

# Identified Users and Requirements for the Course Recommendation System

## **PRIMARY USERS:**

1. Foundational level students
2. Diploma level students
3. Degree level students

## **SECONDARY USERS:**

1. Course instructors
2. Teaching assistants
3. Enrollment data handling team (Admin)

## **TERTIARY USERS :**

1. Program Admin
2. IT support

## PRIMARY USERS:

### Foundation level student

- **Story 1:**  
**As a :** Foundation level student,  
**I want :** to receive a list of recommended introductory courses in mathematics, science, and humanities,  
**So that:** I can explore different subjects and make an informed decision about my major.
- **Story 2:**  
**As a :** Foundation level student,  
**I want :** to have access to detailed course descriptions, including prerequisites and course objectives,  
**So that :** I can choose courses that match my current knowledge level and interests.
- **Story 3:**  
**As a :** Foundation level student,  
**I want :** to track my progress in completing foundation courses using a visual progress bar,  
**So that :** I can easily monitor my advancement toward meeting the foundation course requirements

### Diploma level student

- **Story 1:**  
**As a:** Diploma-level student,  
**I want:** to view feedback from other students who have previously taken a specific course,  
**So that:** I can make an informed decision when selecting that course.
- **Story 2:**  
**As a:** Diploma-level student,  
**I want:** to be able to specify the number of weekly hours I can dedicate to my studies,  
**So that:** so that course recommendations align with my availability.
- **Story 3:**  
**As a:** Diploma-level student,

**I want:** to know about insights and difficulty level of both the diploma level courses,  
**So that:** I can have complete knowledge about both the diploma level courses and take the courses according to my priority.

## Degree level student

- **Story 1:**  
**As a:** Degree-level student,  
**I want:** to be able to input my goals in what domain I want to specialize in  
**So that:** I can be recommended the right set of electives and core pairs to achieve my goals.
- **Story 2:**  
**As a:** Degree-level student,  
**I want:** to be able to provide feedback for completed courses,  
**So that:** I can help junior students to have a better understanding of the courses and make informed decisions.
- **Story 3:**  
**As a:** Degree-level student,  
**I want:** to be able to view the availability of courses offered across the next 4 terms.  
**So that:** I have complete knowledge about the available courses and can schedule the pace of picking and completing the courses.

## SECONDARY USERS:

### Course Instructor

- **Story 1:**  
**As a:** Course Instructor ,  
**I want:** to be able to easily view and manage the courses I'm assigned to teach in the course registration portal  
**so that:** I can efficiently plan and organize my teaching schedule.
- **Story 2:**  
**As a:** Course Instructor,

**I want to :** be able to review, provide feedback, and assign grades to all student assignments for a specific course within a reasonable time frame, such as one week from the submission deadline.

**So that:** i can interact with the student's work and improve his/her understanding of the concepts.

- **Story 3:**

**As a:** Course instructor,

**I want to:** be able to see statistics on individual student participation, showing the number of contributions (posts, comments, etc.) they've made within a specific time frame, like each week.

**So that:** i can find out / analyze the overall involvement of the particular student in that particular course.

- **Story 4:**

**As a:** course instructor

**I want to :** be able to see statistics on the performance of individual students, including the average score, highest and lowest scores, and any trends in the data.

**So that:** i can analyze students' overall performance and provide additional material to the student or rework the course material to make the concepts clear and understandable to everyone in the student community

## **Teaching Assistants:**

- **Story 1:**

**As a:** teaching assistant,

**I want :** to access a list of students enrolled in the specific course I'm assisting with, including their names, emails, and majors,

**So that :** I can communicate with and assist them effectively.

- **Story 2:**

**As a :** teaching assistant,

**I want :** to view students' performance data, including assignment grades, attendance records, and participation metrics,

**So that :** I can identify struggling students and provide timely help or encouragement..

- **Story 3:**

**As a :** teaching assistant,

**I want :** to provide feedback on student assignments and participation by entering comments and scores,

**So that :** I can support the primary instructor in evaluating student progress and learning outcomes.

## Enrollment Handling Team (Admin):

- **Story 1:**

**As a:** Member of the Enrollment Handling Team,

**I want:** to be able to load enrollment data of previous terms,

**So that:** the necessary data can be provided to specific teams.

- **Story 2:**

**As a:** Member of the Enrollment Handling Team,

**I want:** to be able to showcase the enrollment reports and statistics for each course, including the number of enrolled students, pass percentage and ratings,

**So that:** we can maintain records for planning for the various courses.

- **Story 3:**

**As a:** Member of the Enrollment Handling Team,

**I want:** troubleshooting to resolve any enrollment-related issues or concerns raised by students,

**So that:** we can ensure a fair and equitable enrollment process and address any student-specific needs or challenges promptly.

- This coordination should be facilitated through a dedicated communication channel or system.

## TERTIARY USERS:

### IT Support Team :

- **Story 1:**

**As a :** IT Support Team Member,

**I want:** be able to remotely troubleshoot and resolve technical issues on the devices of students and faculty members

**so that:** it provide a seamless learning and teaching experience

## Program Admin:

- **Story 1:**

**As a :** Program Admin,

**I want:** to oversee and optimize the program's operational processes, including enrollment, course scheduling, and resource allocation,

**so that:** I can ensure the program runs efficiently and effectively to meet its goals and objectives.

- **Story 2:**

**As a:** Program Admin,

**I want:** to make strategic decisions about program offerings, faculty assignments, and resource allocation based on data and analytics,

**so that:** I can drive program growth, quality, and student success.