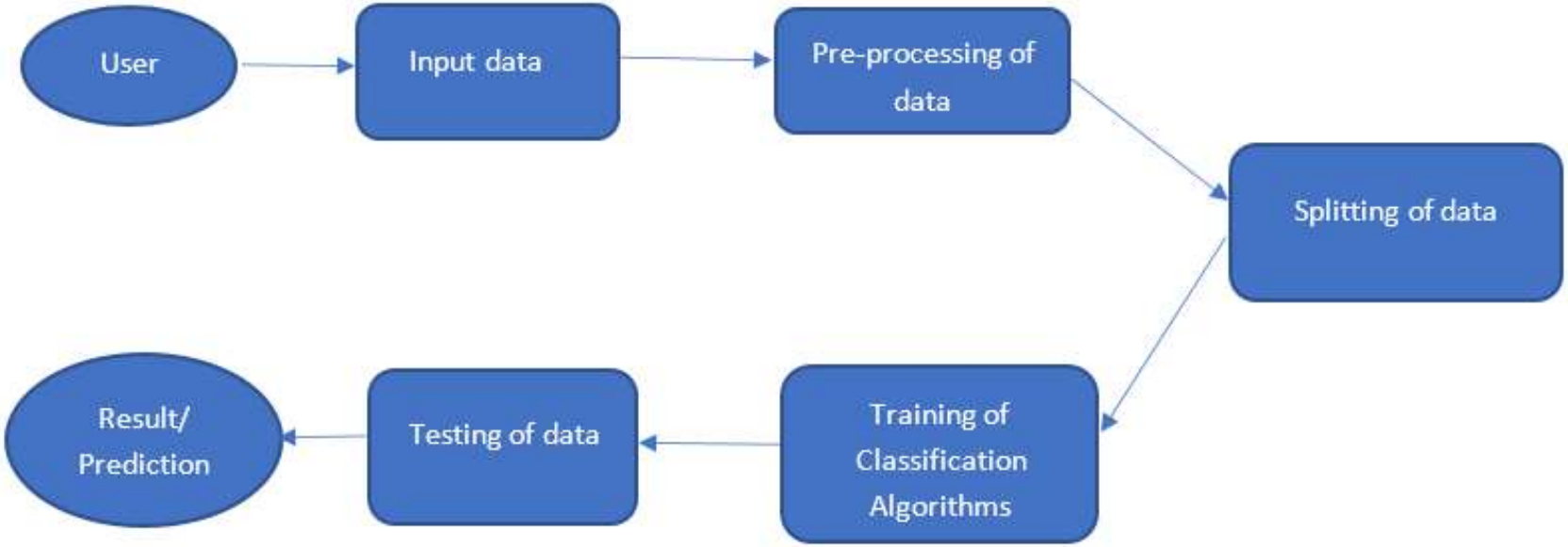
Project Design Phase-II
Data Flow Diagram & User Stories

Date	16 November 2023
Team ID	Team-591644
Project Name	Machine Learning Approach For Predicting The Rainfall
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 rightamount 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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Farmer	Forecast Accessibility	USN-1	As a farmer, I want to access rainfall forecasts for my region to plan crop irrigation schedules accordingly.	Forecasts should cover at least a week in advance.	High	Sprint-1
Emergency Response Coordinator	Risk Assessment	USN-2	As an emergency response coordinator, I need reliable rainfall predictions to plan for potential flood risks.	The system should offer accurate rainfall predictions for vulnerable areas prone to flooding.	High	Sprint-1
Agricultural Supply Chain Manager	Resource Optimization	USN-3	As an agricultural supply chain manager, I want to optimize resource allocation based on rainfall forecasts.	The model's predictions should allow for efficient resource allocation, reducing unnecessary costs and resource wastage.	Low	Sprint-2
Meteorologist	Data Access	USN-4	As a meteorologist, I require historical rainfall data to analyze long-term climate trends and anomalies.	The data should be easily downloadable or accessible via an API for research purposes.	Medium	Sprint-1
System Administrator	Model Enhancement	USN-5	As a system administrator, I want the predictive model to continually learn and adapt to improve accuracy.	The updated model should demonstrate improved accuracy compared to the previous version.	High	Sprint-1