



## **Department of Computer Science and Engineering (CSE)**

### **Southeast University**

**Semester: Summer 2025, B.Sc. in CSE (Regular)**

**Project Report**

**Course Title: Information System Design And Software Engineering Lab**

**Course Code: CSE 346.3 Section: 03**

### **Submitted To**

**Shimul Dey Katha**

Lecturer, Department of CSE, Southeast University

# **Project Report: SEU CampusMate**

### **Student Details**

Sr	Name	ID
1	Jubair Moaj	2022100000010
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3	Ferdous Hasan Rahid	2023100000546

# Introduction

SEU CampusMate is a mobile and web app made specially for Southeast University students. It's designed to make student life easier by putting everything in one place like course help, study tools, class routine, teacher reviews, and campus info.

This app will help students calculate tuition fees, track CGPA and attendance, see their class schedule, get updates on events, and find information about clubs and teachers. It will also include helpful tools like a question bank, a cover page maker, and a routine generator.

We are using Kotlin Multiplatform to build the mobile app for both Android and iOS. The web version will be made with Next.js and Tailwind CSS so that students can also use it easily from their PC and mobile browsers.

University students often struggle with scattered information, disconnected systems, and manual calculations related to their academic journey. For instance, monitoring attendance, calculating GPA, or generating academic documents often involves multiple tools or offline procedures. As a result, students lose valuable time and may make critical mistakes.

SEU CampusMate addresses these issues by consolidating vital academic and campus functionalities into a unified platform. Students will be able to:

- Track their academic progress in real-time.
- Generate essential academic documents.
- Access a dynamic routine and to-do system.
- View updated faculty and department contact info.
- Stay connected with university notices and events.
- Browse clubs and engagement opportunities.
- Access academic resources like question banks and slides.

This project is also a technical exploration of Kotlin Multiplatform and advanced UI/UX patterns for education-focused apps.

## Features

### User Features (For Students)

1. **Forum:** Participate in discussions on academic and campus-related topics.
2. **Faculty Review:** Submit and browse feedback on course instructors.
3. **Question Bank:** Access previous questions and categorize by subject.
4. **Assessment Tracking:** Track CT, assignments, and exam deadlines.
5. **Daily Routine (with Widget):** View and manage class schedules.
6. **To-Do List (with Widget):** Create and manage personal and academic task lists.
7. **Tuition Fees Calculator:** Calculate fees after applying credit hours and waivers.

8. **CGPA Calculator:** Calculate semester GPA and cumulative GPA.
9. **Routine Generator:** Generate customized class routines.
10. **Attendance Marks Calculator:** Track attendance and assess marks' impact.
11. **Cover Page Generator:** Generate formatted assignment cover pages.
12. **Task Manager:** Manage and prioritize academic tasks.
13. **Campus Info:** Explore information about university facilities and services.
14. **Faculty Info:** View academic staff details and departmental info.
15. **Clubs Info:** Browse SEU clubs and explore membership opportunities.
16. **Important Contacts:** Quick access to university helplines and departments.
17. **Academic Calendar:** Check semester dates, holidays, and exam periods.
18. **FAQ Section:** Find answers to frequently asked university questions.
19. **Site and Portal Links:** Shortcut to LMS, library, SEU portal, etc.
20. **Blood Donors Info:** Volunteer or request blood donation among peers.
21. **UniChat:** Global chatting function for all students.

## Admin Features

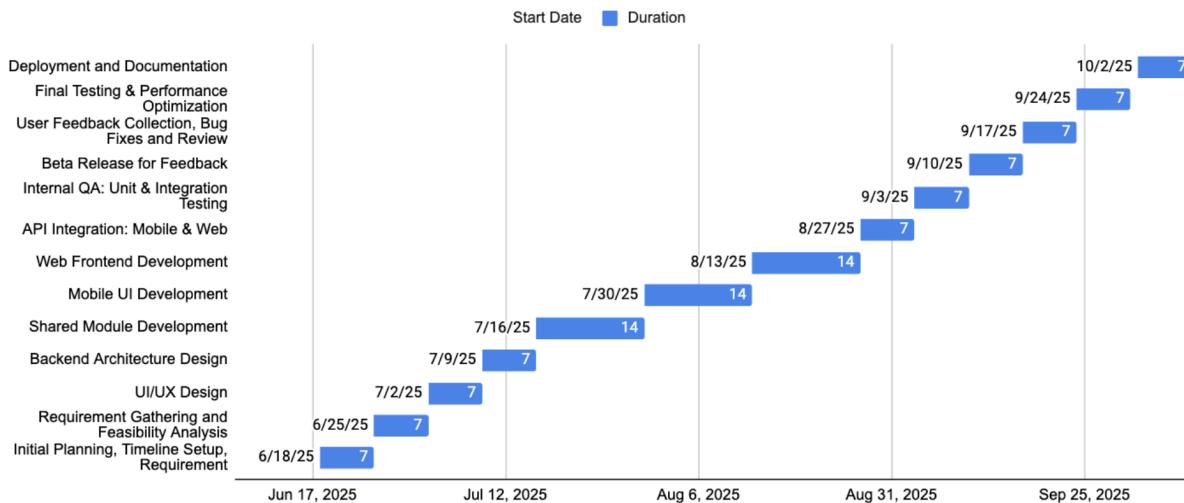
1. **Event & Notice Management:** Publish university-wide announcements and events.
2. **Question Bank Upload:** Add and categorize past exam papers.
3. **Assessment Tracker:** Admin panel to update academic tracking modules.
4. **Faculty Data Editor:** Update and verify faculty information.
5. **Club Info Manager:** Add/edit club activities and membership details.
6. **User Moderation (Forum):** Moderate posts, flag inappropriate content.
7. **Academic Calendar Editor:** Update academic year timelines.
8. **Blood Donor List Moderator:** Verify and update donor data.

