

Ideation Phase

Brainstorm & Idea Prioritization Template


Date	26 June 2025
Team ID	LTVIP2025TMID32976
Project Name	EduTutor AI: Personalized Learning with Generative AI and LMS Integration
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization EduTutor AI:

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.


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


Template





EduTutor AI: Personalized Learning with Generative AI and LMS Integration

EduTutor AI is a generative AI-powered educational platform that offers personalized concept explanations, grammar assistance in Hindi and English, and automatic quiz/test generation from user-provided topics or PDFs. It features login-based classroom access and session tracking per user.

 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

 Team gathering

Our team includes 4 members, each with a background in computer science and an interest in educational technology. We decided to explore ways to enhance the learning process using artificial intelligence. Each member came prepared with real-world issues students face during independent study.

 Set the goal

The goal of this session is to identify a meaningful problem in the education sector and generate ideas on how AI can help. We wanted to focus on a solution that could assist students in understanding complex concepts, practicing language, and generating self-assessments automatically.

 Learn how to use the facilitation tools


We reviewed basic brainstorming techniques like sticky-note clustering and digital whiteboarding using tools like Miro and Google Jamboard.

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1


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 help students learn independently through personalized AI-powered concept explanations, grammar assistance, and automated assessments?





Key rules of brainstorming


To run a smooth and productive session


 Stay in topic.

 Encourage wild ideas.

 Defer judgment.

 Listen to others.

 Go for volume.

 If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

2 Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

Person 1

MCQ Quiz App
Make a basic quiz app that lets students answer multiple-choice questions by topic.

Flashcard Generator
Build a tool where students can enter key terms and definitions to generate flashcards.

Person 2

Subject Suggestion Tool
Create a form that asks about a student's interests and suggests subjects or careers they might enjoy.

Progress Tracker
Design a chart or simple app that tracks completed lessons and quiz scores.

3 Group Ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

Personalised Learning

Custom sequences of learning experiences that suit each student's progress and interests.

☐ Topic Explanation

- You get to learn at your own pace.
- You focus more on what you need help with.
- You build confidence because you're learning in a way that fits you.

Practice MCQs: Personalized Learning

MCQs are a quick and effective way to check if students understand key concepts

Step-3: Idea Prioritization

