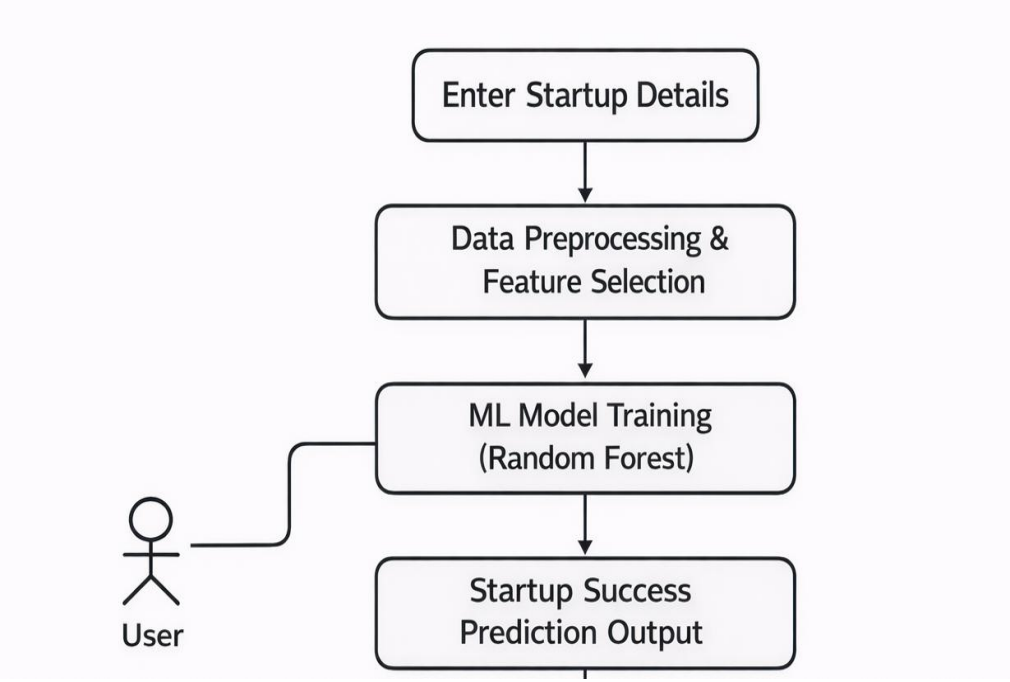
Project Design Phase-II
Data Flow Diagram & User Stories

Date	14 Feb 2026
Team ID	LTVIP2026TMIDS47450
Project Name	prosperity prognosticator: machine learning for startup success prediction
Maximum Marks	10 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.

Example: Prosperity Prognosticator – Startup Success Prediction System



User Stories

List of all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
User (Investor)	Enter Startup Data	USN-1	As a user, I can enter startup details into the system for prediction.	Input data is successfully accepted and validated.	High	Sprint-1

User (Data Scientist)	Train Model	USN-2	As a user, I can train the machine learning models using the startup datasets.	Model is trained using Random Forest and performance is recorded.	High	Sprint-1
User (General)	Predict Startup Success	USN-3	As a user, I can receive a startup success prediction after submitting input details.	Prediction result is displayed clearly on screen.	High	Sprint-1
User (Analyst)	Evaluate Model	USN-4	As a user, I can view evaluation metrics like Accuracy, F1-Score, Confusion Matrix	All metrics are printed after evaluation	Medium	Sprint-2
Admin	Web Deployment	USN-5	As an admin, I can deploy the system with a web interface for user access	Web UI available using Streamlit/Flask and accessible via browser	Low	Sprint-3