

Project Design Phase
Proposed Solution Template

Date	20 JUNE 2025
Team ID	LTVIP2025TMID37665
Project Name	SMART SDLC
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)	Developers and teams waste time on repetitive SDLC tasks like requirement analysis, code writing, bug fixing, and documentation, slowing delivery.
2.	Idea / Solution description	SmartSDLC is an AI-powered platform that automates multiple SDLC phases—requirements, code generation, testing, bug fixing, and documentation.
3.	Novelty / Uniqueness	It unifies all essential SDLC tools into a single AI-assisted interface, reducing dependency on multiple tools and manual workflows.
4.	Social Impact / Customer Satisfaction	The tool increases developer productivity, helps students and interns learn faster, and boosts software quality—ultimately enhancing customer trust
5.	Business Model (Revenue Model)	The tool increases developer productivity, helps students and interns learn faster, and boosts software quality—ultimately enhancing customer trust.
6.	Scalability of the Solution	The backend is modular and supports scalable AI model integration, allowing expansion for enterprise teams or educational institutions.