# Planning

## Detailed Working Plan

Sr	Task	Required Week	Responsible Person	Phase
1	Initial Planning, Timeline Setup, Requirement Listing Review	1	All Members	Planning
2	Requirement Gathering and Feasibility Analysis	1	All Members	Analysis
3	UI/UX Design - Mobile & Web Wireframes and Final Mockup	1	All Members	Design
4	Admin Panel Development, API Architecture, DB Schema	1	All Members	Design/Development
5	Shared Module Development (Kotlin Multiplatform Core Logic)	2	All Members	Development
6	Mobile UI Development (KMP Compose for Android & iOS)	2	All Members	Development
7	Web Frontend Development (Next.js/Node /Tailwind CSS)	2	All Members	Development
8	API Integration: Mobile & Web	1	All Members	Integration
9	Internal QA: Unit & Integration Testing	1	All Members	Testing
10	Beta Release (Web + Mobile) for Feedback	1	All Members	Beta Testing
11	User Feedback Collection, Bug Fixes, and Review	1	All Members	Feedback, Evaluation & Revision
12	Final Testing & Performance Optimization	1	All Members	Final Testing
13	Deployment and Documentation	1	All Members	Documentation

# Gantt Chart of Project Development Timing



## Budget Estimate

SL	Criteria	Cost Specifications	New System (BDT)
1	App	Firebase	1,500
		Google Drive API	2,000
2	Website Cost	Hosting	2,500
		GitHub Copilot	2,500
3	Design	UX Designer	20,000

4	Developer	Full-stack development	50,000
5	Tester	QA and testing	8,000
6	Manager	Project management	15,000
7	Maintenance	System updates / support	15,000
8	Meeting	Communication/logistics	5,000

**Total : 121,500 (BDT)**

# Analysis

## System Requirements

### Hardware Requirements

Server (minimum):

- 16 GB RAM
- 1 TB SSD storage
- 8 Core CPU
- 8 TB Bandwidth

Client Devices:

- Smartphones - tablets (Android version 7.0 or higher ), or computers with internet access
- Screen resolution: Minimum 1080x720

### Software Requirements

- Backend: Node.js / PHP

- Frontend: Next Js (Web), KMP (App)
- Database: MySQL (web), SQLite (App)
- Web Server: LiteSpeed
- Operating System: CloudLinux
- Browser Support: Chrome, Firefox, Safari, Edge (latest versions)
- Mobile Support: Android & iOS (hybrid app using Kotlin Multiplatform)

## User Requirements

### For Students

- Log in securely and access personal dashboard
- View and track attendance records
- Use tools like CGPA calculator, tuition fee calculator, cover page generator
- Manage class schedules, task lists, and deadlines
- Participate in forum discussions
- Access question banks, faculty info, club info, campus info
- Discuss on Global chat system
- Receive notifications (Events, task deadlines)

### For Admin Staff

- Create/edit/delete user accounts (students)
- Manage academic calendar, faculty data, club info, donor info
- Moderate forum and donor lists

## Functional Requirements

### Authentication & Access Control

- FR1: The system shall allow users (students, admins) to log in with secure credentials.
- FR2: The system shall provide role-based dashboards (student, admin).

### Student Academic Tools

- FR3: The system shall allow students to calculate GPA/CGPA.
- FR4: The system shall allow students to calculate tuition fees (with credit hours & waivers).
- FR5: The system shall generate class routines with widgets on mobile.
- FR6: The system shall allow students to create/manage to-do lists .
- FR7: The system shall allow students to generate formatted assignment cover pages .
- FR8: The system shall allow students to calculate their attendance marks.

## **Communication & Information**

- FR9: The system shall provide a forum or student discussions.
- FR10: The system shall allow admins to post notices/events .
- FR11: The system shall provide faculty, clubs, campus info .
- FR12: The system shall maintain a verified blood donor list .
- FR13: The system shall provide quick links to UMS, library, SEU portal, etc.
- FR14: The system shall provide students university notice.

## **Admin Functions**

- FR15: The system shall provide admin to manage the academic calendar .
- FR16: The system shall provide admin to upload and categorize past exam papers .
- FR17: The system shall provide admin moderation, forum, chat and donor list .
- FR18: The system shall provide admin to send notification to the user.

## **Non-Functional Requirements**

- Performance: Pages must load within 3 seconds .
- Scalability: Must support 10,000+ concurrent users .
- Security: Passwords stored with bcrypt/argon2 encryption .
- Role-based access control to prevent unauthorized access.
- Usability: Mobile responsive UI for web and app.
- Widgets for quick access (To-do list, routine).
- Reliability: System uptime of 99.9% per year .
- Maintainability: Code must be modular, well-documented , and version-controlled .
- Backup: Daily automatic database backups.
- Compatibility: Cross-browser and mobile support (Android/iOS).

# SDLC Model Selection

## Criteria and Priority Weights

**Scale:** 5 = Most important, 1 = Least important

Criteria	Weight	Reason
Requirement Flexibility	5	Frequent updates expected due to evolving academic needs, user feedback, and university policy changes.
Customer Involvement	4	Regular student/admin feedback is essential for usability and adoption.
Project Size	4	Medium-to-large scale with multiple modules and cross-platform development.
Risk Handling	4	Risks include integration failures, data loss, and security breaches.
Testing Focus	5	Cross-platform QA is essential for consistent performance and quality.
Security Requirement	5	Sensitive student data demands strong authentication and encryption.
Cost of Change	4	The system will evolve; updates and bug fixes must be cost-effective.
Delivery Speed	3	Timely semester-based release cycles are needed without sacrificing quality.
User Experience (UX) Focus	4	A clean, intuitive design is key to student engagement and retention.
Maintainability	4	System must support frequent updates to academic calendars, features, and bug fixes.
Cross-Platform Integration Complexity	3	Synchronizing mobile and web features requires structured, iterative testing and development.

## Rate Each Model per Criterion

Scale: 1 (Poor) to 5 (Excellent)

Criteria	Weight	Waterfall	V-Model	Iterative	Incremental	Spiral	Agile
Requirement Flexibility	5	1	1	4	4	5	5
Customer Involvement	4	1	1	3	3	4	5
Project Size	4	3	3	4	4	5	4
Risk Handling	4	1	1	3	3	5	4
Testing Focus	5	3	5	4	4	5	5
Security Requirement	5	3	5	3	4	5	4
Cost of Change	4	1	1	3	3	5	5
Delivery Speed	3	2	2	3	4	3	5
UX Focus	4	3	3	4	4	5	5
Cross-Platform Complexity	3	2	2	4	4	5	5

