**Project Design Phase**

**Problem – Solution Fit Template**

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| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID20451 |
| Project Name | EduTutor AI: Personalized Learning with Generative AI and LMS Integration |
| Maximum Marks | 2 Marks |

**Problem – Solution Fit EduTutor AI:**

**🎯 Problem**

Many students struggle to understand complex academic concepts on their own and lack the ability to assess their knowledge effectively. Despite the abundance of content online, these materials are often generic, not tailored to individual learning styles, languages, or needs. Simultaneously, educators lack tools to personalize instruction or quickly generate and evaluate assessments for each student. This gap leads to confusion, low confidence, poor academic performance, and overburdened educators.

**💡 Solution**

**EduTutor AI** is a personalized learning platform that uses generative AI to explain concepts in a simplified manner, offer grammar assistance (in Hindi and English), and automatically generate quizzes and tests from topics or uploaded PDFs. It includes:

* Concept explanations tuned for age and subject level
* Language learning with grammar rules and examples
* Test and quiz generators
* Login-based classrooms with session tracking per student

This solution directly addresses students' needs for clarity, practice — while reducing effort for educators in content preparation.

**Template:**

