Project Design Phase-II
Data Flow diagrams and User stories
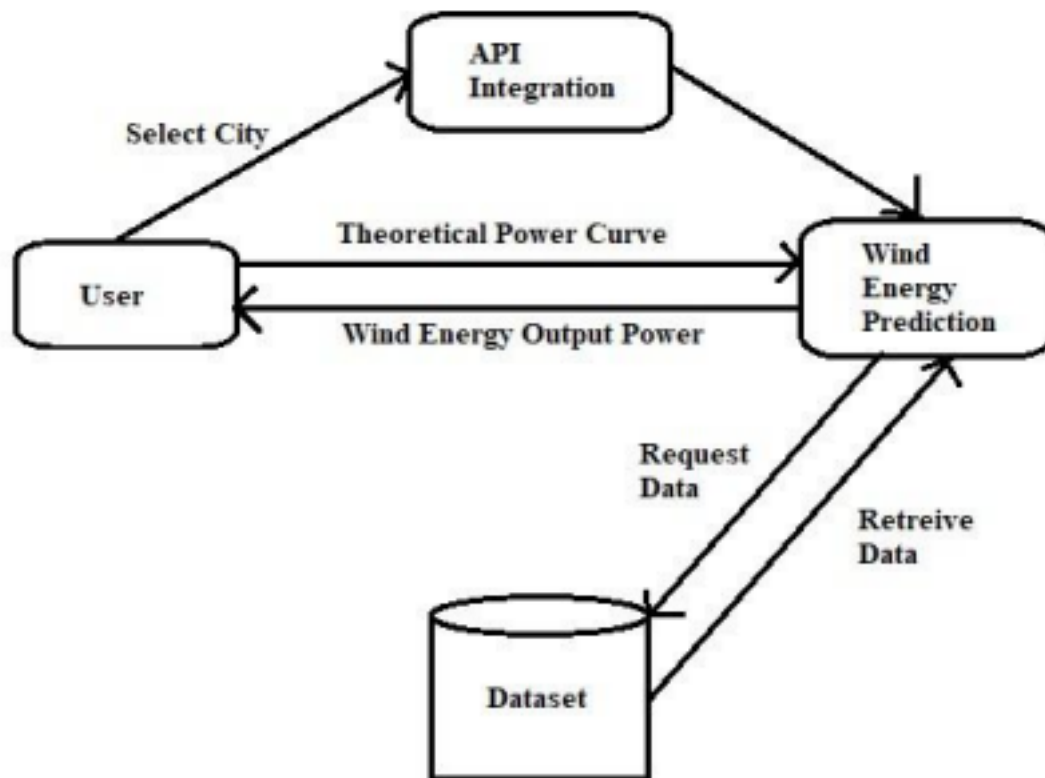
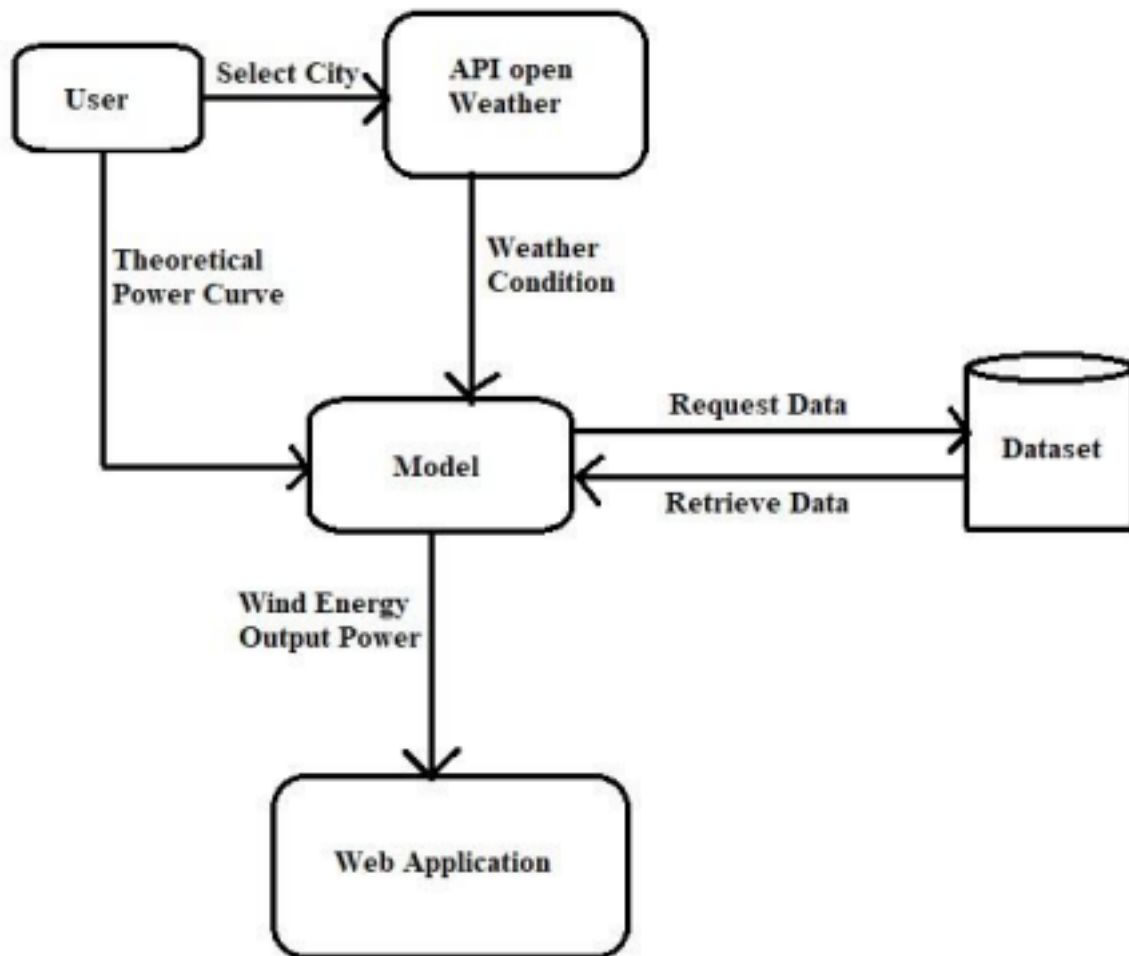|	
Date 12 October 2022	
Team ID PNT2022TMID25491	
Project Name Predicting the energy output of a wind turbine based on weather conditions.	
Maximum Marks 4 Marks	

