

## **Identifying the various types of Users**

The following are the various types of users for our Learning Path Recommendation system:

### **Primary Users:**

- Students
- Administrator

### **Secondary Users:**

- Course Instructor
- Academic Advisor
- Data Analyst
- IT support
- Institutional Researchers

### **Tertiary Users:**

- Developers

## **User stories**

Here are the user stories with proper sequence numbers:

1. As a student,  
I want to be able to log into my student account securely,  
So that I can access and utilise the features and resources available within the system.
2. As a student,  
I want to access my learning profile, where I can access past scores and details of quizzes,  
So that I can have details of past completed courses.
3. As a student,  
I want to receive notifications and reminders for important academic dates, such as registration deadlines,  
So that I can stay organised and avoid missing critical events.
4. As a student,  
I want to receive personalised course recommendations based on my academic goals and interests,  
So that I can make informed decisions about my course selections.

5. As a student,  
I want to input my domain preferences (programming/mathematics/business analytics),  
achievements and/or professional details,  
So that the system can generate better personalised course recommendations for me.
6. As a student,  
I want to input my details like weekly available time, preferences,  
So that the system can generate personalised combinations according to data for me.
7. As a student,  
I want to be able to see course wise feedback given by others,  
So that it can help me to choose my preferences.
8. As a student,  
I want to give feedback in the form of text as well as rate the courses based on their  
difficulty level,  
So that I can help the program fine-tune its algorithm and also for other students to see  
my feedback and for me to reflect on my own feedback in future.
9. As a student,  
I want all my personal data which are collected by the software to be anonymous,  
So that my privacy is protected.
10. As an admin,  
I want to be able to log into the admin panel securely,  
So that I can access and manage the system's administrative functions.
11. As an admin,  
I want to upload enrolment data from previous terms in a bulk format,  
So that the system can analyse patterns and improve its recommendation algorithm.
12. As an admin,  
I want to view and export analytics on course enrolments, course popularity and student  
feedback,  
So that I can report these insights to the academic advisor for curriculum improvement.
13. As an admin,  
I want to monitor student feedback,  
So that the code and conduct is maintained.

14. As an admin,  
I want to assist students with account-related issues,  
So that I can provide support and maintain system security.
15. As a data analyst,  
I want to access all the necessary data from the database,  
So that I can check the correctness of the algorithm and make changes accordingly.
16. As an IT support staff member,  
I want to receive alerts on system errors or issues,  
So that I can promptly resolve them to ensure the system runs smoothly.
17. As an Academic advisor,  
I want to receive analytics and the negative feedback,  
So that I can make data-driven improvements to the course content and structure.