**Ideation Phase**

**Define the Problem Statements**

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| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID36180 |
| Project Name | Personalised learning with generative AI and Lms Integration |
| Maximum Marks | 2 Marks |

**Customer Problem Statement:**

In today’s digital learning environment, **students** and **educators** face a growing need for **personalized, data-driven educational tools**—yet existing platforms fall short in addressing this demand.

**The Problem:**

* **Students** often receive the same content and assessments regardless of their individual skill levels, learning pace, or academic needs.
* **Educators** lack the time and tools to manually personalize instruction, track performance in real time, or adapt content based on evolving student progress.
* Popular LMS platforms like **Google Classroom**, while useful for managing assignments and class structure, do not offer intelligent features like adaptive quizzes, AI-driven feedback, or deep performance insights.

**Example:** Mr. Arjun, a middle school math teacher, uses Google Classroom to assign homework and quizzes. However, he finds it difficult to identify which students are struggling until exam results come in. He wants to personalize assignments but doesn’t have time to create different quizzes for each student.

One of his students, Aisha, is good at algebra but weak in geometry. She keeps getting standard quizzes that cover both topics equally. She doesn’t get targeted practice, and her geometry skills continue to decline unnoticed. Mr. Arjun is unaware of this gap because his dashboard only shows overall scores—not topic-specific performance.

**What Customers Need:**

Educators like Mr. Arjun and students like Aisha need a smarter platform that:

* **Automatically syncs with Google Classroom**
* **Generates personalized quizzes** based on student performance
* **Provides instant feedback** to accelerate learning
* **Gives teachers real-time insights** to adapt instruction effectively

**EduTutor AI** addresses these needs by combining generative AI, adaptive testing, and seamless LMS integration—bridging the gap between static content delivery and dynamic, personalized education.