

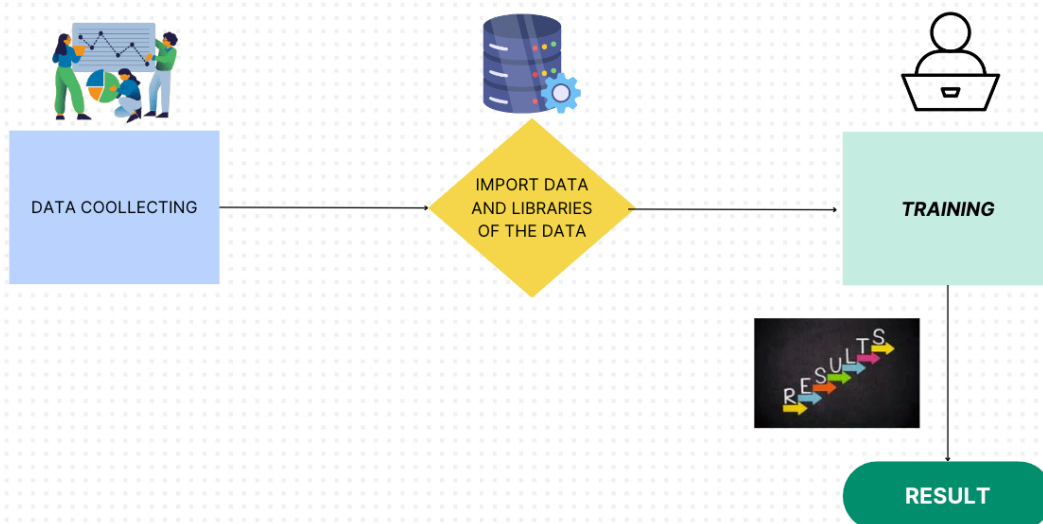
## ***PROJECT DESIGN PHASE 2***

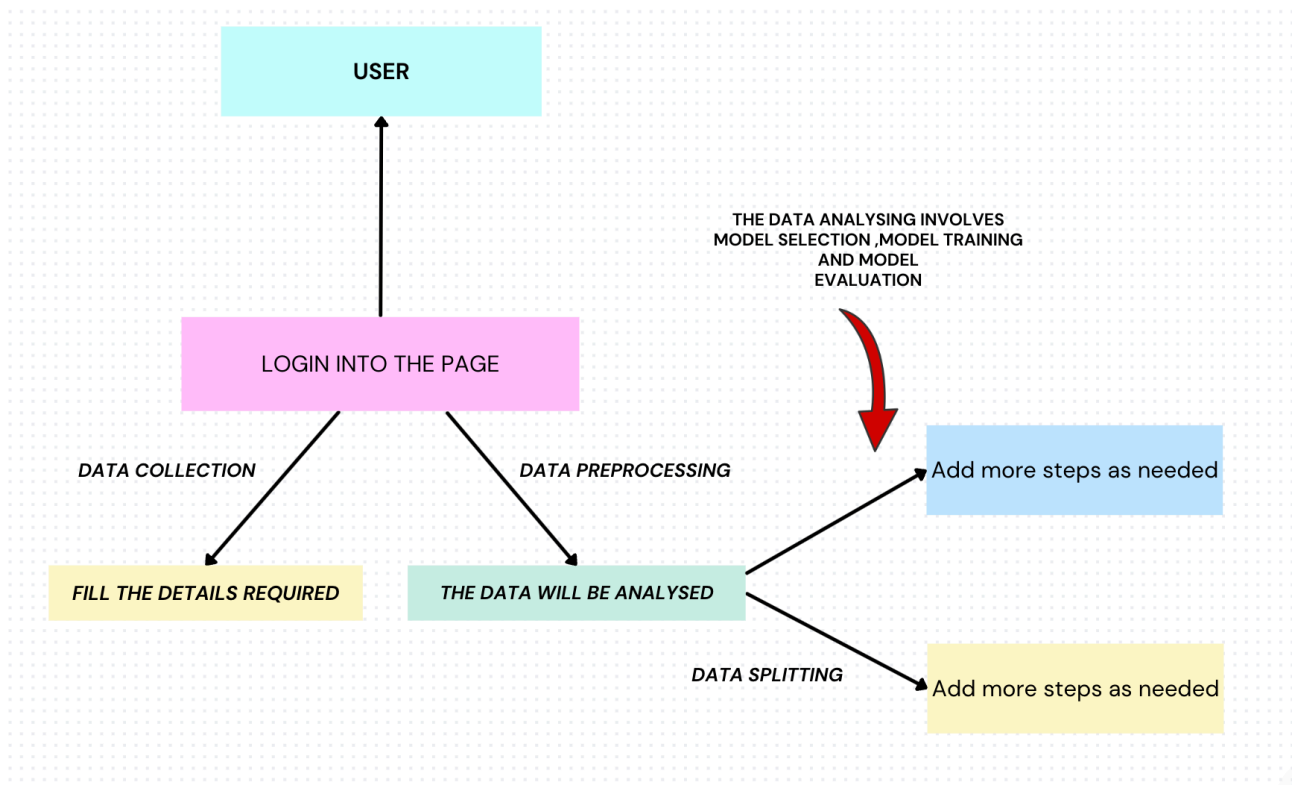
### ***DATA FLOW DIAGRAM AND USER STORIES :***

