

Project Design Phase
Problem – Solution Fit Template

Date	18-06-2025
Team ID	LTVIP2025TMID53232
Project Name	LearnHub
Maximum Marks	2 Marks

Problem – Solution Fit Overview:

The Problem–Solution Fit ensures that **LearnHub** addresses the critical gaps in online learning and skill development, aligning with the real needs of students, teachers, and administrators. This validation is essential before scaling the platform.

Purpose:

- Bridge the gap between learners seeking structured skill development and educators looking for a reliable teaching platform.
- Offer a **unified system** for course creation, enrollment, assessments, and certification without relying on multiple tools.
- Enable secure payments for premium courses and provide free basic resources to democratize learning.
- Provide **personalized learning paths** with recommendations based on skill level and career goals.
- Improve engagement and success rates through **interactive learning**, progress tracking, and gamification features. **Problem Statement:**

Learners and educators face challenges such as:

- Limited access to structured, quality skill enhancement programs.
- Lack of **personalized and scenario-based learning experiences**.
- Scattered platforms for content delivery, communication, and assessment.
- Difficulty for teachers in managing courses and tracking student progress.
- Lack of **centralized certification and career development opportunities**.

Solution:

- **LearnHub**, an advanced MERN-based online learning platform, offers:
- End-to-end **course management**: creation, publishing, enrollment, and completion tracking.
- **User roles** (Student, Teacher, Admin) with dedicated dashboards.
- Interactive modules including **quizzes, assignments, and scenario-based learning**.
- **Certificate generation** upon course completion.

- Secure **payment gateway integration** for premium courses.
- AI-driven **personalized course recommendations** based on learning history.