Campus Connect System - Use Case Analysis
1. Facilities Management Package

This module handles the reservation and tracking of university facilities.

View Study Rooms / Sport Facilities

   Primary Actor: Student

   Description: Allows the student to view available study rooms and sport facilities.

Reserve Private Study Room

   Primary Actor: Student

   Description: Students can reserve a specific private study room for a set duration.

   Pre-condition: User must be logged in.

Cancel Room Reservation

   Primary Actor: Student

   Description: Allows the student to cancel a reservation they previously made for a study room.

Check-in/Check-out (Public Room)

   Primary Actor: Student

   Description: For public study rooms, students must check in upon entry and check out upon exit to track usage.

Reserve Sport Facility

   Primary Actor: Student

   Description: Students reserve a slot for a sport (e.g., Gym, Ball games). For team sports, a minimum number of students is required.

Cancel Sport Reservation

   Primary Actor: Student

   Description: Cancels a reserved sports facility slot.

Report Facility Issue

Primary Actor: Student

Description: Allows students to report maintenance issues or broken equipment within a facility.

2. Events & Club Management Package

This module manages student engagement, club activities, and event logistics.

Create Event / Session

Primary Actor: Club Manager

Description: The manager initiates a request to create a new event (for selected faculties) or a session (for club members).

Post-condition: The event is not active until approved by an Admin.

Approve Event / Session

Primary Actor: Sudo / System Admin

Description: The Admin reviews event requests submitted by managers. If approved, the system books the time slot and venue.

Publish Announcement

Primary Actor: Club Manager

Description: The manager publishes announcements or posts to club followers and optionally shares them to social media.

View Attendee / Registered Lists

Primary Actor: Club Manager

Description:

Registered List: Viewable before the event starts to see who reserved a seat.

Attendee List: Viewable after the event starts to see who actually attended.

Edit Club Profile

Primary Actor: Club Manager

Description: Updates club information and profile details.

Reserve Event / Session Seat

   Primary Actor: Student

   Description: Students reserve a spot to attend a specific event or club session.

Cancel Event / Session Reservation

   Primary Actor: Student

   Description: The student cancels their attendance reservation.

Attend Event (Check-in)

   Primary Actor: Student

   Description: The process of a student checking in at the event location.

Join Club

   Primary Actor: Student

   Description: Student joins a specific club to gain access to private sessions and notifications.

3. Admin & Automation Package

This module covers high-level system administration and automated background tasks.

   Create User Accounts

      Primary Actor: Sudo / System Admin

      Description: The Admin creates accounts for Students, Club Managers, and other Admins.

Add Faculties

   Primary Actor: Sudo / System Admin

   Description: The Admin adds or updates university faculty data in the system.

View Logs

   Primary Actor: Sudo / System Admin

Description: The Admin views system logs, particularly regarding study room usage.

Override System Rules

Primary Actor: Sudo / System Admin

Description: Allows the Admin to perform actions that bypass standard system restrictions.

Print Reports

Primary Actor: Sudo / System Admin

Description: Generates reports on system usage and statistics.

Release Facility (System Automation)

Primary Actor: System (Timer)

Description:

Releases the facility when the reservation time ends.

No-Show Rule: Automatically releases the facility 20 minutes after the start time if the student has not checked in.

Send Notifications & Emails

Primary Actor: System (Timer)

Description: The system automatically sends emails and notifications for reminders, announcements, or available facilities.