## Calculate Weighted Scores

**Formula:** Weighted Score = Weight × Rating

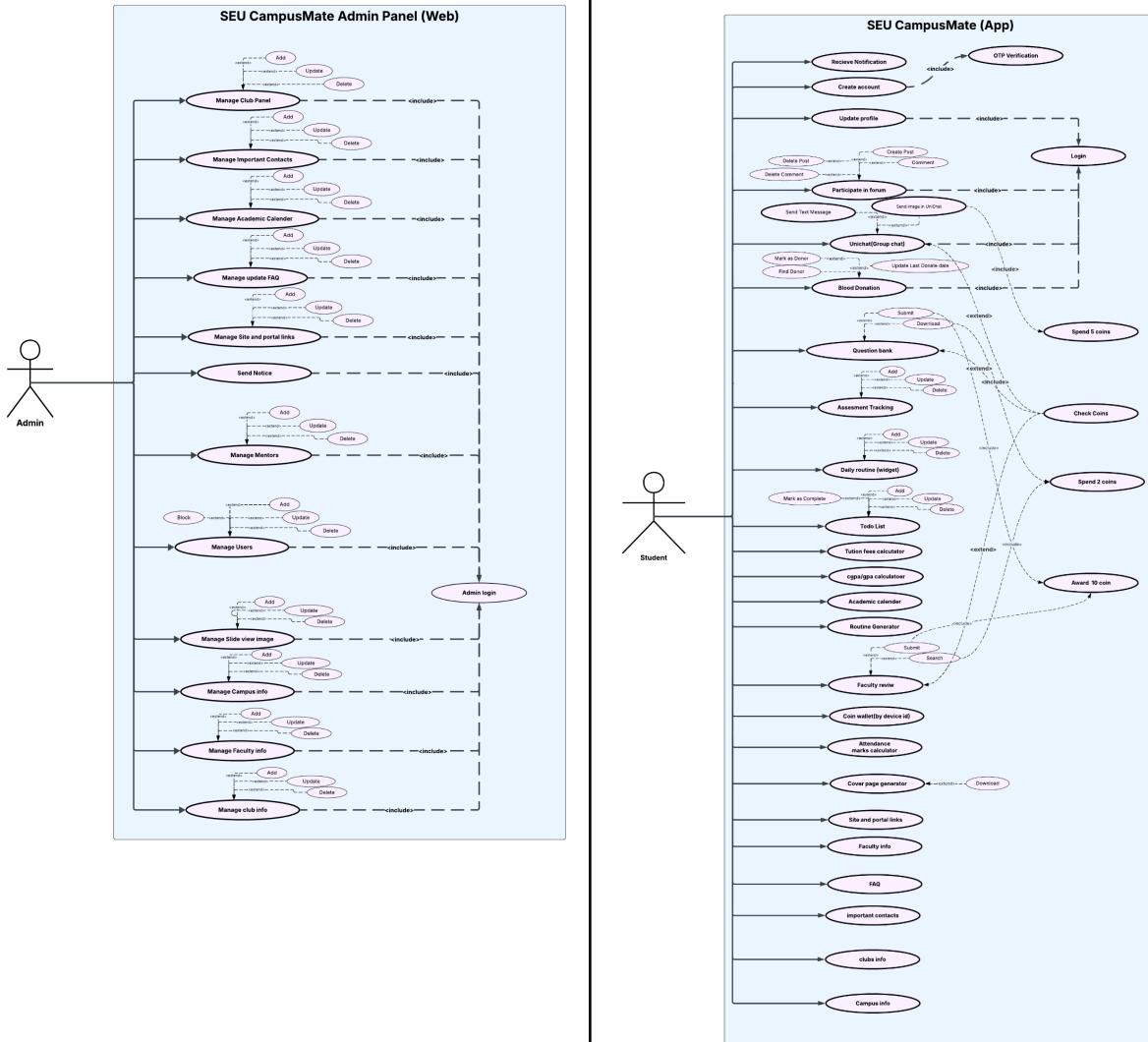
Criteria	Weight	Waterfall	V-Model	Iterative	Incremental	Spiral	Agile
Requirement Flexibility	5	5	5	20	20	25	25
Customer Involvement	4	4	4	12	12	16	20
Project Size	4	12	12	16	16	20	16
Risk Handling	4	4	4	12	12	20	16
Testing Focus	5	15	25	20	20	25	25
Security Requirement	5	15	25	15	20	25	20
Cost of Change	4	4	4	12	12	20	20
Delivery Speed	3	6	6	9	12	9	15
UX Focus	4	12	12	16	16	20	20
Cross-Platform Complexity	3	6	6	12	12	15	15
<b>Total Score</b>	-	83	103	144	152	195	192

## Justification

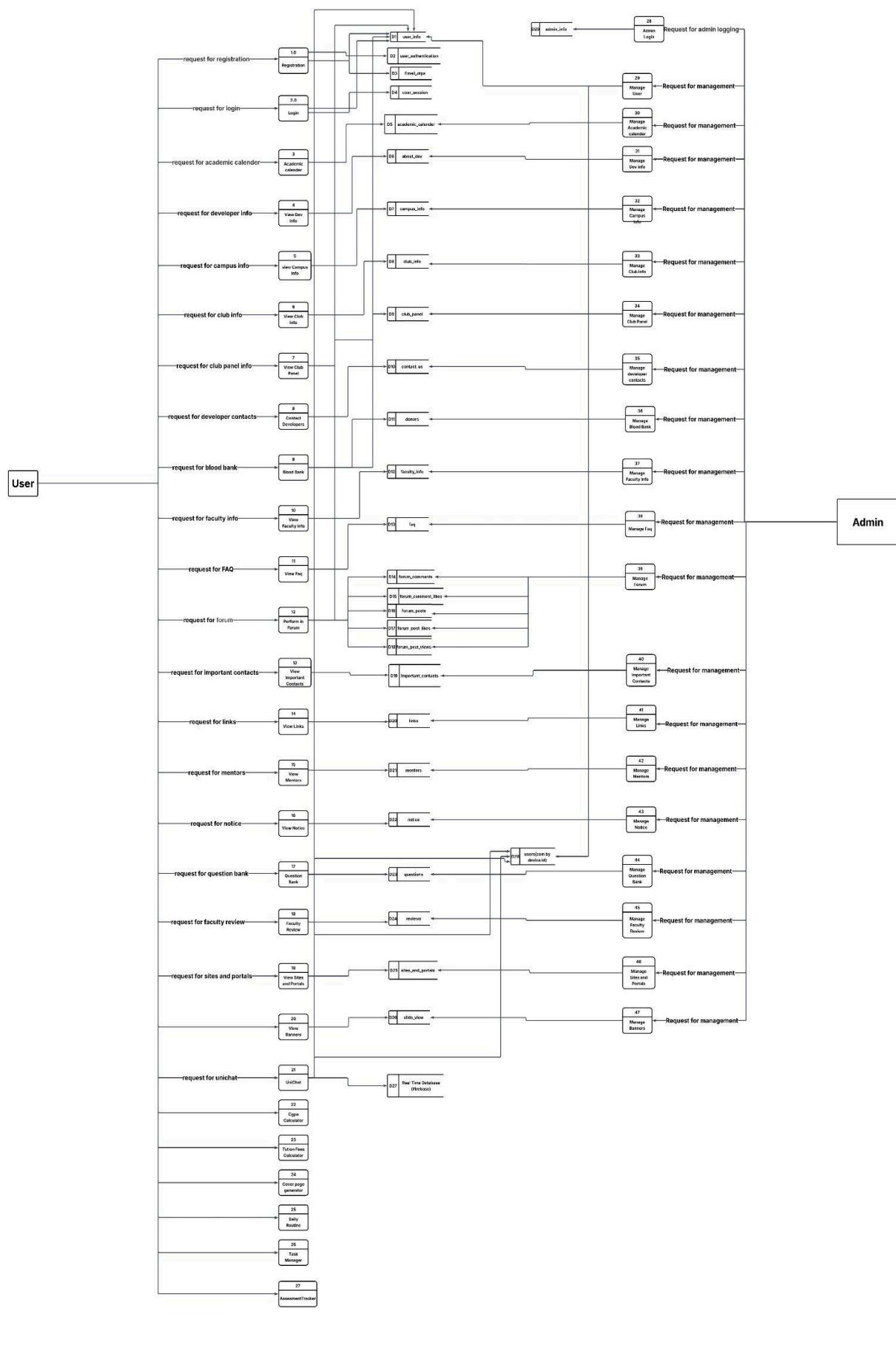
The Spiral Model got the highest score (195), which means it's the best choice for developing SEU CampusMate. It works well because it allows us to improve the system step by step, manage risks early, test carefully, and adjust easily when requirements change. These strengths fit perfectly with our project's technical complexity and the fact that it will need regular updates.

