**✅ Problem – Solution Fit Template**

**Date:** 15 February 2025  
**Team ID:** LTVIP2025TMID49959  
**Project Name:** Your Center for Skill Enhancement (Online Learning Platform)  
**Maximum Marks:** 2 Marks

**Problem Statement**

* Traditional learning environments lack flexibility and accessibility.
* Students and professionals struggle to access quality learning resources due to time constraints, geographical barriers, and costs.
* Limited interactivity and engagement in traditional or basic online learning systems.
* Absence of centralized platforms providing:
  + Course creation
  + Progress tracking
  + Certificates
  + Secure payments for premium learning content

**Current Behavior / Context**

* Students rely on scattered resources like YouTube or offline classes.
* Working professionals cannot find time for structured learning.
* Educators face difficulties managing content and reaching wider audiences.
* No single system effectively combines learning, payments, certification, and community.

**Proposed Solution**

* Develop a **full-stack Online Learning Platform (OLP)** using the MERN stack.
* **Key features:**
  + Role-based dashboards for Students, Teachers, Admins
  + Interactive course management
  + Progress tracking and reporting
  + Digital certificate generation
  + Secure payment integration via Stripe
  + Discussion forums for engagement
  + Responsive UI for desktop and mobile

**Why This Solution Works**

✅ Solves the problem of fragmented learning by centralizing resources.  
✅ Provides flexibility and convenience for both learners and educators.  
✅ Increases trust with certification and secure payments.  
✅ Supports self-paced learning and interactivity.  
✅ Scalable for future enhancements like video streaming, analytics, and social login.

**Purpose of Solution**

* Solve complex problems around accessibility and flexibility in learning.
* Boost adoption of online learning through seamless user experience.
* Sharpen communication and marketing by addressing urgent learning needs.
* Build trust with learners and educators by solving frequent pain points.
* Improve the current state of online learning for a diverse audience.

**Flowchart Diagram – Problem to Solution Fit**

Below is a simple flowchart that connects your project’s **problem space** to its **solution space**:

**Flowchart (Textual Representation)**

pgsql

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[ Students & Professionals face barriers to learning ]

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[ Traditional education is rigid, lacks interactivity ]

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[ Fragmented online resources with no central management ]

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[ Key Problems Identified ]

↙ ↓ ↘

[Lack of flexibility] [No certificates] [No payment integration]

↘ ↓ ↙

[ User frustration & low learning outcomes ]

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[ Proposed Solution: OLP Platform ]

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[ Features ]

- User Roles

- Course Management

- Interactive UI

- Certificate Generation

- Secure Payments

- Responsive Design

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[ Outcomes ]

- Easy access to quality learning

- Flexibility for all users

- Trusted platform with revenue options

- Scalability for future growth

**Optional Visual Diagram (If you want to draw it in Word or PPT)**

**Problem Space:**

* Rigid traditional learning
* No certification or progress tracking
* Scattered resources
* No secure payment for premium content

→ **Solution Space:**

* Online platform centralizing all learning
* Interactive courses and dashboards
* Digital certification
* Stripe payment integration
* Discussion forums for engagement

→ **Outcome:**

* High adoption
* Flexible self-paced learning
* Engaged learners
* Trusted learning ecosystem

**References**

1. [Idea Hackers: Problem-Solution Fit Canvas](https://www.ideahackers.network/problem-solution-fit-canvas/)
2. [Medium: Problem-Solution Fit Canvas](https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe)