Project Design Phase
Proposed Solu on Template

Date	03 August 2025
Team ID	LTVIP2025TMID59168
Project Name	SmartSDLC – AI-Enhanced Software Development Lifecycle
Maximum Marks	2 Marks

Proposed Solu on Template:

Project team shall fill the following informa on in the proposed solu on template.

S.No.	Parameter	Descrip on
1.	Problem Statement (Problem to be solved)	Manual SDLC processes slow down development and reduce so ware quality. AI integra on is lacking in tradi onal workflows.
2.	Idea / Solu on descrip on	SmartSDLC automates requirement classifica on, bug fixing, and code genera on using AI. It streamlines the development lifecycle.
3.	Novelty / Uniqueness	Combines AI with SDLC in a modular, realme pla orm. Accepts natural language input and integrates with CI tools.
4.	Social Impact / Customer Sa sfac on	Speeds up software delivery and improves developer productivity. Enhances user satisfaction through quality and reliability.
5.	Business Model (Revenue Model)	SaaS-based model with ered plans and API access. Offers subscrip on for individuals, teams, and enterprises.

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