

## Project Design Phase

### Problem – Solution Fit Template

Date	27 June 2025
Team ID	LTVIP2025TMID32976
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
- MCQ'S generators

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

#### Template:

Define CS / IK into CC  Focus on Jn op into Be RC	<b>1. CUSTOMER SEGMENT(S)</b> High school & college students, self-learners, teachers	<b>CS</b>	<b>6. CUSTOMER CONSTRAINTS</b> Limited time, no access to tutors, no feedback, poor app quality	<b>CC</b>	<b>5. AVAILABLE SOLUTIONS</b> YouTube videos, ChatGPT textbook quizzes—but not personalized or syllabus specific	
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> Want a personalized learning tool to understand topics and get assessed easily	<b>JP</b>	<b>9. PROBLEM ROOT CAUSE</b> Jump between platforms, ask friends, use ChatGPT, watch	<b>BE</b>	<b>7. BEHAVIOUR</b> Jump between platforms, ask friends, use ChatGPT watch videos	<b>AS</b>
	<b>3. TRIGGERS</b> Struggle in test preparation lack of teacher feedback, poor results	<b>TR</b>	<b>4. EMOTIONS: BEFORE / AFTER</b> Generic tools don't adapt to individual learning styles or content needs		<b>8. CHANNELS OF BEHAVIOUR</b> Online: Google, YouTube, EdTech forums  Offline: Peer study groups, handwritten notes	<b>CH</b>
	<b>4. EMOTIONS: BEFORE / AFTER</b> Before: Confused, anxious about exams After: Confident, motivated to learn	<b>EM</b>	<b>10. YOUR SOLUTION</b> EduTutor AI; Personalized AI tutor for concept explanation, grammar, and quiz generation		<b>10. YOUR SOLUTION</b> EduTutor AI: Personalized AI tutor for concept explanation, grammar, and quiz generation (PDF/topic-based)	<b>SL</b>