

## Project Design Phase-II

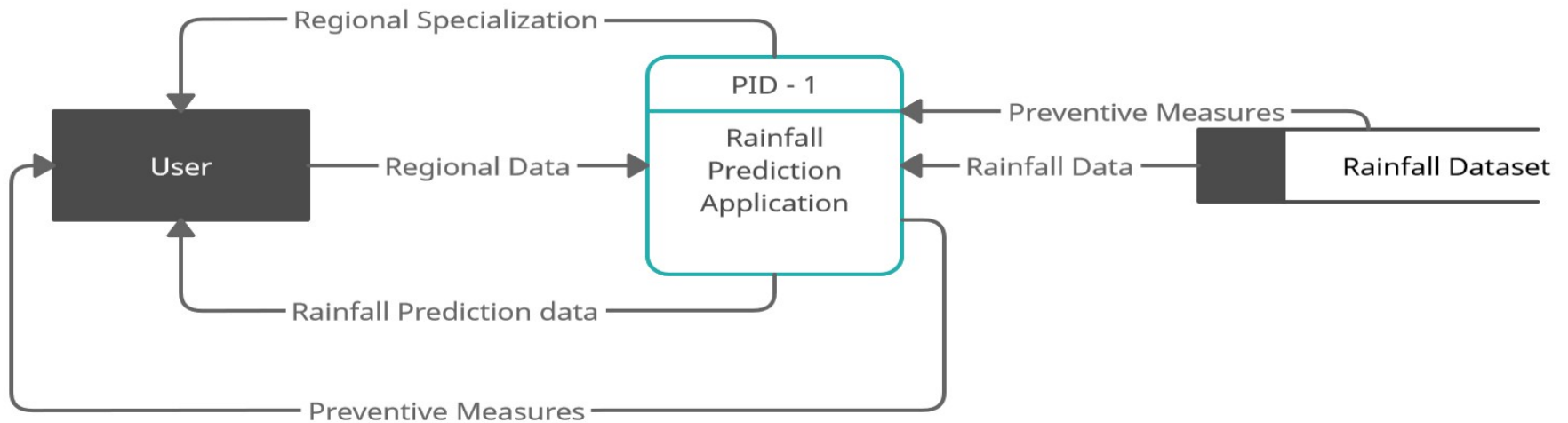
### Data Flow Diagram & User Stories

Date	05 October 2022
Team ID	PNT2022TMID12583
Project Name	Exploratory Analysis of Rainfall Data in India for Agriculture
Maximum Marks	4 Marks

