

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	27 June 2025
Team ID	LTVIP2025TMID30145
Project Name	EduTutor AI: Personalized Learning with Generative AI and LMS Integration
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: <https://www.mural.co/templates/brainstorm-and-idea-prioritization>


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

Problem Statement:

Students across different grades and backgrounds often face challenges in understanding concepts, solving problems, and accessing personalized guidance. There is a need for a smart educational assistant that can dynamically address subject-specific doubts, analyze homework, generate quizzes, and offer study plans based on student progress.

Team Collaboration:

Our team discussed the major challenges faced by students and educators. We gathered inputs from academic advisors, teachers, and students. The consensus was to create a unified AI-powered tutor that integrates with LMS systems and supports multiple subjects.



Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

🕒 10 minutes to prepare
🕒 1 hour to collaborate
👥 2-8 people recommended

➡️

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕒 10 minutes

A Team gathering
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B Set the goal
Think about the problem you'll be focusing on solving in the brainstorming session.

C Learn how to use the facilitation tools
Use the Facilitation Superpowers to run a happy and productive session.

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Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

🕒 5 minutes

PROBLEM

How might we [your problem statement]?

Key rules of brainstorming

To run a smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

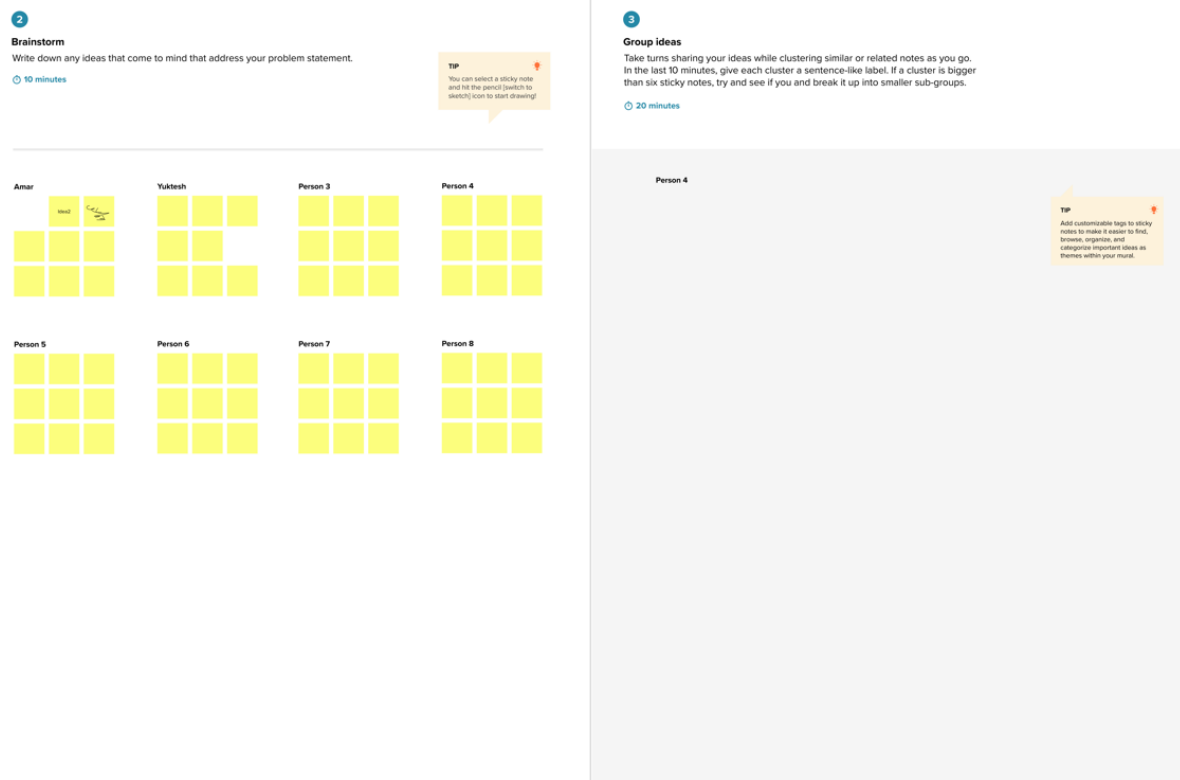
Step-2: Brainstorm, Idea Listing and Grouping

Idea Listing:

- AI Tutor that answers student doubts using the IBM Granite model.
- Homework analysis feature that provides feedback and step-by-step solutions.
- Quiz generator that allows students to self-assess.
- Study plan creator based on selected topic, subject, and timeline.
- Progress tracking dashboard with analytics for improvement.

Grouping:

- AI Tutoring → Model Integration & Prompt Engineering
- Homework & Quiz → Evaluation & Feedback Systems
- Study Plans & Progress → Adaptive Learning Engine



Step-3: Idea Prioritization

Priority Ideas Selected:

1. AI-powered dynamic doubt solving (High Impact, Immediate Value)
2. Comprehensive homework analyzer (Medium-Term Value, High Engagement)
3. Quiz generation and evaluation (Quick wins, Essential for self-assessment)
4. Study plan creator with time estimates (Medium-Term, Sustained Learning)
5. Student progress tracking with analytics (Long-Term Value, Personalization)

We prioritized based on student impact, ease of implementation, and integration value with LMS.

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Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

