

Project Design Phase Solution Architecture

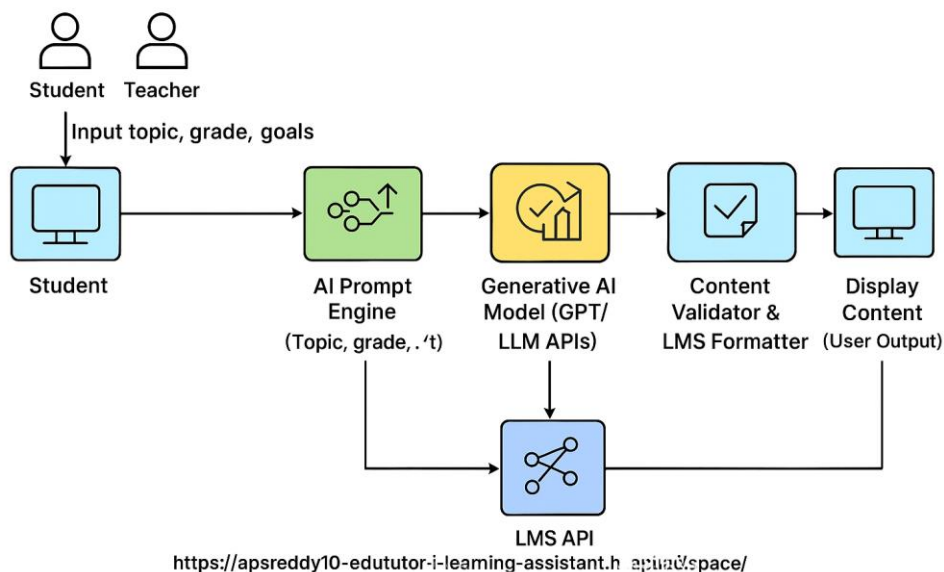
Date	27 June 2025
Team ID	LTVIP2025TMID30306
Project Name	EduTutor AI: Personalized Learning with Generative AI and LMS Integration
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is the strategic process of designing an effective and scalable technology system that addresses key learning challenges faced by students and educators. Its purpose includes:

- Selecting the optimal technology stack to personalize education through AI.
- Mapping out the interactions between modules like student input, AI processing, and LMS integration.
- engine), data services, and external APIs.
- Defining architectural layers and dependencies to guide phased development, deployment, and testing.

Solution Architecture



<https://apsreddy10-edututor-i-learning-assistant.hspace/>

Example - Solution Architecture Diagram:

Figure 1: Architecture and data flow of the edututor-ai-learning-assistant

Reference: <https://www.eworks.edu.au/newsroom/blogs-ai-powered-lms-the-future-of-personalized-learning>