Data Flow:

LEVEL 0:

LEVEL 1:

LEVEL 2:

User

Select City

API open Weather

Theoretical Power Curve

Weather Condition

Model

Request Data

Dataset

Retrieve Data

Wind Energy Output Power
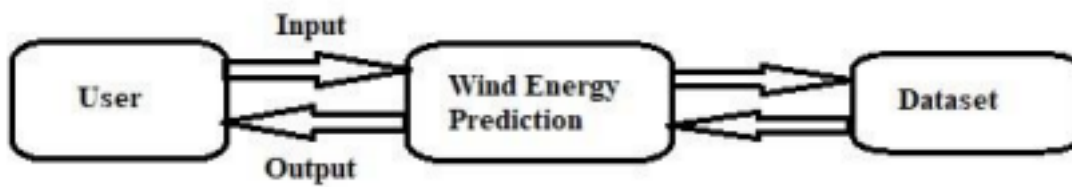
Web Application

User Stories:

User Type	Functional Requirements	User Number User Story/User Task Story	Acceptance Criteria	Priority	Release

Customer Home (Application)
USN-1 As a user, I can view
the
guideline as
well as the
detailed
information
about

the
application

USN-2 As a User, I can use this
application by
reading the
instructions
I can gain knowledge
by practical

method to use this
application .

I can use this in a
user-friendly method
by reading the
instructions.

Low Sprint-1 Low

Sprint-1

		USN-3 As a User, I can login and by entering the correct username and password	If login is correctly entered ,I can navigate to the next page.	Low	Sprint-2
		USN-4 As a user ,I amallowed to select the city and can get the weather of the city.	I can select the city ,If the city is correct I can further enter the details.	Medium	Sprint-3
		USN-5 As a user I amallowed to view the weather of the selected city.	If the correct city is selected ,then the weather of the particular city will be displayed.	Medium	Sprint-4
		USN-6 As a User ,Ican view the Power generated by the wind	If all valuesare entered correctly I canview the power generated bythe	High	Sprint-5

		USN-7AsaUser, I can use the web application virtually anywhere	I canuse the application portably	High	Sprint-2
		USN-8As it isopen source ,I can use itfreely.	I canuse it without any payment toaccess	Medium	Sprint-2