🎓 Project Design Phase – Problem–Solution Fit

📅 Date: *28 June 2025*
📌 Project Name: *EduTutor AI – Personalized AI Learning Assistant*
🆔 Team ID: LTVIP2025TMID35893
📊 Maximum Marks: *2 Marks*

🧩 Problem – Solution Fit Template

❗ The Problem

🟥 *Students often struggle with personalized learning due to a lack of adaptive educational tools.*

🟥 *One-size-fits-all approaches in classrooms fail to cater to individual learning paces, leading to gaps in understanding, disengagement, and poor academic outcomes.*

💡 The Solution

🟩 *EduTutor AI is a generative AI platform that delivers personalized, real-time tutoring for students across subjects.*

🟩 *It uses large language models to simulate 1:1 tutoring, adapting to a student's pace and learning style.*

🟩 *It also provides insights for educators to track progress and intervene when needed.*

🎯 Purpose of the Solution

- ◆ Personalize learning at scale to support students with varying academic abilities.

- ◆ Provide round-the-clock tutoring support without human intervention.

- ◆ Help educators make data-driven decisions on student performance.

- ◆ Enhance student confidence and academic performance with tailored assistance.

🏆 Value Proposition

- 🟢 *Students receive 24/7 personalized guidance.*

- 🟢 *Teachers gain visibility into learning gaps and patterns.*

- 🟢 *Schools benefit from improved academic outcomes and engagement.*

- 🟢 *Developers can integrate the system into existing LMS platforms.*

🔄 Problem–Solution Behavior Fit

🧠 Behavior	🤖 EduTutor AI Fit
Need help outside classroom hours	24/7 real-time tutoring via AI
Learn at own pace	Adaptive content and responses based on skill level
Prefer typing or chatting	Conversational chatbot interface
Want encouragement and feedback	Sentiment-aware response system
Avoid seeking help publicly	Private and personalized interactions on mobile/PC