**Ideation Phase**

**Brainstorm**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID36180 |
| Project Name | Personalised learning with generative AI and Lms Integration |
| Maximum Marks | 4 Marks |

**Brainstorm**

**EduTutor AI — Enhancing Personalized Learning**

**💡 1. User Experience & Engagement**

* **Student Learning Streaks:** Encourage daily learning with badges or streak counters.
* **Gamification:** Add leaderboards, quiz challenges, or mini-games tied to course content.
* **Voice Interaction:** Enable students to answer or ask questions via voice (speech-to-text).
* **Micro-tutoring Mode:** Quick 2–3 minute revision sessions based on last topic attempts.
* **Multilingual Support:** Localize quizzes and content for broader access.

**📊 2. Educator Tools & Insights**

* **Custom Quiz Templates:** Allow teachers to edit AI-generated quizzes or add their own questions.
* **Topic Heatmaps:** Visual maps showing which subjects or concepts most students struggle with.
* **Performance Alerts:** Automatic alerts for students falling behind or showing improvement trends.
* **Collaboration Dashboard:** Co-teaching tools and shared analytics for team-teaching models.

**🤖 3. AI & Content Generation**

* **Concept Reinforcement Loop:** If a student struggles, AI auto-generates simplified content and follow-up questions.
* **Explain Like I’m 5 (ELI5) Mode:** AI-generated content simplified for basic understanding.
* **Multimodal Support:** Generate not just quizzes but visual aids, flashcards, or mind maps.
* **Feedback Tone Adjustment:** Let students choose feedback style (supportive, neutral, direct).

**🔗 4. Integrations & Data Sync**

* **Microsoft Teams Integration:** Extend LMS compatibility beyond Google Classroom.
* **Parent Portal:** Share student progress, learning goals, and feedback summaries with guardians.
* **Curriculum Upload:** Teachers upload syllabi, and AI generates content aligned to learning outcomes.
* **API for External Tools:** Allow third-party edtech tools or apps to plug into EduTutor AI.

**🔮 5. Future-Forward Ideas**

* **AI Tutor Avatar:** A virtual assistant that explains answers, tracks goals, and motivates students.
* **Learning Path Generator:** AI crafts a multi-week learning plan based on syllabus and diagnostics.
* **Offline Mode:** Cache quizzes and content for areas with poor connectivity.
* **Data for Accreditation:** Summarize learning outcomes to support school reports or accreditation processes.