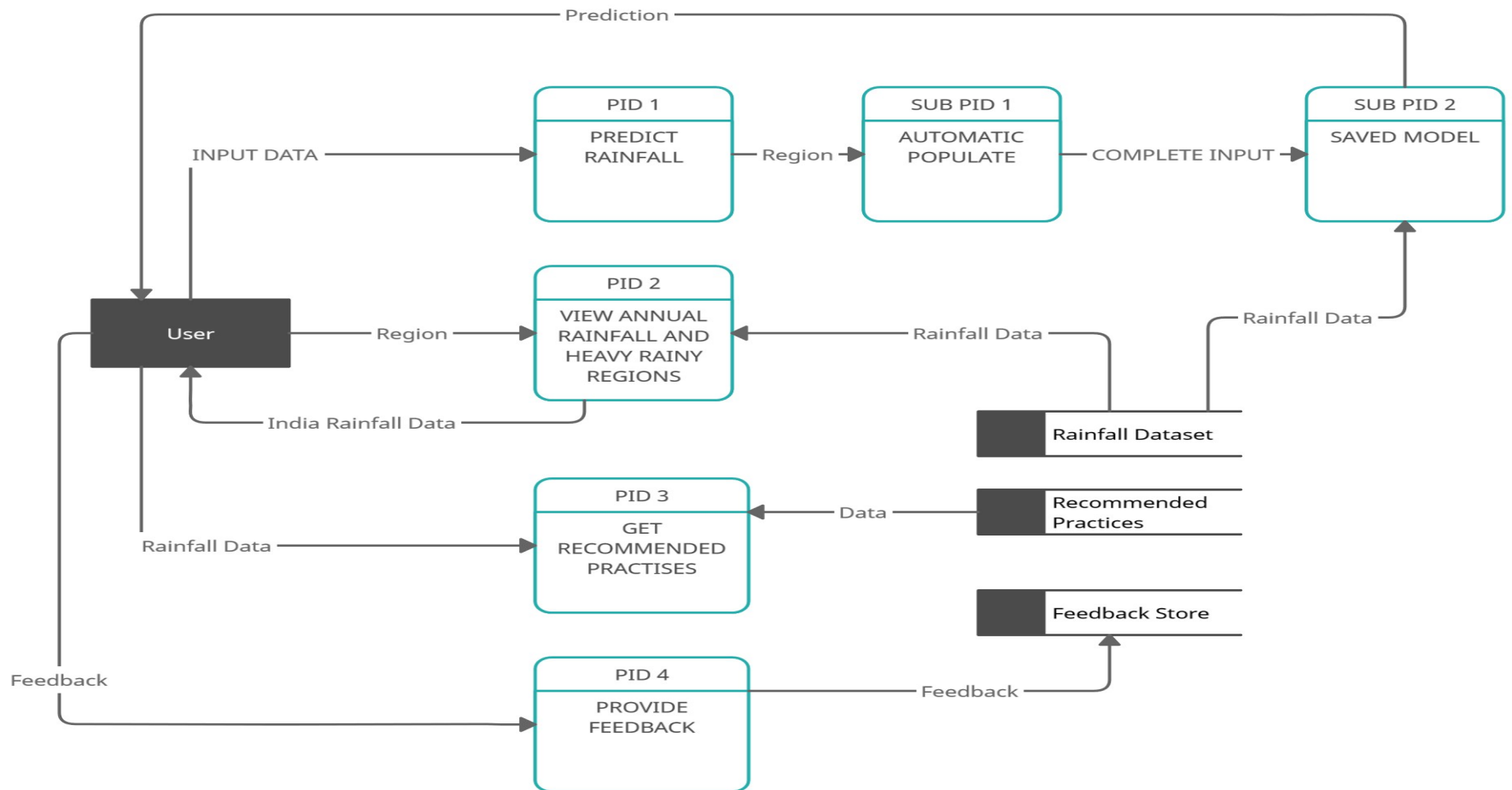
#### Data Flow Diagrams:

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.

