**Project Design Phase**

**Proposed Solution Template**

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| Date | 27-june-2025 |
| Team ID | LTVIP2025TMID31213 |
| Project Name | EduTutor-AI-  Personalized-Learning-with-Generative- AIand-LMS-Integration |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in the proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Traditional Learning Management Systems (LMS) often lack personalized learning experiences. Students receive uniform content and minimal individualized support. |
| 2. | Idea / Solution description | EduTutor-AI integrates Generative AI with LMS platforms to deliver personalized tutoring. The solution includes an AI chatbot for real-time student support, dynamic quiz generation, content recommendations, and an analytics dashboard for performance tracking. It bridges the gap between static content and adaptive learning. |
| 3. | Novelty / Uniqueness | Unlike conventional LMS add-ons, EduTutor-AI uses generative AI (OpenAI GPT models) to adaptively generate content, explanations, and quizzes based on each learner’s performance. It provides a seamless LMS integration, real-time AI tutoring, and intelligent analytics, offering a fully personalized learning experience. |
| 4. | Social Impact / Customer Satisfaction | EduTutor-AI democratizes access to highquality personalized education. It empowers students to learn at their own pace and helps teachers manage workloads effectively. The system increases learner engagement, satisfaction, and academic performance, especially in under-resourced educational environments. |
| 5. | Business Model (Revenue Model) | Freemium Model: Basic features free for students/teachers; premium for advanced AI tools and analytics.  - Institutional Licensing: LMS plugin subscriptions for schools, universities, and elearning platforms. |
| 6. | Scalability of the Solution | The solution is highly scalable due to its modular architecture and cloud-based AI integration. It can support K-12, higher education, corporate training, and multilingual |
|  |  | markets. Future expansion may include mobile apps, offline features, and integrations with AR/VR for immersive learning. |