Project Design Phase
Proposed Solution Template

Date	27 June 2025
Team ID	LTVIP2025TMID59193
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.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Manual SDLC processes slow down development and reduce software quality. AI integration is lacking in traditional workflows.
2.	Idea / Solution description	SmartSDLC automates requirement classification, bug fixing, and code generation using AI. It streamlines the development lifecycle.
3.	Novelty / Uniqueness	Combines AI with SDLC in a modular, real-time platform. Accepts natural language input and integrates with CI tools.
4.	Social Impact / Customer Satisfaction	Speeds up software delivery and improves developer productivity. Enhances user satisfaction through quality and reliability.
5.	Business Model (Revenue Model)	SaaS-based model with tiered plans and API access. Offers subscription for individuals, teams, and enterprises.

6.	Scalability of the Solution	Easily scalable across domains, teams, and project sizes. Supports cloud deployment and CI/CD integration.