Brainstorm & Idea Prioritization Template – EduTutor AI

Date: 20 June 2025

Team ID: LTVIP2025TMID32094

Project Name: EduTutor AI – Personalized Learning with Generative AI

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.

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

- Problem Chosen: Lack of personalized learning and adaptive assessments in traditional classroom and online learning environments.  
- Goal: Design a generative AI-powered educational assistant that helps students learn and practice based on their individual learning level and progress.

## Step 2: Brainstorm, Idea Listing and Grouping

|  |  |
| --- | --- |
| Idea | Group |
| Use AI to generate quizzes dynamically from student-input text | AI-Powered Learning |
| Integrate Google Classroom for seamless teacher-student connectivity | Platform Integration |
| Develop a dashboard for educators to view student progress | Analytics |
| Save learning content in a personal library | Personalization |
| Use Pinecone to store quiz attempts and generate adaptive suggestions | Memory & Intelligence |
| Provide learning modules along with quizzes for knowledge building | AI-Powered Learning |
| Offer student and educator role-based experiences | User Management |
| Use IBM Watsonx and Granite model for quiz and module generation | Backend AI Infrastructure |

## Step 3: Idea Prioritization

|  |  |  |  |
| --- | --- | --- | --- |
| Idea | Feasibility | Impact | Priority |
| AI-generated quizzes | High | High | Must Do |
| Google Classroom sync | Medium | High | Must Do |
| Educator dashboard | High | Medium | Must Do |
| courses | High | Medium | Must Do |
| Adaptive quiz suggestions using Pinecone | Medium | High | Should Do |
| Personalized learning modules | High | High | Must Do |
| Role-based UI | High | Medium | Must Do |
| Use IBM Watsonx API | High | High | Must Do |