# Design

## Use Case Diagram ([Click here](#))



# Data flow Diagram ([Click here](#))







# Implementation

15:00 328 KB/s 4G 4G WiFi 50%  Good Afternoon  
MD. Ferdous Hasan Rahid 

### Study Resources Hub

Access comprehensive course materials, previous exam papers, and curated study guides to excel in your academic journey.

Quick Actions  Swipe

 Class Routine  Exam Routine  CGPA

### Academic Excellence

 CGPA Calculator  Question Bank

 Forum  UniChat  Routine 

**Home**  Forum  UniChat  Routine

14:58 5.04 KB/s 4G 4G WiFi 50%  MD. Ferdous Hasan Rahid @frahid 

← Menu

### Account

 My Profile View and edit your profile 

 Sign Out Logout from your account 

### Support & Info

 About Developers Meet the development team 

### Legal & Privacy

 Privacy Policy Read our privacy policy 

 Delete Account Request Request account deletion 

**Home Page** **Menu**

15:01 337 KB/s 4G 4G WiFi 54%

← Daily Routine

Manage Routine

Add Widget to Home Screen

Today's Classes

No classes scheduled for today.

All Classes Filter: All ▾

**CSE346.3**  
Isd Lab  
⌚ 08:00 - 10:00  
📅 SUN      ⚗ Room 608      🚶 SDK

**CSE384.2**  
Database Theory  
⌚ 15:00 - 16:20  
📅 SUN, TUE      ⚗ Room 215      🚶 RIK

Class routine

15:12 438 KB/s 4G 4G WiFi 57%

← Create Routine

12H 24H

Course Code  
CSE343.3

Course Title  
Computer Architecture

Class Day(s)  
SAT SUN MON TUE WED  
THU FRI

Start Time  
03:00 PM

End Time  
04:20 PM

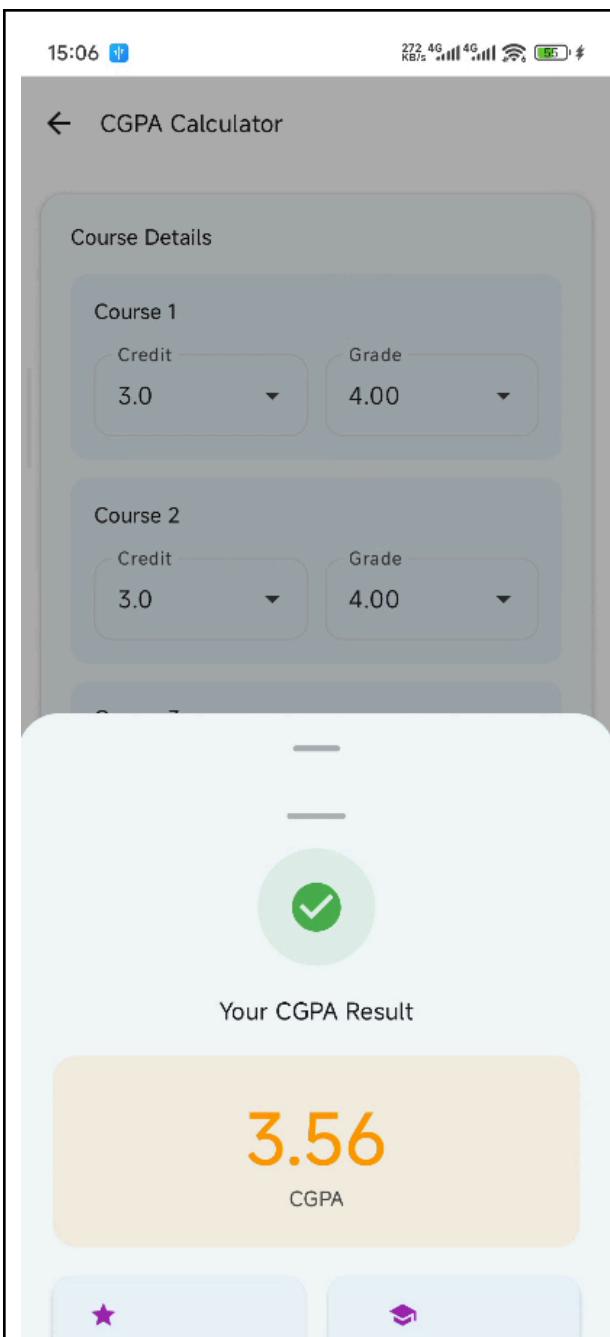
Room No  
319

Faculty Initial  
GZI

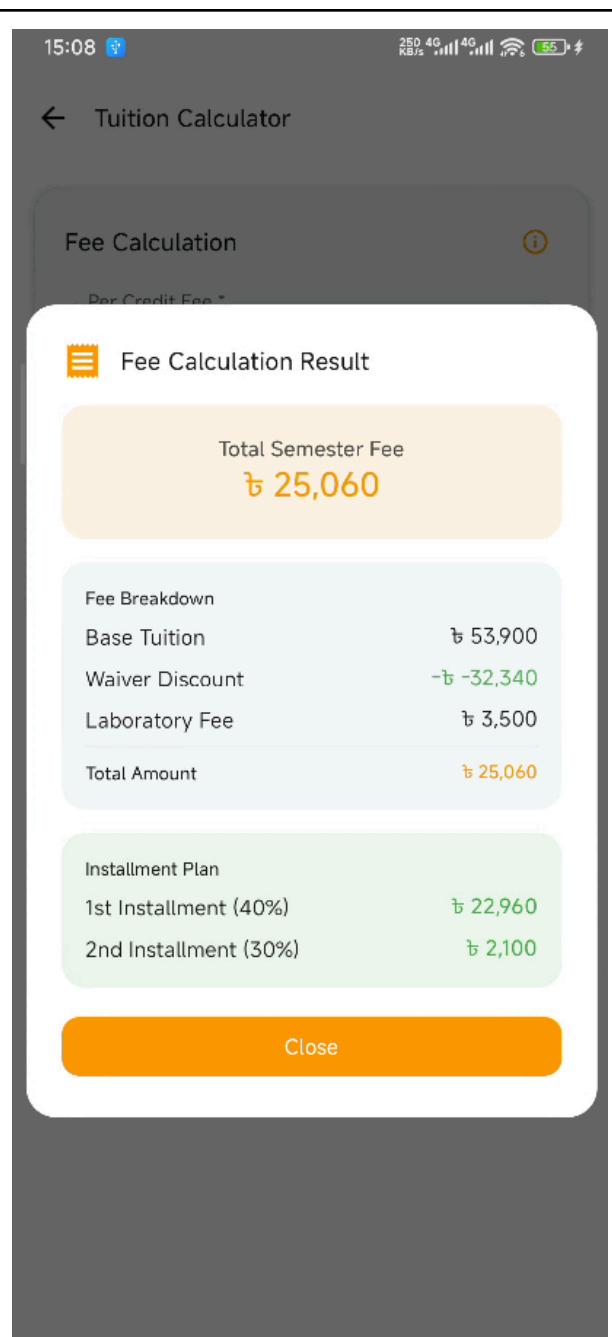
Add Course

Added Courses (2)

Create Routine



CGPA Calculator



Tuition Fees Calculator

15:09 4G 989 KB/s

Question Bank ★ 34

**Submit Questions** +10 Coins

**View Questions** -2 Coins

Course Code (e.g. CSE181)

Faculty Initial (e.g. SDK)

Question Type  
Mid

Select Question Image

Submit Question (+10 coins)

Submit in Question Bank

15:09 4G 109 KB/s

Question Bank ★ 34

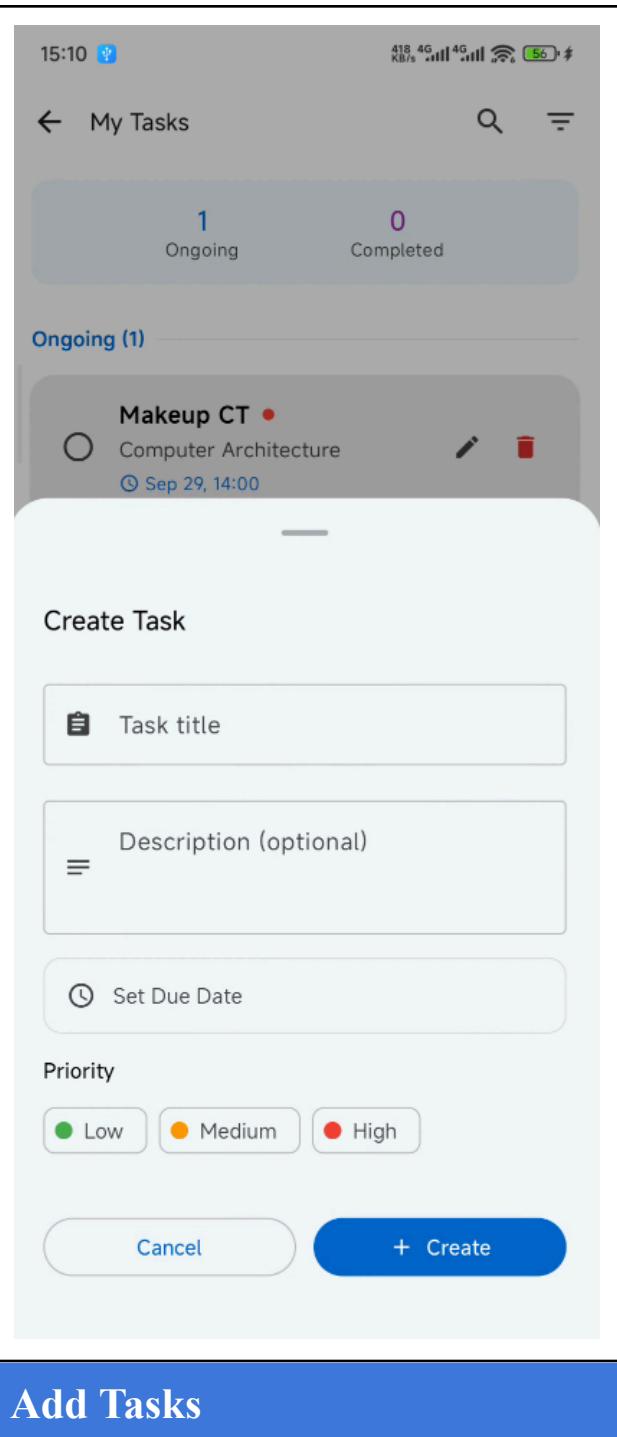
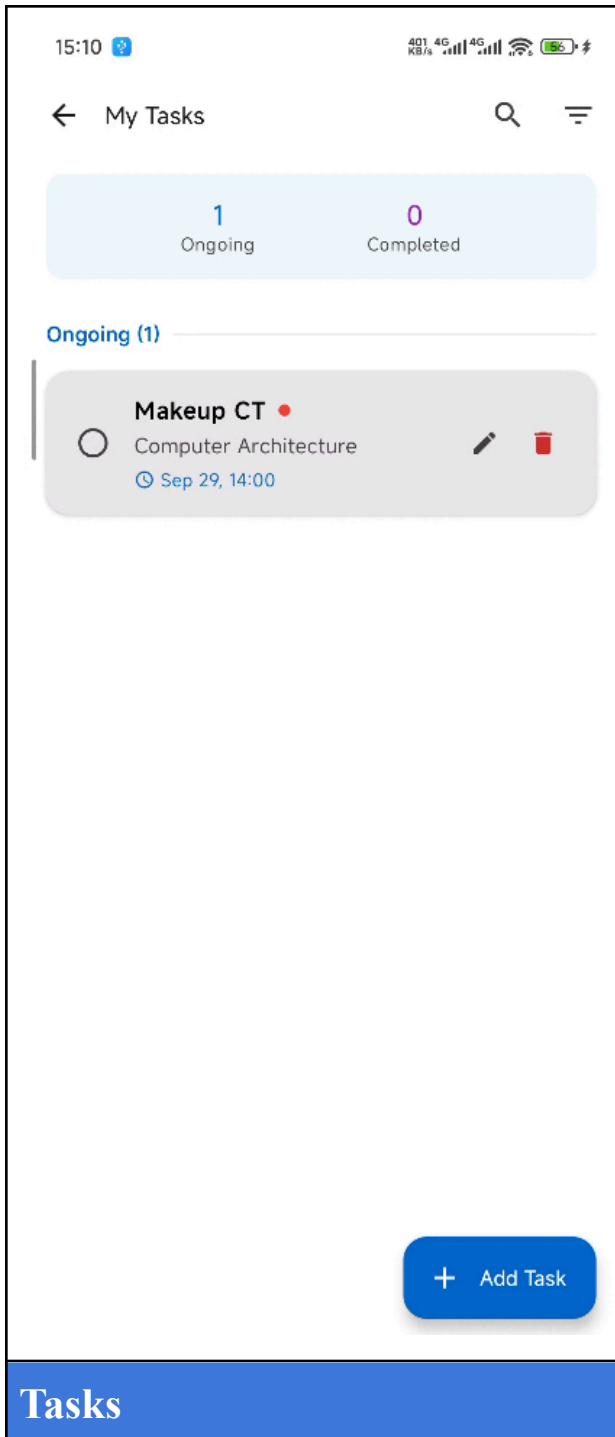
**Submit Questions** +10 Coins

