Ideation Phase
Define the Problem Statements

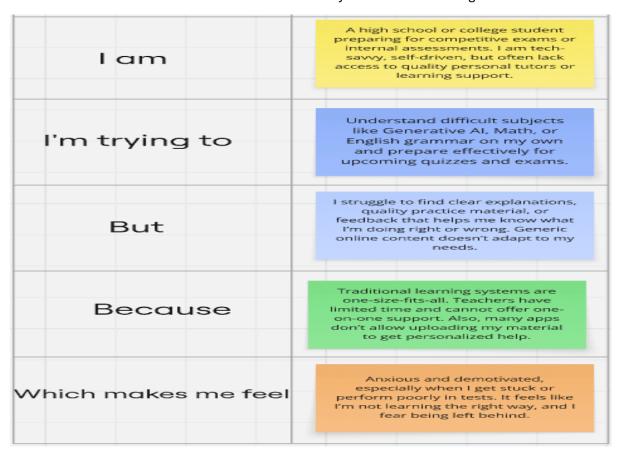|	
Date	26 June 2025
Team ID	LTVIP2025TMID31153
Project Name	Edu Tutor AI: Personalized Learning with Generative AI and LMS Integration
Maximum Marks	2 Marks

Customer Problem Statement Edu Tutor AI:

Today's education system strains under the weight of complex subjects and generic learning tools. Students struggle for personalized understanding, while educators grapple with manual quiz creation.

Edu Tutor AI is the answer. Our personalized AI tutor delivers:

- **Customized Concept Breakdown:** Explanations simplified for any age level.

- **Bilingual Grammar & Language:** Support in English and Hindi.

- **Smart Quiz Generation:** Automated tests from PDFs and topics.

"Clear, self-paced learning for students; scalable, personalized education for teachers – all without the extra effort. This solution *redefines* effective learning."

I am	A high school or college student preparing for competitive exams or internal assessments. I am tech-savvy, self-driven, but often lack access to quality personal tutors or learning support.
I'm trying to	Understand difficult subjects like Generative AI, Math, or English grammar on my own and prepare effectively for upcoming quizzes and exams.
But	I struggle to find clear explanations, quality practice material, or feedback that helps me know what I'm doing right or wrong. Generic online content doesn't adapt to my needs.
Because	Traditional learning systems are one-size-fits-all. Teachers have limited time and cannot offer one-on-one support. Also, many apps don't allow uploading my material to get personalized help.
Which makes me feel	Anxious and demotivated, especially when I get stuck or perform poorly in tests. It feels like I'm not learning the right way, and I fear being left behind.

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a dedicated high school student on the cusp of crucial exams	demystify complex subjects and solidify my understanding for optimal revision	I frequently hit a wall – explanations lack clarity and I receive no concrete feedback on my progress	the digital learning landscape is a vast ocean of generic content, and one-on-one teacher guidance is a rare luxury	disheartened, adrift in uncertainty, and fearing I'm falling behind
PS-2	an overwhelmed teacher striving to make a profound difference for every student	craft truly individualized learning paths and assess understanding with precision	the sheer volume of preparing and grading tailored assessments for each unique learner consumes all my capacity	the current manual grind of test creation and evaluation stifles my ability to offer truly impactful, personalized instruction	exhausted, constrained in my pedagogical potential, and concerned about student engagement