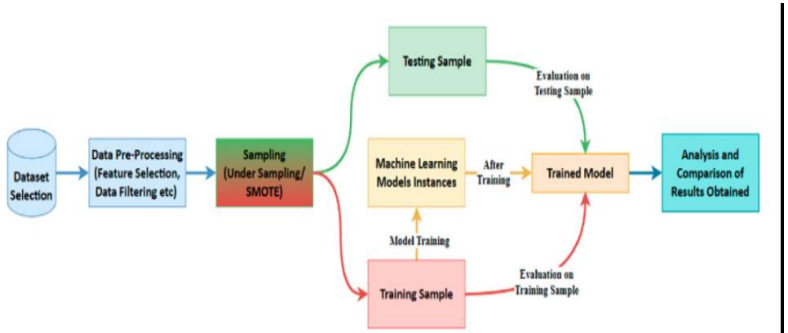
Project Design Phase-II
Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	LTVIP2026TMIDS79606
Project Name	online payments fraud detection using machine learning
Maximum Marks	4 Marks

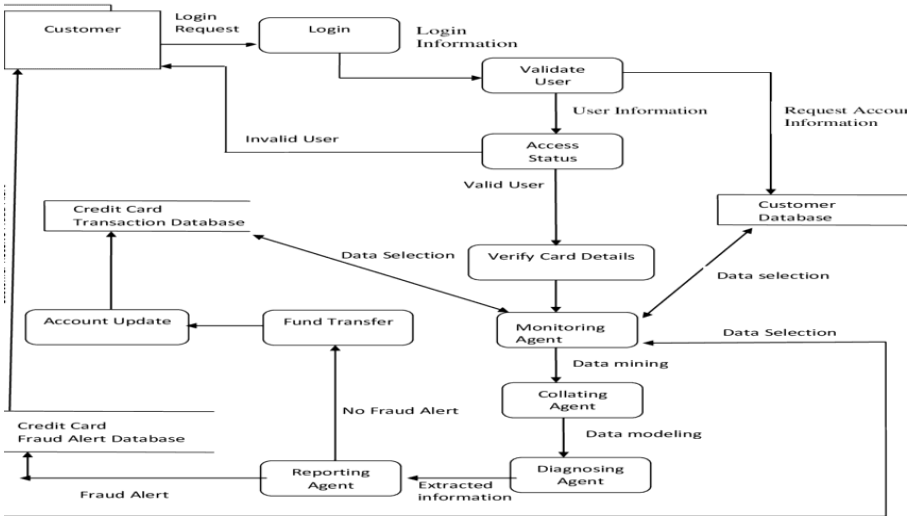
Data Flow Diagrams:

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.

Example



Example: DFD Level 0(Industry standard)



Flow

1. Input Transaction Details
2. Data Preprocessing
3. Fraud Prediction using ML Model
4. Display Result

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
Customer (Mobile user)	Transaction Fraud Check	USN-1	As a user, I want to enter my transaction details so that I can check whether my transaction is safe or fraudulent.	• User can enter all required transaction fields. System validates input Submit button works	High	Sprint-1
		USN-2	As a user, I want the system to analyze my transaction using machine learning so that I get an accurate fraud probability.	• Every transaction is stored Risk percentage is stored Decision status is stored	High	Sprint-1
		USN-3	As a user, I want to know whether my transaction is approved, under review, or blocked.	• Decision is shown clearly Risk level is shown UI displays result instantly	Low	Sprint-2
		USN-4	As a user, I want high-risk transactions to be blocked automatically for security.	• High-risk transactions are marked BLOCKED Account status changes to SUSPENDED	Medium	Sprint-1
	Monitoring Transactions	USN-5	As an admin, I want all transactions stored in the database so that I can monitor fraud patterns.	• Every transaction is stored Risk percentage	High	Sprint-1