**View Questions** -2 Coins

Search folder...

- Advance Algorithm
- Computer Networking
- CSE 181 : Discrete Mathematics
- CSE 261 : Numerical Methods
- CSE 263 : Digital Logic Design
- CSE 265 : Algorithm
- CSE 281 : Java
- CSE 343 : Computer Architecture
- CSE 355 : Image Processing

View Question Bank



1:20 0 KB/s

Exam Routine

Enter Course Codes

Course Code(s)  e.g. CSE181.3 X

Course code must include section (e.g., CSE181.3)

Selected Courses:

CSE181.3 X CSE181.2 X

Find Exam Schedule

15:04 252 KB/s

Exam Routine

Found 4 exams  
Served from cache • Tap refresh for latest

Download

**CSE343.3**

**Computer Architecture**

Date Oct 06, 2025

Time 9:30 – 11:30

Faculty [GZI] Dr. Gazi Zahirul Islam

**CSE345.4**

**Information System Design & Software Engineering**

Date Oct 08, 2025

Time 12:00 – 14:00

Faculty [SDK] Shimul Dey Katha

**Search Exam Routine**

**View Exam Routine**

Course Name  
Database

Assessment Marks	
Total 20	Obtained 17
Midterm	
Total 15	Obtained 14
Class Test	
Total 10	Obtained 8
Attendance	
Total 15	Obtained 15
Performance	
Total 10	Obtained 10
Assignment	
Total 0	Obtained 0
Presentation	

1:22 0 KB/s

Assessment Tracker

**Assessment Overview**  
1 courses tracked

**Average Progress**  
**92.9%**

**shhs**  
Target: A+

Assessment Breakdown		
Assessment	Total	Obtained
Midterm	20	18
Class Test	15	15
Attendance	10	10
Performance		
Assignment	15	13
Presentation	10	9
<b>Current Total</b>	<b>70</b>	<b>65</b>

Final Target  
**15.0/30**

**A+**

Edit

Delete

**Assessment Tracker**

**Add marks**

**Assessment Tracker**

15:16 4G KB/s

← Faculty Review ★ 34

Submit Review +10 Coins

Search Reviews -2 Coins

Submit Faculty Review

Faculty Name Enter faculty full name

Faculty Initial

Course Code

Rating

Comments

Submit Review

15:17 4G KB/s

← Faculty Review ★ 30

Submit Review +10 Coins

Search Reviews -2 Coins

Search Faculty Reviews

Faculty Initial JDO

Search Reviews

Filter & Statistics

Filter by Course Show All

Review Statistics

24 Total Reviews 3.3 ★ Average Rating

4 1-Star Reviews 6 5-Star Reviews

CSE101 Faculty: JDO

★★★★★

Excellent lecturer explains concepts clearly

Faculty Review(Submit)

Faculty Review (View)

15:18

2.69 4G 4G WiFi 50%

← Cover Page Generator

The interface displays five different cover page templates for Southeast University assignments. Each template includes fields for Assignment on, Course Title, Course Code, Submitted to, Submitted by, Dept. of Batch - ID, and Date of Submission. The templates feature various designs, including a modern building, a blue and white geometric pattern, a hexagonal grid, a red and orange abstract design, and a yellow and orange abstract design.

15:18

1.46 4G 4G WiFi 50%

← Preview

The preview screen shows a single assignment cover page for "isdproject report isd". The page features a large image of a modern university building at the top. Below the image, the text "SOUTHEAST UNIVERSITY" and "Meeting the Challenges of Time" is displayed. The form fields are identical to the generator's template, with the specific assignment details filled in.

Cover Page Generator

The screenshot shows a mobile application interface for an academic calendar. At the top, it displays the time (15:19), signal strength (18.3 KB/s), battery level (99%), and a navigation arrow pointing left. The title "Academic Calendar" is centered above the date "Thursday, September 25, 2025".

Below the title, there are two buttons: "89 Events" with a calendar icon and "3 Semesters" with a graduation cap icon.

The main feature is the "Calendar View" for September 2025. It includes a back arrow, a forward arrow, and a central box labeled "September 2025". The days of the week are listed below: Sun, Mon, Tue, Wed, Thu, Fri, Sat. The dates are represented by circles, with the 25th highlighted in blue. Other dates have small dots inside them.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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	26	27
28	29	30				

Below the calendar, the "Semester Details" section is shown for "Fall 2025" with "27 events" and a dropdown arrow. Another section for "Spring 2025" with "33 events" is also present with a dropdown arrow.

15:20 1.47 MB/s 4G 4G 🔍 50%

## Academic Calendar

Thursday, September 25, 2025

27 events

- Sept 03 - 10**  
Pre-registration for Fall 2025
- Oct-15**  
Registration begins for Fall 2025
- Oct 22 - 23**  
Orientation of newly admitted students
- Oct-23**  
Registration ends
- Oct-26**  
Classes begin
- Nov-04**  
Last date for Course ADD/ DROP
- Nov-06**  
Last date for payment of 1st installment (40%) without late fee
- Nov-10**  
Last date for payment of 1st installment (40%) with late fee
- Nov-13**  
Last date for payment of 2nd installment (40%) without late fee

## Academic Calendar

15:24

SEU Forum

all Coding (2) General (2)

Coding help please  
whats the solve for watermelon problem  
codeforces

1 heart 1 comment 8 views

MD. Ferdous Hasan Rahid Sep 09 Coding  
This is a program for hello world  

```
#include <stdio.h>
int main() {
    printf("Hello, World...");
```

0 hearts 0 comments 5 views

Anonymous User Sep 04 General  
hello, world. im anonymous  
this is an anonymous post

0 hearts 5 comments 8 views

MD. Ferdous Hasan Rahid Sep 04 General  
hello world  
hello world

3 hearts 1 comment 8 views

15:24

Comments

hello, world. im anonymous  
this is an anonymous post  
By Anonymous User 2025-09-04 11:47:38

0 hearts 5 comments

Comments (2)

Anonymous Sep 04  
is it anonymous?  
0 hearts Reply

frahid Sep 04  
yes it is  
0 hearts Reply

Write a comment...

