**Project Design Phase**

**Proposed Solution Template**

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

**Proposed Solution Template:**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Manual SDLC tasks are slow, repetitive, and prone to human error. |
|  | Idea / Solution description | An AI-powered app that automates code, test, bug fix, and documentation from user input. |
|  | Novelty / Uniqueness | |  | | --- | |  |  |  | | --- | | Unified AI-driven SDLC automation with IBM Watsonx integration. | |
|  | Social Impact / Customer Satisfaction | Helps students and developers save time, learn faster, and boost productivity. |
|  | Business Model (Revenue Model) | |  | | --- | |  |  |  | | --- | | Freemium for students, subscriptions for teams, and academic licensing. | |
|  | Scalability of the Solution | Easily deployable for individuals, teams, and educational platforms. |