Date	01 JULY 2025
Team ID	LTVIP2025TMID38204
Project Name	**Edututor AI: PERSONALIZED LEARNING WITH GENERATIVE AI And LMS INTEGRATION**
Maximum Marks	2 Marks

Proposed Solution Template – EduTutor AI

S.No.	Parameter	Description
1.	**Problem Statement (Problem to be solved)**	Students and educators face challenges with generic, one-size-fits-all digital education platforms. Learners struggle to receive personalized support, while educators are burdened with manual tasks and limited tools for adaptive instruction. There is also a lack of intelligent integration between generative AI capabilities and existing Learning Management Systems (LMS).
2.	**Idea / Solution Description**	EduTutor AI is an intelligent learning platform that combines generative AI with personalized learning pathways, seamlessly integrated into existing LMS platforms. It delivers adaptive tutoring, automated content creation, real-time assessments, and progress analytics to students and educators. The AI tutor interacts conversationally, understands learner needs, and customizes content delivery to optimize engagement and retention.
3.	**Novelty / Uniqueness**	- Deep LMS integration with AI-generated, personalized content and real-time feedback

- 24/7 conversational tutoring with context-aware generative responses
- Teacher-assist tools for automated grading, quiz creation, and feedback suggestions
- Hybrid AI-human support model for enriched learning outcomes
- Designed for multiple verticals: K-12, higher ed, and corporate training environments |
| 4. | **Social Impact / Customer Satisfaction** | - Enhances access to quality education through personalized learning
- Reduces educator workload and burnout
- Increases student engagement, learning outcomes, and digital literacy
- Supports inclusive education by adapting to diverse learning styles and paces
- Encourages continuous learning culture in both academic and corporate settings |
| 5. | **Business Model (Revenue Model)** | - Subscription-based model for institutions (schools, universities, corporates)
- Tiered pricing based on number of users and feature access
- Licensing to LMS vendors or partners
- Freemium model for individual users with premium feature upgrades |
| 6. | **Scalability of the Solution** | EduTutor AI is cloud-based and designed to integrate with major LMS platforms (e.g., Moodle, Canvas, Blackboard), making it

scalable across global education markets. The generative AI core enables rapid localization, multi-language support, and adaptability to different curricula. Its modular architecture allows easy deployment for small institutions or large educational networks alike.