Forum

Forum

15:25 84.64G KB/s

Chat ★ 30

1 active user (tap to view)

jubair ID: 2022100000010

hlw 08:45 PM 0

jubair ID: 2022100000010



10:48 PM 0

hello 10:49 PM 1

hi everyone 08:17 AM 0

good morning 08:17 AM 0

Type a message... ➤

UniChat

15:26 504.4G KB/s

Blood Donors



Blood Donation Community

Join our community of lifesavers and help those in need

Your Donor Status 

Last Donation Date Sep 19, 2025  Update

Blood Group Not specified

Phone Number Not specified

Need Blood?

Find available blood donors in SEU

Find Donor

 **Important Note**  
Donors need a minimum of 90 days between blood donations. While you're in this recovery period, your contact details will stay hidden.

Blood Donation

15:28

2.33 4G 4G WiFi 60%

## ← Active Blood Donors



Imran Hossain

Blood Group: B-

Last donated: Dec 05, 2024



Call



Jubair Moaj

Blood Group: B+

Last donated: null



Call



Kamal Ahmed

Blood Group: A+

Last donated: Nov 25, 2024



Call



MD. Ferdous Hasan Rahid

Blood Group: AB+

Can donate after 84 days

Last donated: Sep 19, 2025



Restricted



Meherun Nesa

Blood Group: AB-

Last donated: Oct 20, 2024



Call



Mohammad Ali

Blood Group: B+

Last donated: Jan 05, 2025



Call



Nadia Islam

Blood Group: O-

Last donated: Dec 10, 2024



Call

## Blood Donors

## ← Club Information



Computer Club

- Organizing coding competitions and hackathons
- Conducting workshops on programming, AI, robotics, etc.
- Hosting seminars/webinars with IT professionals
- Running peer-to-peer coding help sessions
- Developing software or apps as club projects
- Participating in inter-school/college tech fests
- Maintaining the school/college website
- Arranging quiz competitions on computer knowledge
- Encouraging ethical hacking and cybersecurity awareness

Website

Facebook

View Panel



Cultural Club

- Organizing cultural festivals and celebrations
- Hosting music, dance, drama, and art competitions
- Conducting talent shows and open-mic events
- Arranging workshops on painting, theatre, music, and dance

Website

Facebook

## Club Info

1:23 0 KB/s

Search rooms, floors...

**Exam Hall**  
Floor 2nd Room 215 Exam Hall

**Regular ClassRoom**  
Floor 3 Room 317 Classroom

**Regular ClassRoom**  
Floor 3 Room 325 Classroom

1:23 0 KB/s

Search faculty info

**298 Faculty Members**

 **Prof. Dr. Farhana Helal Mehtab**  
Law 

 **Mohammad Jahid Mustofa**  
Law 

 **Md. Asraful Islam**  
Law 

 **Sadia Afroz Binte Siraj**  
Law 

 **Bahreen Khan**  
Law 

 **Ehteshamul Haq**

**Campus Info**

**Faculty Info**

← Shimul Dey Katha  
CSE



Shimul Dey Katha

CSE  
SDK

Call Email

Academic Information

Department CSE  
Position Lecturer

Contact Information

Phone +880 1571-275447  
Email shimul.katha@seu.edu.bd

Location Information

1:25 0 KB/s 🔍 ⚡ 76

← Important Contacts ⌂ ⌂

Search departments, services...

**Office of IT**  
Tuition Fees, admission, course add, drop  
Technical

Call Email

**Program Office**  
Course add-drop, Credit transfer  
Academic

Call Email

Faculty Info

Important Contacts

15:31

512 KB/s 4G 4G

## ← Quick Links

### Useful Links

Quick access to important websites and portals for SEU students.



SEU Official

<https://new.seu.edu.bd/>



Southeast Computer Club

<https://www.facebook.com/seucc/>



Tuesday



16/09/2025

**Teaching Evaluation –  
Summer 2025 (Except  
Pharmacy & Law Dept.)**

[Details](#)

Wednesday



03/09/2025

**Eid-e-Miladunnabi-2025**

[Details](#)

Monday



01/09/2025

**Quick Links**

**Notice Board**

1:24 2 KB/s

15:31 930 KB/s

Frequently Asked Questions

## Got Questions?

Find answers to common questions about academic life, campus resources, and more.

There are so many schools in the U.S. How do I decide which schools to apply to?

What's the difference between a college and a university?

What is the difference between "Undergraduate" and "Graduate" degrees?

Undergraduate programs follow high school and lead to an associate (two-year) degree or a bachelor (four-year) degree. Graduate programs follow a bachelor's degree and lead to a master's or doctoral degree.

CP Leaderboard

All Users Active Users

Search by handle

98 Users Found Page 1 of 10

Rankings

Rank	User Handle	Rank #	Date	Max Score
1	profuad	Rank #1	Jun 21, 2019	1557 Max: 1884
2	heisenberg..	Rank #2	Mar 09, 2023	1476 Max: 1539
3	alamin8999	Rank #3	Mar 17, 2017	1385
4	ahsan0045	Rank #4	Feb 04, 2016	1380 Max: 1567
5	javedmirjeetu	Rank #5	Aug 07, 2016	1373

< Previous 1 2 ... 10 Next >

FAQ

Cp Leaderboard

<p>16:01</p> <p>14.2 4G 4G WiFi 65%</p> <p>← Profile</p> <p> Phone Number Not specified</p> <p> University Email 2023100000546@seu.edu.bd</p> <p> Username frahid</p> <p> Social Media </p> <p> Facebook ID Facebook.com/fhr.frahid</p> <p> LinkedIn ID frahid</p> <p> Academic Information </p> <p> Interests</p>	<p>16:01</p> <p>18.0 4G 4G WiFi 65%</p> <p>Today's Classes September 25, 2025 • 4:00 PM</p> <p>CSE341.8 Computer Networking 13:00 - 16:20 Sat, Thu 611 MAR</p> <p>UVE 20m</p>
<h2>User Profile</h2>	<h2>Routine Widget</h2>

