**Ideation Phase**

**Define the Problem Statements**

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| Date | 30 June 2025 |
| Team ID | LTVIP2025TMID60818 |
| Project Name | **SmartSDLC – AI-Enhanced Software Development Lifecycle** |
| Maximum Marks | 2 Marks |

**Customer Problem Statement Template:**

AI Code Generator, addresses the development phase, where developers can input natural language prompts or structured user stories. These prompts are sent to the Watsonx model, which generates contextually relevant, production-ready code. This reduces the time needed for boilerplate or prototype creation and enhances coding efficiency. The code is presented in a clean, syntax-highlighted format on the frontend, ready for use or further enhancement.Graphical user interface, text, application, email

Description automatically generated