# Project Design Phase Problem – Solution Fit Template

Date	25 JUNE 2025
Team ID	LTVIP2025TMID59527
Project Name	Smart SDLC- AI Enhnced Software Development LifeCycle
Maximum Marks	2Marks

#### **Problem – Solution Fit Template:**

SmartSDLC addresses a core challenge faced by modern software teams—managing requirements, writing code, and creating tests across fragmented tools. By offering an Al-powered unified platform, it streamlines the entire SDLC workflow. The solution directly aligns with developers' day-to-day behaviors, minimizing manual work and enhancing productivity. It fits naturally into existing agile environments with minimal disruption and high value.

#### **Purpose:**

- Identify real, recurring developer pain points
- Align solution with actual user behavior and workflow
- Accelerate adoption by reducing friction and learning curve
- Increase trust with a privacy-first, local AI model
- Enhance communication with clear SDLC outputs

#### Template:

## \*Problem

State the main pain point

Mention the inefficiency or

frustration

Describe the urgency or impact

## Target Customer

Who is experiencing this problem?
What role(s) do they play?
In what environment (startup,
enterprise, agile team, etc.)?

# **Current Behavior**

What are users currently doing to solve this?
What tools or workflows do they use?
What's broken, slow, or outdated?

# **✓** Proposed Solution

What does your product/platform do?

How does it solve the exact problem?

What features deliver value quickly?

### Why It Fits

- · Aligns with user habits or workflows
- Easy to adopt with low friction
- Solves high-frequency or high-impact issues
- Feels intuitive or seamless to the user