## Website - <https://campusmate.app>

The homepage features a navigation bar with links to Home, Features, About Us, CP Leaderboard (HOT), Contact, and a Google Play download button. Below the navigation are eight tool cards arranged in two rows of four:

- CGPA Calculator** (Calculator): Calculate your CGPA with precision, track semester performance, and strategically plan your academic... [Explore tool →](#)
- Assessment Tracking** (Academic): Organize and track all your assignments, quizzes, and examination schedules with smart... [Explore tool →](#)
- Tuition Calculator** (Calculator): Calculate semester fees, manage payment schedules, and track your financial obligations efficiently. [Explore tool →](#)
- Exam Routine** (Academic): Manage comprehensive exam schedules, track preparation progress, and analyze your... [Explore tool →](#)
- Academic Calendar** (Information): Stay updated with university events, deadlines, and important academic dates throughout the year. [Explore tool →](#)
- Cover Page Generator** (Academic): Create professional cover pages for your assignments with customizable fields and instant PDF download. [Explore tool →](#)
- CP Leaderboard** (Information): Codeforces CP Leaderboard for SEU students [Explore tool →](#)
- Blood Donor** (Academic): Find and connect with nearby blood donors or banks when needed. [Explore tool →](#)

## Admin Panel

The Admin Panel has a sidebar with links to Campus Info, Faculty Info, Club Info, Club Panel, Important Contact, Academic Calendar, FAQ, Sites & Portal, Blood Bank, and Notice. The main area shows a "Slide View" dashboard with a "Slide View Management" table:

Order	Preview	Title	Type	Button	Status	Actions
0		Singapore Plus VPN	Full image	No	Active	<a href="#">Edit</a> <a href="#">Delete</a>
2		Protect your privacy, browse faster, and unlock co...	Image	Yes	Join Forum	<a href="#">Edit</a> <a href="#">Delete</a>
3		FlashMail	Image	Yes	Manage Tasks	<a href="#">Edit</a> <a href="#">Delete</a>
4		Study Resources Hub	Icon	Yes	Active	<a href="#">Edit</a> <a href="#">Delete</a>
7		DesignHub	Full image	Yes	Active	<a href="#">Edit</a> <a href="#">Delete</a>
9		tesr	Full image	No	Active	<a href="#">Edit</a> <a href="#">Delete</a>

# Testing

Module Name	Attributes										System Working Status	System Status	Remarks
Registration	Email	Otp	Full name	Username	Phone					Password	registration not successful	ok	not valid email
	<a href="mailto:hhhh.com">hhhh.com</a>	x	x	x	x					x			
	test@test.com	234567	first name last name	firstname	123456789					1234	registration not successful	ok	minimum 6 character password
	test@test.com	173261	first name last name	firstname	123456789					123456	Reg successful	ok	success
	example@example.com	435234	first name last name	firstname	123456789					123456	registration not successful	ok	username taken
Login	Email			Password									
	firstname			1234							login not successful	ok	username or password invalid
	firtna			123456							login not successful	ok	username or password invalid
	firstname			123456							login successful	ok	login success
Cgpa Calculator	Course 1 credit	Course 2 credit	Course 3 credit	Course 1 gpa	Course 2 gpa					Course 3 gpa	Calculation successful	ok	Cgpa 3.42
	3	3	3	4	2.5					3.75			
Tution Fees Calculator	Per Credit Fee		Total Credit	Lab fee						Waiver			

	3850	12	3500				150	unsuccessful	ok	waiver must be between 0 and 100
	3850	12	3500				60	successful	ok	success. total fees 21,980
	3850	12	3500				-45	unsuccessful	ok	waiver must be between 0 and 100

Question Bank	Course Code	Faculty Initial	Question Type	Select Question File	success	ok	Question submitted! +10 coins for review
	CSE345.4	SDK	MID	Selected			

Class Routine	Course Code	Course title	Class Days	Time	Room				Initial		
	CSE345.4									unsuccessful	ok
	CSE345.4	ISD	sat,thu	11:30-12:50	527				SDK	successful	ok
											Please fill all the fields

Assessment Tracker	Course Name	Mid	CT	Attendance	Assignment					Presentation			
		12	11	2	20					10	unsuccessful	ok	course name missing
	ISD										successful	ok	assessment added
	ISD	12	11	2	20					10	successful	ok	assessment added

	test task	test	12/1/2025, 3:00 PM	Low							successful	ok	task added
Submit Faculty review	Faculty Name	Faculty Initial	course code	Rating	Comments								
	test	tt	test101	5	good						successful	ok	review added
View Faculty review	Enter Faculty initials												
	JDO										successful	ok	review found
Exam routine	Enter Course code												
	CSE181										unsuccessful	ok	Invalid format
	CSE181.1										successful	ok	exam found
post in forum	Title	Category	content	is Anonymous									
	test	general	content test	no							successful	ok	posted
	testing anonymity	general	anonymity test	yes							successful	ok	posted
Cover Page Generator	Title	course title	course code	faculty name	faculty dept	faculty University	Student's Name	student depts	Student id	Submission date	Successful	ok	cover page generated
	test	test	121	test	cse	southeast	test1	cse	203100000	12/12/2025			

UniChat	Type message	a	add photo										
	hello everyone		no								successful	ok	message sent
	varsity picture		yes								successful	ok	message sent

Blood donor	Donor status	Last donation date	Find donor									
	no		ab+							successful	ok	success
	yes	12/7/2025								successful	ok	updated
	yes	12/10/2025	b+							successful	ok	updated

# Conclusion

The SEU CampusMate project was made to help Southeast University students manage their academic and campus life in an easier and faster way. During this project, we worked on creating a single platform where students can find everything they need, like class schedules, tuition fee calculators, CGPA tracking, faculty reviews, and important campus updates.

Many students face problems because information is spread across different places and systems. SEU CampusMate solves this by bringing all these services together in one app and website. It saves students time and helps them avoid mistakes when calculating GPA, attendance marks, or tuition fees. It also has tools like a question bank, cover page generator, to-do list, and even a chat system for students to connect with each other.

We used Kotlin Multiplatform to build the mobile app for both Android and iOS, and Next.js for the website so it works smoothly on computers and phones. The Spiral Model was the best choice for our project because it allowed us to build the system step by step, test it, fix problems early, and make changes based on feedback.

Through testing and improvements, we made sure the app is secure, user-friendly, and reliable. SEU CampusMate not only helps students but also supports university staff by making it easier to manage notices, clubs, events, and other information.

In the future, we plan to add more smart features, like personalized study suggestions and advanced notifications, to make it even more helpful. Overall, SEU CampusMate is a step toward making campus life more connected, organized, and simple for every Southeast University student.

