Proposed Solution – EduTutor-AI

Project Design Phase

Date: 28 June 2025

Team ID: LTVIP2025TMID31982

Project Name: EduTutor-AI: Personalized AI Tutoring Platform

Maximum Marks: 2 Marks

Proposed Solution Template:

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| S. No | Parameter | Description |
| 1 | Problem Statement (Problem to be solved) | Students face difficulties in getting personalized learning support, resolving doubts instantly, and receiving structured revision help across multiple subjects. Traditional online learning platforms lack interactivity and adaptiveness. |
| 2 | Idea / Solution description | EduTutor-AI is an AI-powered virtual tutor designed to provide personalized academic assistance. It enables students to upload questions, access structured answers, receive conceptual summaries, and get real-time tutoring across multiple subjects. The platform is built using Streamlit with backend AI powered by large language models and document processing libraries. |
| 3 | Novelty / Uniqueness | Unlike standard e-learning platforms, EduTutor-AI leverages AI to analyze uploaded materials (images, PDFs), generate answers with explanations, and provide topic-based learning aids. It acts like a private tutor tailored to individual learning styles. |
| 4 | Social Impact / Customer Satisfaction | EduTutor-AI empowers students, especially from underserved backgrounds, with affordable, round-the-clock tutoring support. It democratizes education by providing intelligent, accessible academic help regardless of geographical or financial limitations. |
| 5 | Business Model (Revenue Model) | Freemium model: Core tutoring and Q&A features are free. Premium features such as subject-specific packs, analytics dashboards, and teacher collaboration tools are subscription-based. Target market includes school students, coaching centers, and online education platforms. |
| 6 | Scalability of the Solution | EduTutor-AI is modular and scalable via cloud deployment. It can handle increasing user load, support multilingual interactions, and integrate with LMS (Learning Management Systems) for broader institutional adoption. |