

EduTutor AI: Project Documentation

1. Project Title

EduTutor AI: Personalized Learning with Generative AI and LMS Integration

2. Team Members

- **Team Leader:** Harshini M
- **Team Member:** MohanaPriya
- **Team Member:** A. Akshaya S
- **Team Member:** Vaishnavi S

3. Project Description

This project focuses on creating a personalized learning tool that uses generative AI to enhance the learning experience. The "EduTutor AI" is designed to integrate with a Learning Management System (LMS) to provide customized assistance to students.

4. Key Features (Inferred from project title)

- **Personalized Learning:** The system tailors content and feedback to individual student needs and learning styles.
- **Generative AI:** It leverages powerful AI models to generate explanations, summaries, and new learning materials.
- **LMS Integration:** The tool connects with existing learning platforms to seamlessly provide its services within a familiar environment.
- **Adaptive Tutoring:** The AI acts as a tutor, responding to student queries and guiding them through complex topics.

5. Technical Stack (Inferred from project title)

While the provided document doesn't detail the technical stack, a project of this nature would likely involve:

- **Frontend:** A web framework like React, Angular, or Vue.js for a dynamic user interface.
- **Backend:** A robust framework such as Node.js, Python (with FastAPI/Flask), or Java (with Spring) to handle API requests and business logic.
- **AI Models:** Integration with large language models (LLMs) from providers like IBM Watsonx, Google, or OpenAI.
- **Database:** A database solution (e.g., MongoDB, PostgreSQL) to store student data, progress, and learning materials.
- **APIs:** A set of APIs to communicate between the frontend, backend, AI models, and the LMS.

This document summarizes the core components of your "EduTutor AI" project. It includes the team members and a high-level overview of what the project aims to accomplish based on its title.

Let me know if you would like me to add more details or generate a different type of document for you!