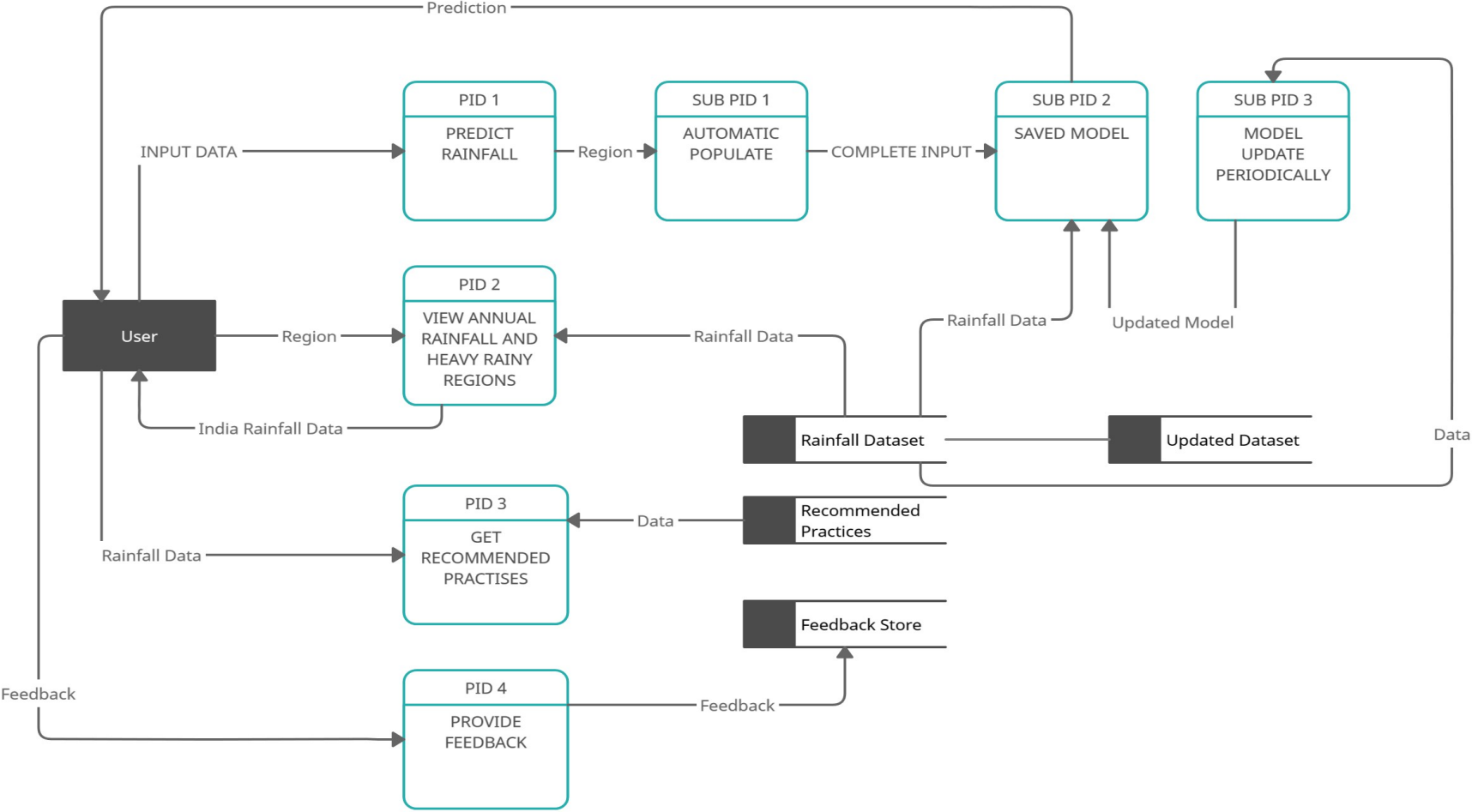
#### 0 – LEVEL DATA FLOW DIAGRAM:



## 1 – LEVEL DATAFLOW DIAGRAM :



2 – LEVEL DATA FLOW DIAGRAM :



## 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
User in Website	Input Area	USN-1	Users can select the region for which they want to predict the rainfall and give their inputs like wind direction, speed etc	User should be able to select any region in India and enter the values	High	Sprint-1
	Visualisation board	USN-2	User will be able to view different visualisations of what is the monthly and annual rainfall as pie chart and much more	The visualisations has to be dynamically loaded and charts must be responsive	High	Sprint-1
		USN-3	User can give the feedback on the accuracy of the prediction and on the user interface		High	Sprint-1
Support Team	Support	USN-4	Responds to user queries via telephone, email etc.	Queries can be raised in situation of doubts	Medium	Sprint-2
		USN-5	The team must analyse all the queries and try to debug and make plans so that such queries wouldn't be raised again		Low	Sprint-2
		USN-6	Organize for a FAQ session where commonly asked doubts can be redressed by the team	The user will get all their doubt clarified	Low	Sprint-2
		USN-7	The team must respond immediately to the queries based on the priority	Queries get resolved	High	Sprint-2
Developer team	Development of Components and software	USN - 8	The development team must develop websites in such a way that it is easier to add features later	Maintenance and updating is easier	High	Sprint - 3
		USN - 9	Develop Website in responsive manner that fits in for all devices	User experience is good and feels comfortable	High	Sprint – 3
		USN – 10	Update Models in frequent intervals	To keep model up to date	High	Sprint - 3