<b>Date</b>	19 November 2023
<b>Team ID</b>	591647
<b>Project Name</b>	<b>Machine Learning Approach For Predicting The Rainfall</b>
<b>Maximum Marks</b>	2 Marks

### ***DATA FLOW DIAGRAM:***

*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:*

User Type	Functional Requirement (Epic)	User Story	User Story / Task	Acceptance criteria	Priority	Release
Administrator	Security and Compliance	USN-1	As a user, I can Ensure Data Security and Compliance	The system should implement robust security measures to protect patient data, including encryption, access controls, and regular security audits.	High	Sprint-1
Farmers and event management companies	Login	USN-2	As a user, I can log into the application by entering email & password	They should have access to prediction results The system should provide relevant statistical information and visualization tools to help	High	Sprint-1
Data Scientist	Data Access and Model Training	USN-3	As a user, I can Access and Use Historical Data for Model Training	~Data scientists should have access to a diverse dataset with patient profiles and historical diabetes diagnosis records. ~The system should allow data scientists to extract, preprocess, and use this data for training and	High	Sprint-1

Researcher	Result Analysis and Research	USN-4	As a user, I can Access and Analyze Prediction Results	~Researchers should have access to prediction results for further study and analysis. ~The system should provide relevant statistical information and visualization tools to help researchers	High	Sprint-1
All Users (General)	Login	USN-5	As a user, I can log into the application by entering email & password	~Users who forget their passwords should be able to reset them securely through a password recovery process. ~The system should track login	Medium	Sprint-1
All Users (General)	Dashboard	USN-6	Create User Dashboards	~After successful login, each user should have access to a personalized dashboard. ~The dashboard should display relevant information based on the user's role and access rights, providing an overview of key features and data. Healthcare	High	Sprint-1

Cust omer (Web user)	User Registration and Profile	USN-7	Register and Create User Profile	~Customers should be able to register on the platform by providing necessary information, including name, email, and password. ~After registration, customers should have the ability to create and edit their user profiles,	High	Sprint-1
Cust omer Care Exec utive	Customer Managemen	USN-8	Manage Customer Profiles	~Customer care executives should be able to search for and view customer profiles. ~Executives should have the ability to update customer information and medical data as provided by the customers. ~Customer care	High	Sprint-1
Administrat or	Sec urity and Com plian ce	USN-9	As a user, I can Ensure Data Security and Compliance	The system should implement robust security measures to protect patient data, including encryption, access controls, and regular security audits.	High	Sprint-1

Cust omer (Web user)	User Registration and Profile	USN-7	Register and Create User Profile	~Customers should be able to register on the platform by providing necessary information, including name, email, and password. ~After registration, customers should have the ability to create and edit their user profiles,	High	Sprint-1
Cust omer Care Exec utive	Customer Managemen	USN-8	Manage Customer Profiles	~Customer care executives should be able to search for and view customer profiles. ~Executives should have the ability to update customer information and medical data as provided by the customers. ~Customer care	High	Sprint-1
Administrat or	Sec urity and Com plian ce	USN-9	As a user, I can Ensure Data Security and Compliance	The system should implement robust security measures to protect patient data, including encryption, access controls, and regular security audits.	High	Sprint-1