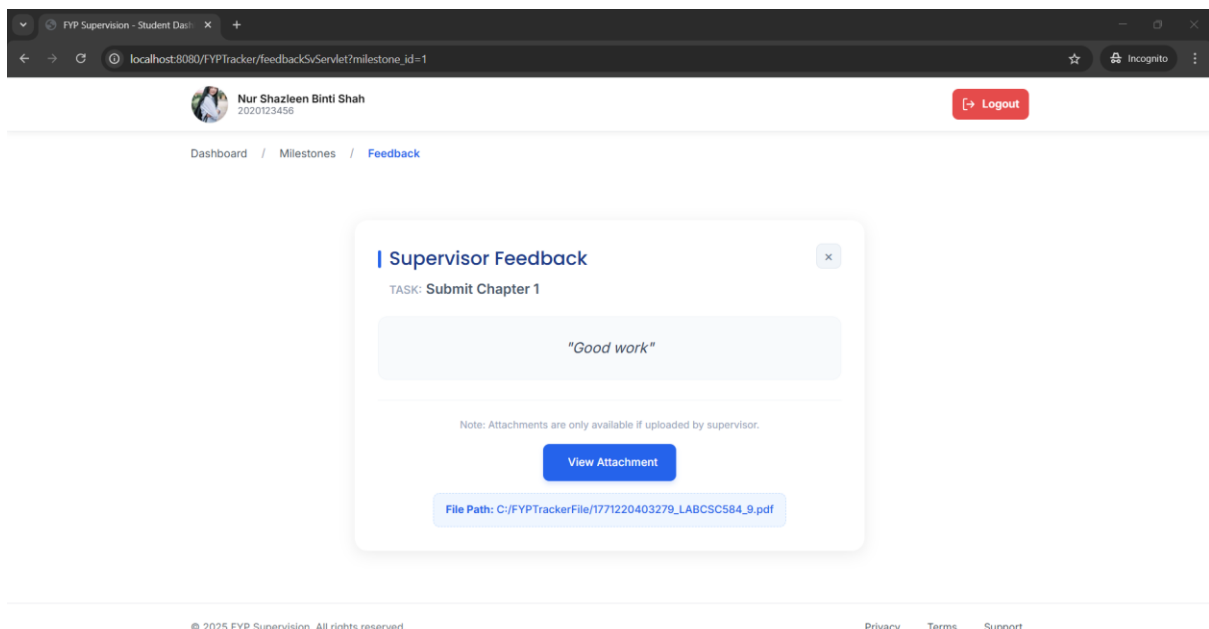
The screenshot shows the 'Upload your file' interface. At the top, there's a header with the user's name 'Nur Shazleen Binti Shah' and ID '2020123456', and a 'Logout' button. Below the header, the breadcrumb trail is 'Dashboard / Milestones / Upload'. The main content area is titled 'Upload your file' and includes instructions: 'Drag and drop a file into the area below or click the browse button to select from your device.' There is a dashed box for file upload with an upward arrow icon and the text 'Drag & drop your file here' or 'Browse files'. Below this, it shows 'Selected file: LABSC584_1 (2).pdf'. A 'Remarks' section has a text area with the input 'As per attached. Thanks.' At the bottom, there are 'Cancel' and 'Submit' buttons.

The screenshot shows the 'Milestone Progress' table. The header includes the user's name and ID, and a 'Logout' button. The table has columns: No, Task, Description, Start Date, End Date, Status, Upload, and View Feedback. There are two rows of data. The first row shows a 'Submitted' status with a green checkmark icon. The second row shows a 'Pending' status with a yellow clock icon. At the bottom, there is a footer with copyright information and links for Privacy, Terms, and Support.

No	Task	Description	Start Date	End Date	Status	Upload	View Feedback
1	Submit Chapter 1	Please prepare chapter 1 based on slides that I have uploaded @ Ufuture	2026-02-15 00:00:00.0	2026-02-17 00:00:00.0	Submitted	Upload	View Feedback
2	Redo Chapter 2 (LR Map)	Redo Chapter 2	2026-02-16 02:03:00.0	2026-02-18 02:03:00.0	Pending	Upload	View Feedback

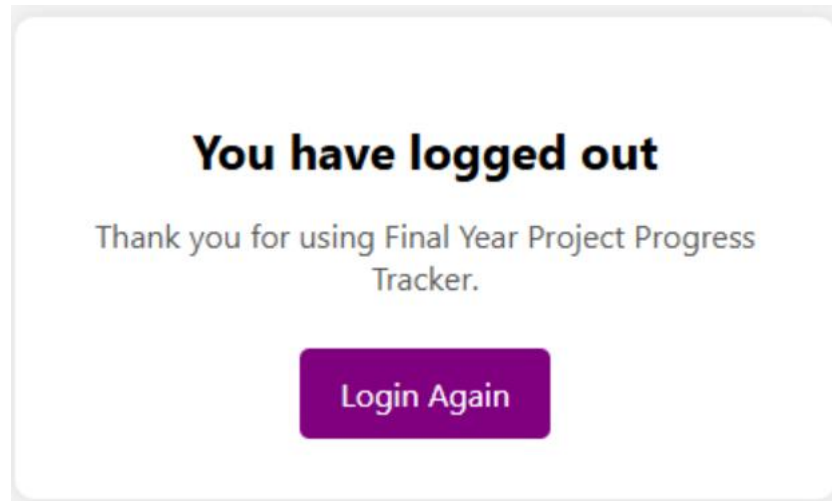
View supervisor feedback

1. From the Student milestones, find the milestones and click “View feedback” button
2. The page will show feedback from your supervisor for each task.
3. If feedback is available, you will see:
 - The task name.
 - The supervisor’s comments.
 - Attachments (if uploaded by the supervisor).
4. If no feedback is provided yet, the page will show a message saying there is no feedback.
5. Students should check feedback regularly to make improvements.



