**Project Design Phase**

**Problem – Solution Fit Template**

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| Date | 25 June 2025 |
| Team ID | LTVIP2025TMID30212 |
| Project Name | SmartSDLC – AI-enhanced Software Development Lifecycle |
| Maximum Marks | 2 Marks |

**Problem – Solution Fit Template:**

The Problem–Solution Fit framework helps identify if the proposed AI-based solution in SmartSDLC truly addresses real pain points faced by software development teams. In this context, the solution leverages generative AI (WatsonX) to enhance documentation, reduce development time, and automate repetitive coding or project documentation tasks. This alignment ensures the innovation serves the intended target group effectively and meaningfully.

**Purpose:**

* Solve complex problems in a way that fits the state of your customers.
* Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.
* Sharpen your communication and marketing strategy with the right triggers and messaging.
* Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
* **Understand the existing situation in order to improve it for your target group.**

**Template:**

