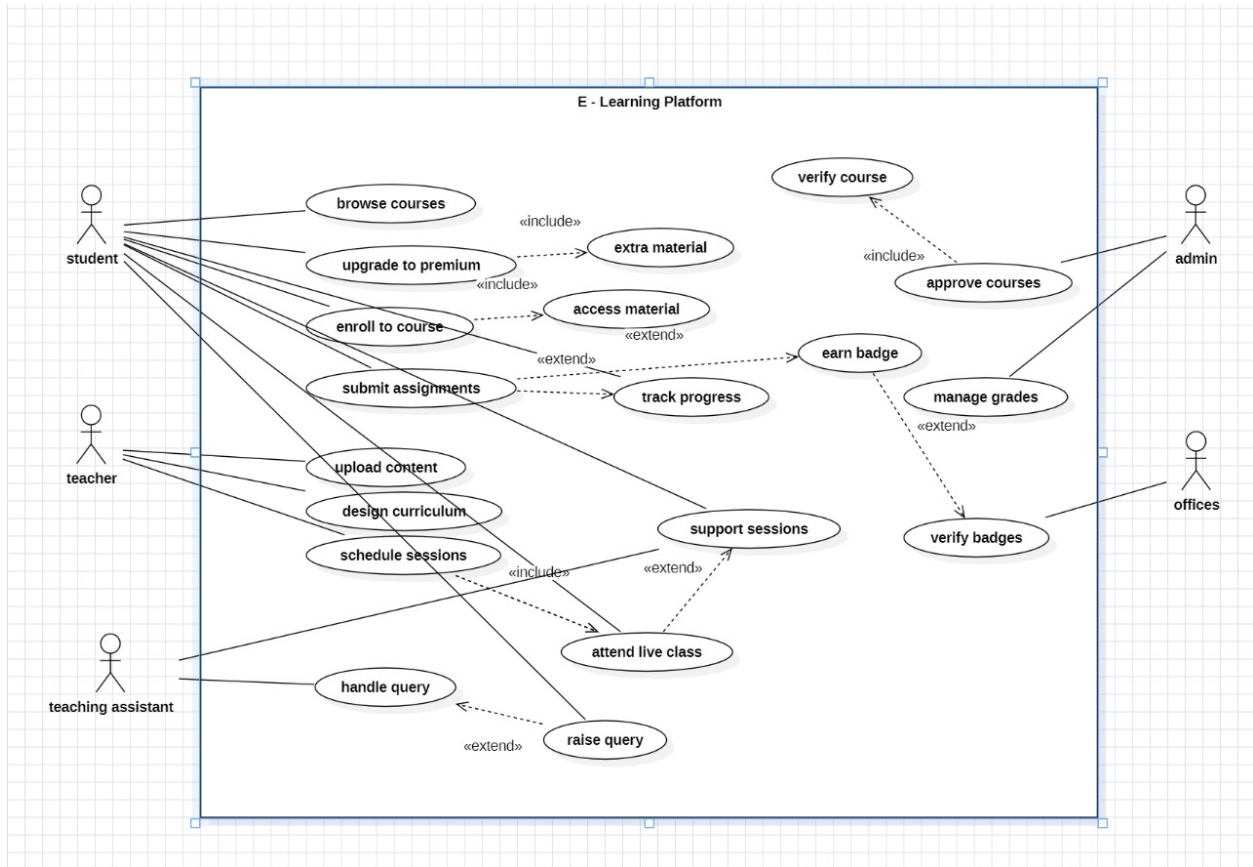# UE22CS352A - OBJECT ORIENTED DESIGN AND ANALYSIS

LAB -1

NAME - ARNAV SATISH
SECTION - B
SRN - PES1UG22CS107

USE CASE DIAGRAM USING TOOL:

HANDWRITTTEN:

