

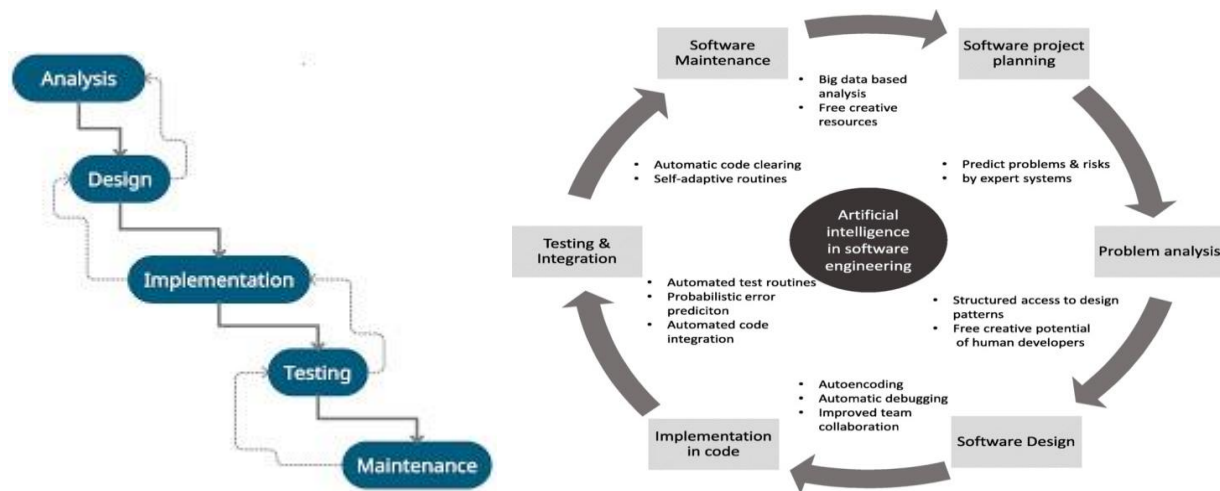
## Project Design Phase-II

### Data Flow Diagram & User Stories

Date	03 August 2025
Team ID	LTVIP2025TMID59168
Project Name	SmartSDLC – AI-Enhanced Software Development Lifecycle
Maximum Marks	4 Marks

#### Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



#### User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Developer	Requirement Classification	USN-1	As a developer, I can upload software requirements to get them autoclassified.	Requirements are shown as Functional, NonFunctional, or UI.	High	Sprint-1
Developer	Requirement Classification	USN-2	As a developer, I can view categorized results from the uploaded text.	Output displays classification tags clearly.	High	Sprint-1
Developer	Bug Fixing AI	USN-3	As a developer, I can paste buggy code to receive AI-suggested corrections.	Corrected code is displayed alongside the original.	High	Sprint-1
Developer	Bug Fixing AI	USN-4	As a developer, I can download or copy the fixed code from the output panel.	Fixed code can be copied or downloaded successfully.	Medium	Sprint-1
Developer	Code Generation	USN-5	As a developer, I can input a plaintext requirement and receive generated code.	Code is generated in Python and displayed in editor.	High	Sprint-2
Developer	Code	USN-6	As a developer, I	Generated code is	Medium	Sprint-2

	Generation		can download the generated code for further use.	downloadable as a .py file.		
End User (Web)	Dashboard UI	USN-7	As a user, I can interact with SmartSDLC features via a Streamlit dashboard.	UI is clean and all features are clickable and functional.	High	Sprint-2
End User (Web)	Deployment	USN-8	As a user, I can access the application via a public ngrok link without setup.	Platform runs via link with full functionality.	Medium	Sprint-2
Admin	Feedback & Monitoring	USN-9	As an admin, I can view feedback submitted by users about the platform.	Feedback is stored and viewable in dashboard.	Low	Sprint-3