**Project Design Phase**

**Proposed Solution Template**

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| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID32164 |
| Project Name | SmartSDLC – AI-Enhanced Software Development Lifecycle |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in the proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Traditional SDLC lacks automation and smart tracking, causing delays and errors. |
|  | Idea / Solution description | Smart SDLC is an AI-based system that automates requirement analysis, progress tracking, and bug detection in software development. |
|  | Novelty / Uniqueness | Uses AI to improve decision-making, reduce errors, and speed up development. |
|  | Social Impact / Customer Satisfaction | Delivers better software faster, improving client satisfaction and reducing cost. |
|  | Business Model (Revenue Model) | Offered as a SaaS platform with free trial and paid premium features for companies. |
|  | Scalability of the Solution | Can be used by startups to large enterprises; supports plugins for various tools |