

MileStone 1: Identify User Requirements

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Identified User

Primary Users:

Students: Student enrolled in IITM BS degree program or Direct Diploma enrolled students who want to seek guidance from recommendation system and fellow seniors.

Admins (POD Team): Admins would be Course Instructors, Teaching assistant, Support team members who have the access to the data and have to maintain the apps performance and Answer query of the students related to recommendation system.

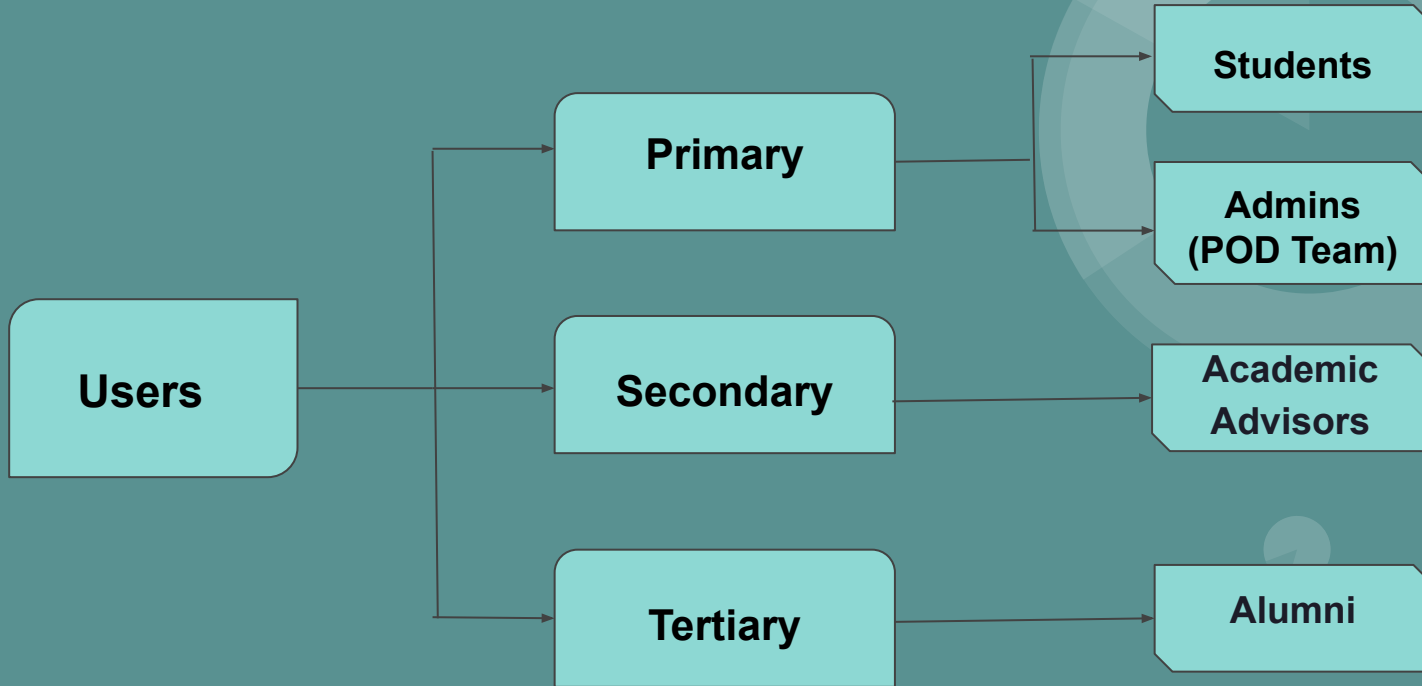
Secondary Users:

Academic Advisors: Academic advisors can be seniors, mentors and members of senate If want to give insight to the students.

Tertiary Users:

Alumni/Seniors (Optional): Alumni who have passed the BS level or have left the program can also help other students by sharing their personal experiences of the program.

User Identification



Primary User - Student

PROVIDE INFORMATION

As a student,

I want to provide information about my academic history, interests, and goals

So that I can receive personalized course recommendations.

RECOMMENDATION BASED ON FEEDBACK

As a student,

I want to view recommended courses based on my profile and feedback from previous students,

So that I can make informed decisions about my academic path.

VIEW COURSE DETAILS

As a student,

I want to see course details, including descriptions, prerequisites, and schedules

So that I can learn more about the recommended courses.

Primary User - Student

SUBMIT FEEDBACK

As a student,

I want to submit
feedback on courses I
have completed,

So that I can contribute
to the improvement of
future recommendations
and help fellow students.

NOTIFICATIONS

As a student,

I want to receive
notifications and
reminders about course
registration deadlines,

So that I can stay
organized and register
for courses on time.

CUSTOMIZE RECOMMENDATION

As a student,

I want to customize my
recommendations by
adjusting preferences

So that it better align
with my evolving
interests and goals.

Primary User - Admin/POD Team

UPLOAD ENROLLMENT DATA

As an admin,

I want to upload enrollment data from previous terms

So that the system can use historical data for analysis.

CONFIGURE SYSTEM

As an admin,

I want to configure system settings and monitor user activity

So that I can fine-tune the recommendation engine.

GENERATE REPORTS

As an admin,

I want to generate reports on system usage, course popularity, and feedback trends

So that I can make data-driven decisions.

Secondary/Tertiary User- Alumni/Advisor

ACCESS STUDENT

As an academic advisor,

I want to access my students' recommended learning paths

So that I can provide guidance and approval.

SHARE INSIGHTS

As an alumnus,

I want to share my insights and experiences

So that I can contribute to the improvement of the recommendation system for current students.

PROVIDE GUIDANCE

As an alumnus,

I want to help students who are interested in following the same learning path that I followed

So that I can guide them on how to manage their courses for that particular term.

Requirement Gathering Techniques

- We have first discussed among ourselves about what as a students we would require in a course recommendation system.(Focus Group)
- We attended live session and gone through the problem statement.(Naturalistic Observation)
- We conducted Informal interviews of foundational level students and Diploma level students to understand what they would like in a course recommendation system app. (Interview and Questionnaire)
- We have then tried our best to come up with Few User stories which we can work on considering **Specific, Measurable, Achievable, Relevant and Time boxed**.