Project Design Phase-II
Data Flow Diagram & User Stories

Date	29 October 2022
Team ID	PNT2022TMID45553
Project Name	Predicting the energy output of wind turbine based on weather condition
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.
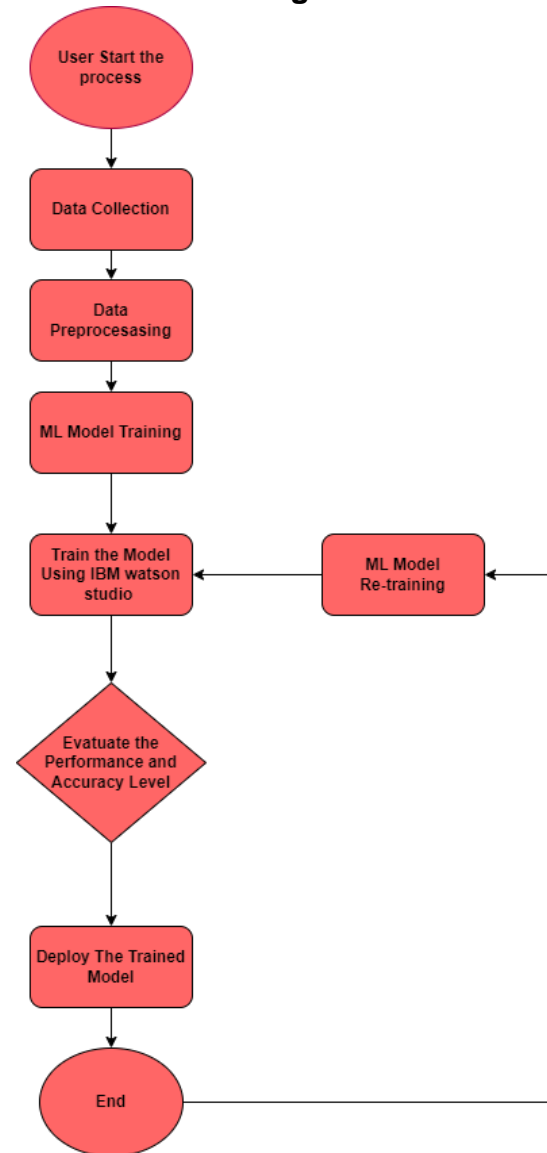
Data Flow Diagram 1 :
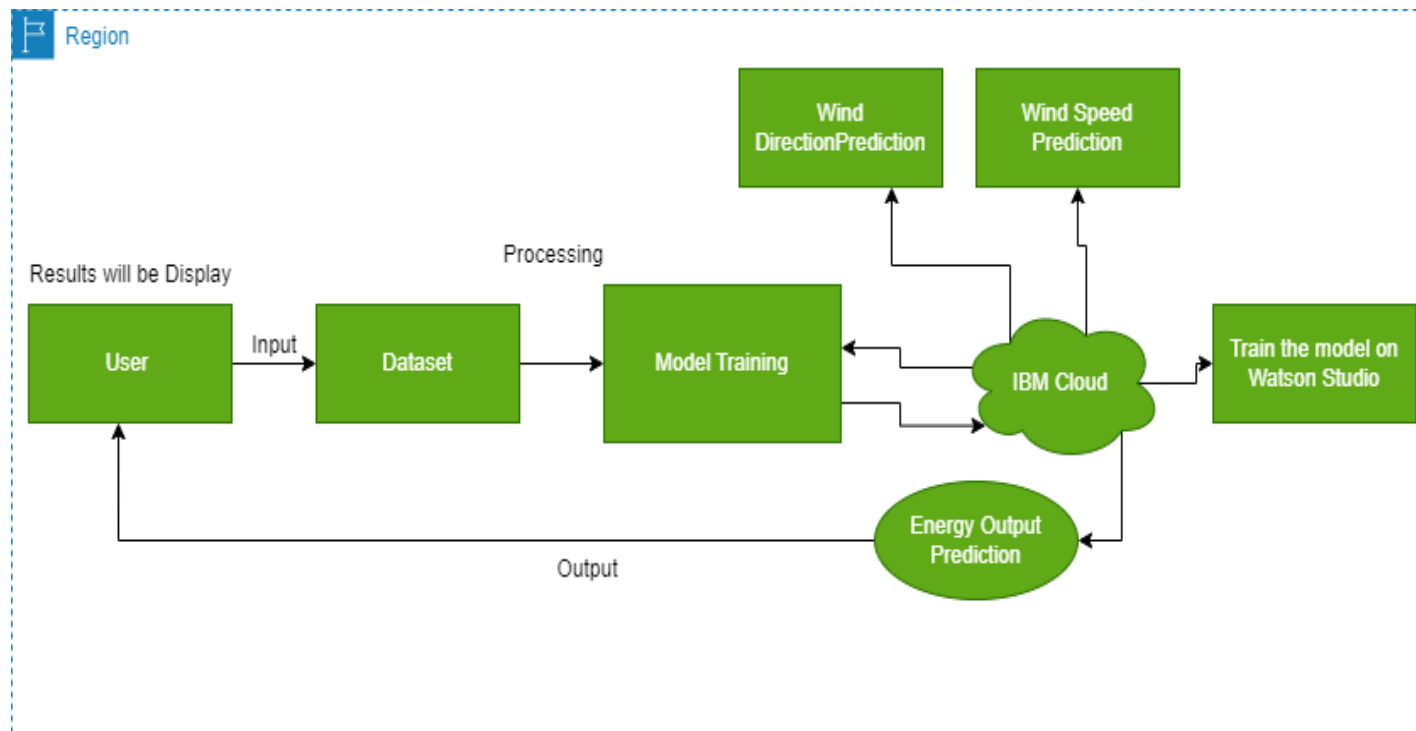
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Data Flow Diagram 2 :

User Start the process

Data Collection

Data Preprocesasing

ML Model Training

Train the Model Using IBM watson studio ← ML Model Re-training

Evatuate the Performance and Accuracy Level

Deploy The Trained Model

End

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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 (Mobile)	Registration	USN-1	As a user, I can Register the app for the first time with my mail id or phone number	I can access my account after registration by email or phone	High	Sprint-1
		USN-2	I will receive the confirmation mail	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	Once you receive the mail the registration is completed	The Acknowledgement will be sent to mail	Low	Sprint-1
		USN-4	Otherwise you can register the app through facebook also.	I can receive pop-up confirmation from facebook	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	Once you log in with correct details it will show Login Successfull	High	Sprint-1

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	Homepage	USN-6	In the home page user can view the search bar for search the location	I can search the cities with the help of the search bar	Low	Sprint-1
		USN-7	As a user I can select the location by search	In this I can view the selected location	Low	Sprint-2
	App Interfaces	USN-8	As a user I can see the weather conditions on it	In this I can see the weather conditions of selected city	Low	Sprint-2
			As a user I can also see the wind speed and humidity level to.	In this I can view the humidity and speed also	Medium	Sprint-3
Customer (Web user)	Login	USN-10	As a User I can register the same by the app users email and mobile number to.	I can register by mobile number and mail id on webpage	High	Sprint-3
Help line		USN-11	As a user I can contact the Helpline and ask the doubts about the use cases from any time.	I can contact helpline at any time for any queries	High	Sprint-4
Feedback (from User)		USN-12	As a User I can provide the feedback by the app or webpage.	I can send my feedback to the developer on the webpage	High	Sprint-4