**Ideation Phase**

**Define the Problem Statements**

|  |  |
| --- | --- |
| Date | 31 January 2025 |
| Team ID |  |
| Project Name | SmartSDLC – AI-Enhanced Software Development Lifecycle |
| Maximum Marks | 2 Marks |

The **Customer Problem Statement Template** for **SmartSDLC** is designed to help teams deeply understand the challenges faced by software development teams, product managers, or clients during the SDLC process. By clearly articulating the customer’s pain points, this template allows the team to stay focused on what truly matters—creating an intelligent, user-friendly platform that simplifies and automates complex development lifecycle phases. A strong problem statement captures not just the technical issues, such as delays in requirement analysis or lack of automation in code generation, but also the emotional and operational frustrations users experience. Through this lens of empathy, SmartSDLC can be designed to address real-world problems with AI-driven features that enhance speed, accuracy, and collaboration across teams, ultimately leading to solutions that users genuinely value.

Graphical user interface, text, application, email

Description automatically generated

Chart, treemap chart

Description automatically generated**Example:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Problem Statement (PS)** | **I am (Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1 | A software project manager | Improve project efficiency and delivery | Its hard to manage changing requirements | The traditional SDLC lacks adaptability and real-time insights | overwhelmed |
| PS-2 | A developer | Automate repetative development tasks | Its time consuming and error prone | There is no AI assistance integrated in the SDLC process | frustated |