Project Design Phase
Problem – Solution Fit Template

Date	15 February 2025
Team ID	LTVIP2025TMID29410
Project Name	Smart SDLC using Generative AI on IBM Cloud
Maximum Marks	2 Marks

Problem – Solution Fit :

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

Purpose:

- Streamline and enhance the Software Development Life Cycle (SDLC) using Generative AI tools on IBM Cloud.
- Address inefficiencies, communication gaps, and manual effort within traditional SDLC models.
- Automate repetitive tasks (e.g., documentation, code generation, testing) and provide intelligent decision support throughout development phases.
- Reduce development cycle time while maintaining high code quality and adherence to compliance norms.

Template:

Problem	Solution
Manual SDLC processes, delays, inefficiency	Smart SDLC using Generative AI + IBM Cloud tools

Target Users	Benefits
Developers DevOps teams Project Managers	• Faster development cycles • Automated documentation & testing • AI-assisted decision-making

BI **watsonx**

DevOps on IBM Cloud   node.js   mongoDB

CI/CD pipelines