Log out

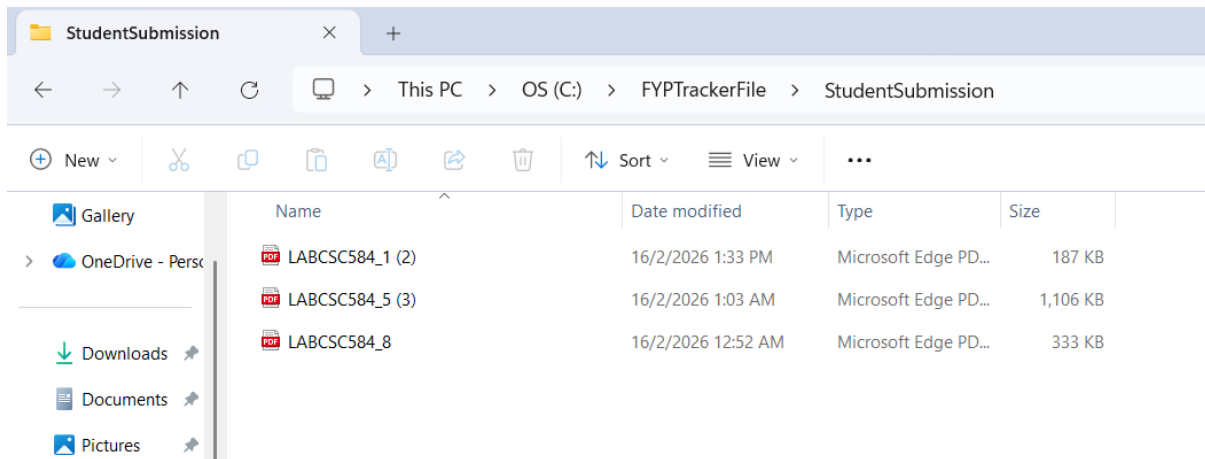
1. Click the Logout button at the top of the page.
2. The system will display pop-up “Thank you for using Final Year Project Progress Tracker”
3. If you want to log in again, click the Login Again button.



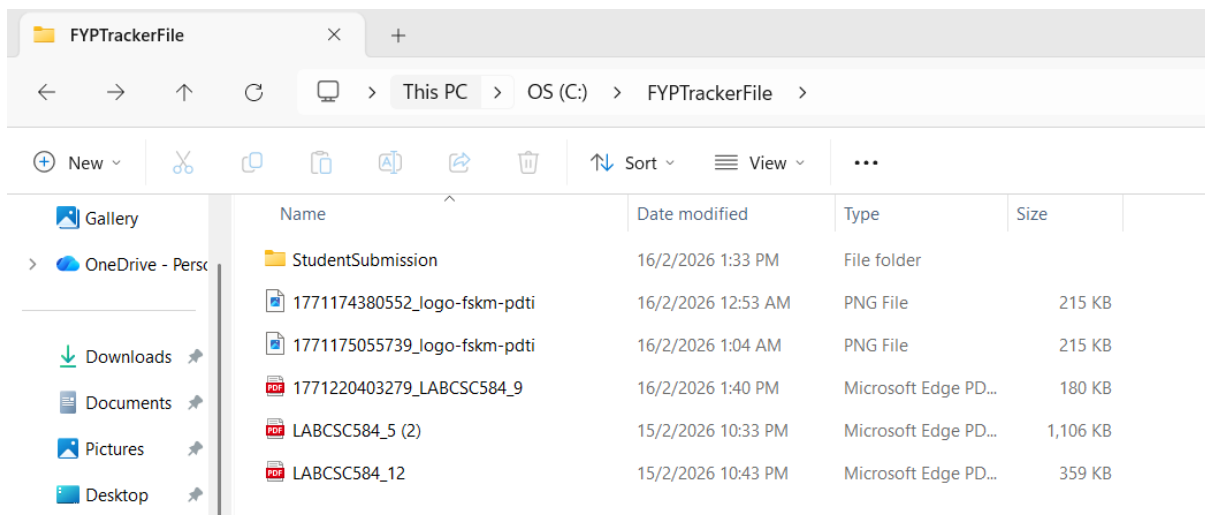
View Folder Attachment

To view folder attachment,

1. For Supervisor to view submission attachment, users must go to C > FYPTTrackerFile > StudentSubmission.



2. For Student to view attachment from Supervisor's feedback, users must go to C > FYPTTrackerFile.



4. Conclusion

The Final Year Project (FYP) system makes it easier for students and supervisors to manage projects. It gives clear steps for logging in, viewing dashboards, checking project lists, adding milestones, uploading files, giving feedback, and logging out. Each part of the system has a purpose: students can track their work and supervisors can monitor progress.

The system uses simple web tools like HTML, CSS, JSP, and databases to make it easy to use. Dashboards give quick overviews, project lists show all projects, milestones break tasks into smaller parts, and feedback helps students improve. File upload and logout functions make the system complete and safe.

In conclusion, this system saves time, reduces confusion, and improves communication between students and supervisors. It helps projects stay organized and ensures that deadlines are met. The FYP system is a useful tool that supports the success of Final Year Projects in a clear and effective way.