Software Engineering Project

Sep 25 - Team 38

Milestone 1

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I.Understanding The Users

1. **Primary Users:** ***IIT Madras BS Teaching Assistants***

   Teaching Assistants are the primary users of the application. They are responsible for managing day-to-day course operations such as grading assignments, monitoring student progress, answering queries, and assisting instructors in content delivery. They rely on the system for streamlined communication, efficient task management, and easy access to course data.

2. **Secondary Users:** ***IIT Madras BS Program Support Team***

   Program Administrators oversee the broader academic program and manage multiple courses, instructors, and TAs. They use the application to track course performance, allocate teaching resources, and ensure compliance with institutional policies. Their focus is on maintaining smooth program operations and ensuring data consistency across courses.

3. **Tertiary Users:** ***IIT Madras BS Course Instructors***

   Course Instructors are the subject matter experts who design and deliver course content. While they are not the main users of the system, they occasionally interact with it to upload materials, review student performance summaries, and coordinate with TAs and administrators. Their goal is to ensure teaching quality and learning effectiveness.

II.User Stories

1. For Unprepared Students in Live Sessions

   As a Teaching Assistant,

   I want students to complete the recorded lectures before joining my live session,

   So that I can ensure they have the basic knowledge required and I can focus the session on solving problems instead of re-teaching the entire theory.

2. For Exam-Focused Learning

   As a Teaching Assistant,

   I want some feature like where I can tag course materials like topics, questions, or video timestamps as "High-Priority".

   So that I can quickly filter and deliver the specific content that students want during revision sessions close to their quizzes.

3. For Unawareness of Official Information

   As a Teaching Assistant,

   I want new students to complete a tutorial on their course portal that guides them to use essential resources like the student handbook and grading documents,

   So that they know where to find official and accurate information from the start, which will reduce their reliance on potentially incorrect information from their peers.

4. For Underutilization of Help Resources

   As a Teaching Assistant,

   I want a something great on the course dashboard that is trained to answer common administrative and policy questions by directly quoting from the official course documents,

   So that students get authenticated answers 24/7 and learn to trust and use the official resources provided to them easily.

5. For Repetitive Questions

   As a Teaching Assistant,

   I want a feature where a discussion forum automatically suggests similar questions that have already been answered as a student type of their new question,

   So that students can find their answers immediately and avoid creating duplicate posts.

6. For Unread Course Documents

   As a Teaching Assistant,

   I want a feature that helps people to easily find and share a direct link to a specific paragraph or section within course documents like the handbook or grading document,

   So that when a student asks a question, I can guide them to the exact source of information easily and precisely.

7. For Handling Repetitive Questions

   As a Teaching Assistant,

   I want a dedicated and searchable FAQ section for my course,

   So that students can find answers to common questions about deadlines and requirements themselves, reducing my need to answer the same queries repeatedly.

8. For Managing Workload

   As a Teaching Assistant,

   I want a tool to help automate repetitive administrative tasks like tracking submissions,

   So that I can reduce time spent on manual work and focus more on preparing for and conducting my sessions.

9. For Handling Deadline Extension Requests

   As a Teaching Assistant,

   I want a formal system where students can submit requests for deadline extensions with a valid reason,

   So that I can track all requests in one place and make fair, consistent decisions.

III. Interview Details

Interviewer Name	Interviewee Name	Interviewee Email	User Type	Recording Link
Rishav	Dipanshu	23f3001433@ds.study.iitm.ac.in	Primary	Click Here
Rishav	Mrinal	24f1001257@ds.study.iitm.ac.in	Primary	Click Here
Rishav	Ankit	22f1001210@ds.study.iitm.ac.in	Primary	Click Here