Class: F.Y.MCA　　　**Semester: I AY2425**　　**Subject: Software Engineering Lab**

Subject In charge: Nikhita Mangaonkar　　　　**Course Code: MC503**
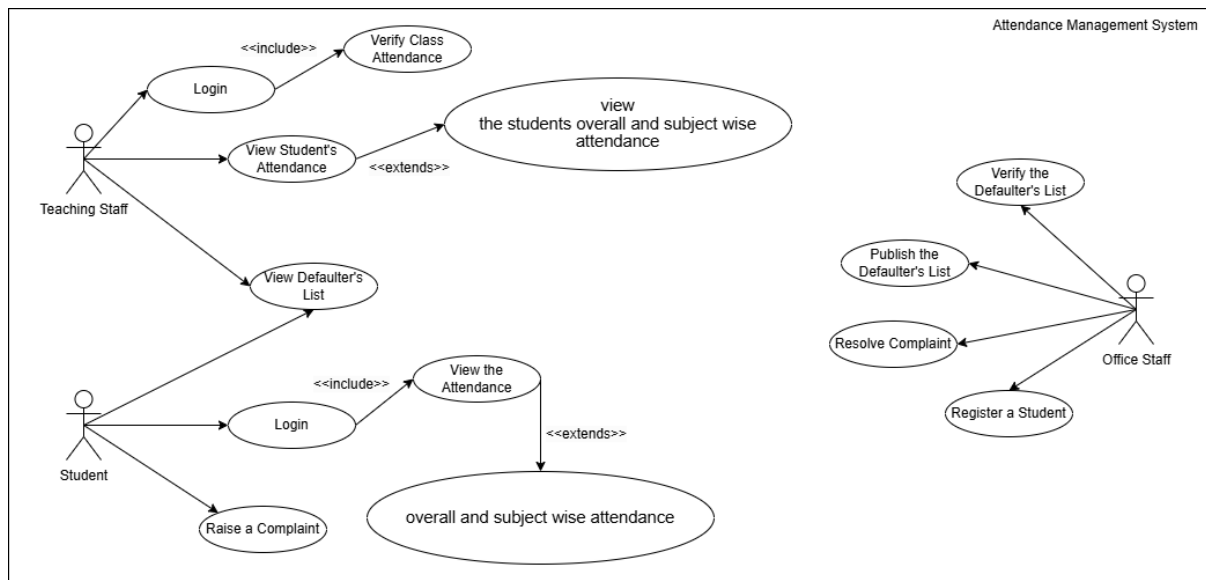
ROLL NO.: 2024510001　　　　**BATCH: A**

NAME: Atharva Vasant Angre

EXPERIMENT NO: 03

EXPERIMENT TITLE: Draw use case diagram. Prepare Use case specification document for given Scenario.

Objective:

1. To design Use Case Diagram.

2. To identify and implement System, Use cases, Actors, Relationships from a given case study.

3. To implement Use case specification

Use Case Diagram Specification

Use Case ID:	AMS1
Use Case Name:	Attendance Management System
Created By:	Atharva Vasant Angre
Date Created:	03.12.2024

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Actor:	Student, Teaching Staff, Office Staff
Description of use cases:	• Login: Allows both Teaching Staff and Students to log into the system securely. • View Student's Attendance: Enables Teaching Staff to view individual or class-wise attendance records. • Verify Class Attendance: Teaching Staff verifies and updates attendance records. • View Defaulter's List: Teaching Staff can view students who fall below the attendance threshold. • View the Attendance: Students can view their overall and subject-wise attendance. • Raise a Complaint: Students can report any discrepancies in their attendance. • Resolve Complaint: Office Staff handles and resolves complaints raised by students. • Register a student: Office Staff registers new students in the system. • Publish the Defaulter's List: Office Staff officially releases the list of defaulters. • Verify the Defaulter's List: Office Staff validates the accuracy of the defaulter's list.
Preconditions:	• Teaching Staff and Students must have valid credentials to log into the system. • The system must contain preloaded attendance records for students. • Office Staff must have administrative access to manage student records.
Postconditions:	• Login: Users are redirected to their respective dashboards. • Verify Class Attendance: Attendance records are updated in the system. • View Attendance: Students can view accurate, updated attendance information. • Raise a Complaint: Complaints are logged and forwarded to the Office Staff for resolution. • Resolve Complaint: Complaints are resolved, and the changes are reflected in the system. • Publish Defaulter's List: The list is made accessible to all concerned parties.
Extends:	• View Student's Attendance: Teaching Staff can use this to extend View the Attendance, adding a higher level of detail. • Overall and Subject-wise Attendance: Extends both View Student's Attendance and View the Attendance for a detailed breakdown.
Includes:	• Verify Class Attendance: Includes Login for Teaching Staff. • View Attendance: Includes Login for Students. • Publish Defaulter's List: Includes Verify Defaulter's List to ensure accuracy.
Assumptions:	• Attendance records are updated daily in the system. • Defaulter thresholds (e.g., minimum attendance percentage) are preconfigured and known to all users. • Complaints are resolved within a reasonable timeframe.