**Project Design Phase**

**Problem – Solution Fit 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 |

💡 Problem – Solution Fit:

Traditional educational delivery struggles with limitations such as static content, manual grading, non-personalized instruction, and limited feedback loops. These barriers hinder learner engagement and overburden educators with repetitive tasks.  
Edututor Ai addresses this by integrating Generative AI into LMS platforms to personalize content creation, automate assessments, and provide real-time insights—turning generalized instruction into tailored, dynamic learning journeys that boost outcomes and reduce educator workload.

🎯 Purpose:

* Solve education delivery challenges by aligning AI automation with current LMS and instructional workflows.
* Boost adoption by integrating with familiar tools like lesson PDFs, natural language prompts, and interactive modules.
* Enhance learning outcomes with structured outputs like AI-generated quizzes, progress reports, and tailored lesson plans.
* Build trust by addressing educator pain points such as repetitive grading, static content, and lack of real-time insights.
* Improve teaching strategies by learning from real-world learner data, engagement patterns, and instructional gaps.

**Template:**

A multicolored rectangular chart with text

AI-generated content may be incorrect.

References:

1. 🔗 [https://www.researchgate.net](https://www.researchgate.net/)
2. 🔗 [https://www.educause.edu](https://www.educause.edu/)