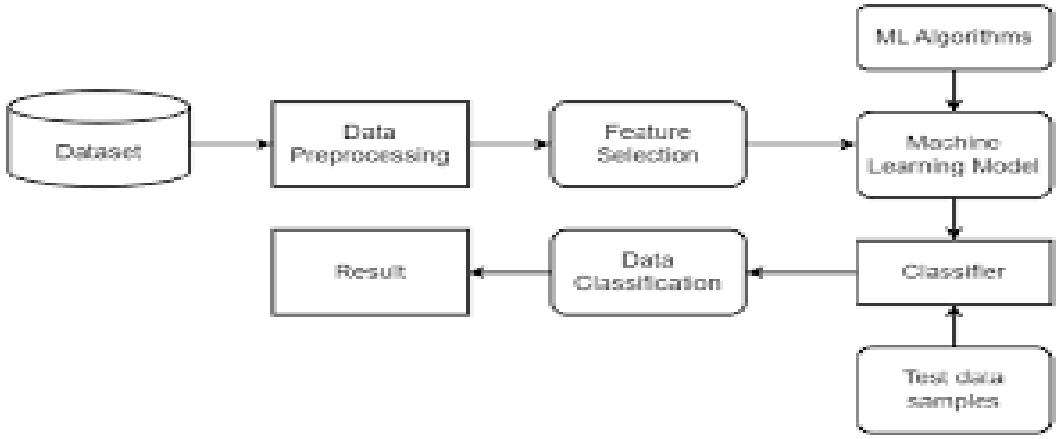
Project Design Phase-II
Data Flow Diagram & User Stories

Date	19 July 2025
Team ID	LTVIP2025TMID41526
Project Name	**Revolutionizing Liver Care: Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques**
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: **Revolutionizing Liver Care**



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 (Analyst)	Upload Data	USN-1	As a user, I can upload a CSV/Excel file with patient data into the system	File successfully loaded into the tool	High	Sprint-1
User (Analyst)	Train Model	USN-2	As a user, I can train the machine learning models using the uploaded data	Models (KNN, Logistic, SVC, XGBoost) are trained and show metrics	High	Sprint-1
User (Analyst)	Predict Result	USN-3	As a user, I can get a prediction (Yes/No) for cirrhosis based on patient data	Output is shown as “Yes” or “No” for liver cirrhosis	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 (Future Scope)	Web Deployment	USN-5	As an admin, I can deploy the model with a web interface	Users can interact through a browser (Flask or Streamlit)	Low	Sprint-3