

Project Design Phase

Problem – Solution Fit Template

Date	27 February 2025
Team ID	LTVIP2025TMID30136
Project Name	EduTutor AI: Personalized Learning with Generative AI and LMS Integration
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

Purpose:

- ☐ Solve complex problems in a way that fits the state of your customers.
- ☐ Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.
- ☐ Sharpen your communication and marketing strategy with the right triggers and messaging.
- ☐ Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
- ☐ **Understand the existing situation in order to improve it for your target group.**

Template:

1. CUSTOMER SEGMENT(S) <ul style="list-style-type: none"> School and college students (13–24 yrs) Teachers and tutors Lifelong learners a self-study enthusiast 	2. JOBS-TO-BE-DONE / PROBLEMS <ul style="list-style-type: none"> Need help understanding complex topics Auto-generated quizzes for self-assessment Need to summarize long PDFs/notes Quick grammar fixes and word explanations Language translation for diverse learners 	5. AVAILABLE SOLUTIONS AS <ul style="list-style-type: none"> Manual studying, books, YouTube Flashcard apps (Anki), Grammarly, Google Translate Lack of digital literacy (for some educators)
3. TRIGGERS TR <ul style="list-style-type: none"> Student(s) struggling to study alone Seeing AI in education apps Deadline pressure (exams, assign) Wanting smarter, faster tools 	4. BEHAVIOUR <ul style="list-style-type: none"> Look up notes (videos) Try chatbots or AI summaries Poor internet (in rural areas) Lack of digital literacy (for some educators) 	7. BEHAVIOUR BE <ul style="list-style-type: none"> Look up notes/videos Try chatbots or AI summaries Use Google Translate, Grammarly, basic MCQs online Download PDFs from teachers, rarely take structured quizzes
4. EMOTIONS (BEFORE / AFTER) <ul style="list-style-type: none"> Learning is not adaptive or personalized No single tool covers summarizing, refining, quiz generation & progress 	8. PROBLEM ROOT CAUSE <ul style="list-style-type: none"> Learning is not adaptive or personalized No single tool covers summarizing, refining, quiz generation & progress tracking Students can't track weaknesses or improve efficiently 	10. YOUR SOLUTION SE Edu-Tutor AI is AI powered platform <ul style="list-style-type: none"> Auto quiz generation from topics/PDFs Smart feedback and weak area analysis Summarizer, grammar refiner, word helper, and translator Seamless UI via Gradio (low friction users) Progress dashboard & personalization
8. CHANNELS OF BEHAVIOUR CH <ul style="list-style-type: none"> 81 ONLINE Google, YouTube ChatGPT, PDF readers Mobile apps 	10. YOUR SOLUTION Edu-Tutor AI: AI-powered platform offering auto quiz generation offering	