Ideation Phase
Brainstorm & Idea Prioritization Template

Date	27 June 2025
Team ID	LTVIP2025TMID32116
Project Name	EduTutor AI: Personalized Learning with Generative AI and LMS Integration
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization :

Step-1: Team Gathering, Collaboration and Select the Problem Statement

- **Participants**: Educators, students, developers, UI/UX designers, and AI researchers
- **Objective**: Understand the current problems in digital learning from both educator and student perspectives
- **Activities**:
- Group discussions and empathy interviews
- Analysis of existing tools (e.g., Google Classroom limitations)
- Persona creation (e.g., struggling student, time-bound educator)
- **Outcome**:
- Finalized Problem Statement:

"Students lack personalized, syllabus-aligned learning tools, while educators lack actionable insights into student performance and engagement."

Step-2: Brainstorm, Idea Listing and Grouping

Idea Generation – Raw List

- Personalized quiz generation from course content
- Real-time feedback after each quiz
- Adaptive difficulty level adjustment
- Google Classroom sync for syllabus/topic alignment
- Educator dashboard with performance heatmaps
- AI-powered diagnostic test on sign-up

Idea Grouping – Thematic Buckets

Group	Themes
Learning Personalization	Custom quizzes, adaptive difficulty, AI diagnostics, topic suggestions
Educator Tools	Dashboard, performance insights, trend analysis via Pinecone
Integration & Automation	Google Classroom sync, auto-topic detection, curriculum mapping

Motivation & Progress	Badges, milestones, visual progress tracking

Step-3: Idea Prioritization