**Project Design Phase**

**Proposed Solution Template**

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| Date | 05 July 2025 |
| Team ID | LTVIP2025TMID35592 |
| Project Name | EduTutor AI: Personalized Learning With Generative AI And 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** |
|  | Personalized Learning Paths | Tailors curriculum and content delivery based on each learner’s profile, strengths, and progress. |
|  | Generative AI Content Creation | Automatically generates lessons, quizzes, assignments, and explanations adapted to individual learner needs. |
|  | LMS Integration | Seamlessly embeds AI-generated content into Learning Management Systems like Moodle, Canvas, or Google Classroom. |
|  | Real-Time Analytics | Provides instructors with dashboards showing learner performance, engagement levels, and content effectiveness. |
|  | Automated Feedback & Assessment | Delivers instant grading and constructive feedback for assignments and quizzes, reducing instructor workload. |
|  | Adaptive Learning Loop | Continuously updates learning material and pacing based on real-time interaction, learner improvement, and feedback loops. |