**Ideation Phase**

**Define the Problem Statements**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID30595 |
| Project Name | Smart SDLC-AI-Enhanced Software Development Life Cycle |
| Maximum Marks | 2 Marks |

**Customer Problem Statement Template:**

Software developers often spend significant time writing boilerplate code, debugging, and documenting their projects, which slows down the development process and reduces productivity. Many developers lack access to AI-powered tools that can automate these tasks efficiently. There is a need for a smart, generative AI application that can generate code from prompts or documents, automatically fix bugs, and create clear documentation. This would streamline the Software Development Life Cycle (SDLC), reduce manual effort, and improve the overall quality and speed of software development.

Graphical user interface, text, application, email

Description automatically generated

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| **Problem Statement (PS)** | **I am (Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1 | A Customer | Build the Smart SDLC -AI-Enhanced Software Development Life Cycle application | It consumes more time | The model is slower to integrate | To have patience. |
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