# **Project Design Phase Solution Architecture**

Date	26 JUNE 2025
Team ID	LTVIP2025TMID38096
Project Name	Edu-Tutor AI: Personalized Learning with
	Generative AI and LMS Integration
Maximum Marks	4 Marks

### **Solution Architecture: Edu-Tutor Al**

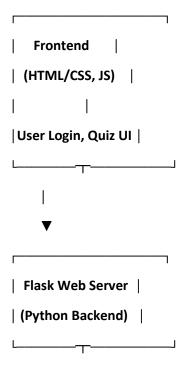
## What is Solution Architecture?

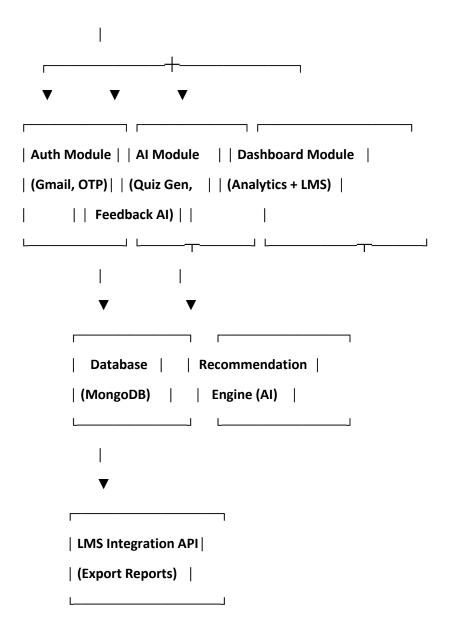
Solution architecture for Edu-Tutor AI defines the structure and technology stack used to solve the business problems in online education — specifically, personalization, tutor matching, and adaptive learning. It bridges your educational use case with a scalable, AI-powered technology solution.

#### Goals of Solution Architecture for Edu-Tutor Al:

- ✓ Identify the best combination of AI models, backend logic, and deployment technologies
- ✓ Describe the system behaviour, data flow, and user interaction to all stakeholders
- ✔ Define technical and non-functional requirements for implementation
- ✓ Guide the development phases through a clear architectural vision

## **Edu-Tutor AI – Architecture & Data Flow Diagram**





#### Reference:

**Voice Patient Diary – AWS Architecture** 

→ Adapted for Edu-Tutor AI to meet learning, recommendation, and deployment needs