UE22CS352A : OBJECT ORIENTED ANALYSIS AND DESIGN
LAB - 1

NAME:- ARNAV SATISH
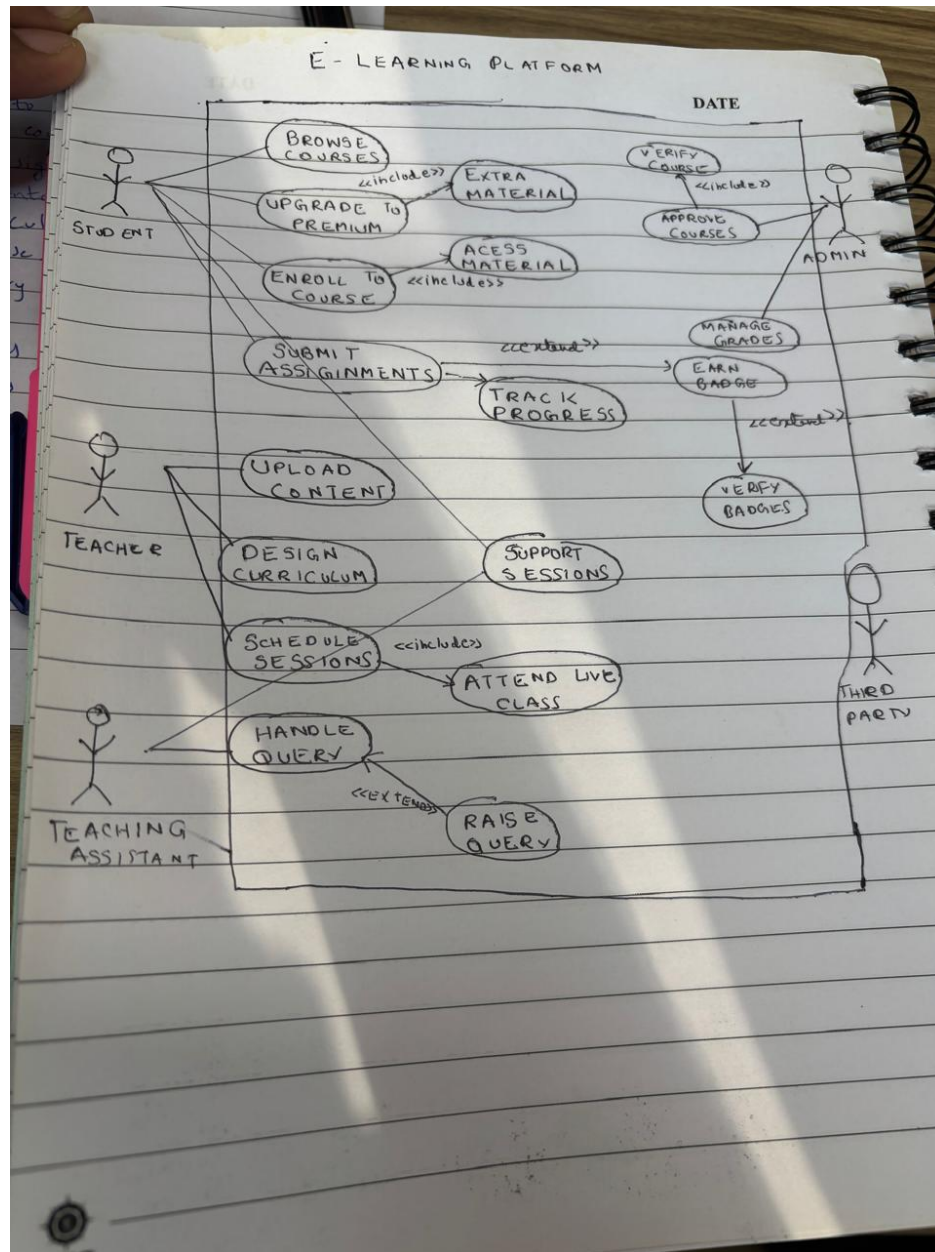SRN:- PESIUG22CS107
SECTION - B

E - LEARNING PLATFORM

ACTORS:-

i) STUDENT
ii) TEACHING ASSISTANT
iii) ADMIN
iv) INSTRUCTOR
v) THIRD PARTY

USE CASES:

1) browse courses
2) upgrade to premium
3) enroll to course
4) submit assignments
5) upload content
6) design curriculum

PES

7) schedule sessions
8) handle query
9) verify courses
10) approve courses
11) manage grades
12) verify badges
13) earn badge
14) extra material
15) acess material
16) track progress
17) support sessions
18) attend live class
19) raise query

E - LEARNING PLATFORM

DATE

USE CASE DIAGRAM DISCUSSION:

1 Approve Course

Justification for Selection:

The **Approve Course** use case is critical because it ensures that the course content meets the platform's standards and requirements before becoming available to students. This step helps maintain the quality and integrity of the learning materials and ensures that students only engage

with authorized content. The approval process also serves as a gateway for new courses to enter the system and ensures that courses are valid, relevant, and correctly structured.

Use Case Description:

Use Case Name: Approve Course
Actor: Admin
Description:
The Instructor submits a newly created or updated course for approval to the Admin. The Admin reviews the course for accuracy, completeness, adherence to guidelines, and quality. Once the course passes the review process, it is approved and made available to students for enrollment. If the course does not meet the necessary standards, the Admin rejects it, providing feedback to the Instructor for revisions.

Preconditions:

- The course must be created and uploaded by the Instructor.
- The Instructor must have permission to submit the course for approval.
- The Admin must be available and have the necessary privileges to review the course.

Basic Flow:

1. The Instructor submits the course for approval.
2. The Admin receives the course for review.
3. The Admin reviews the course content (videos, assignments, materials, etc.).
4. If the course is approved, the Admin marks it as approved and it becomes available for students.
5. If the course is not approved, the Admin provides feedback to the Instructor and the course is sent back for revisions.

Alternate Flow:

- If the Admin identifies issues (e.g., incomplete course material, incorrect structure), the course is not approved and the Instructor is notified to make the necessary changes.

2 Upload Content

Justification for Selection:

The **Upload Content** use case is fundamental to the platform because it enables the Instructor to provide the core learning materials that students will engage with. Without this function, there would be no content for students to learn from, making it impossible for any teaching activities to occur. This use case also ensures that the platform can deliver course content in various formats such as videos, readings, and assignments, all of which are essential for a well-rounded educational experience.

Use Case Description:

Use Case Name: Upload Content
Actor: Teacher
Description:
The Instructor is responsible for uploading various course materials, including video lectures, reading materials, assignments, and other relevant content. These materials are uploaded to the platform and made available to students enrolled in the course. The Instructor can upload content throughout the duration of the course, ensuring that students have access to the latest resources. The platform supports different file types, including video, PDF, and text.

Preconditions:

- The Instructor must have an account and be logged in to the platform.
- The course must be created or being developed by the Instructor.
- The Instructor must have the appropriate permissions to upload content.

Basic Flow:

1. The Instructor logs into the platform.
2. The Instructor navigates to the course they are teaching.
3. The Instructor selects the "Upload Content" option.
4. The Instructor uploads course materials (e.g., video, PDF, assignments).
5. The system processes and stores the uploaded content.
6. The uploaded content is made available to students enrolled in the course.

Alternate Flow:

- If the file size exceeds platform limits or an unsupported file type is uploaded, the system will display an error message and prompt the Instructor to re-upload the content in the correct format.