

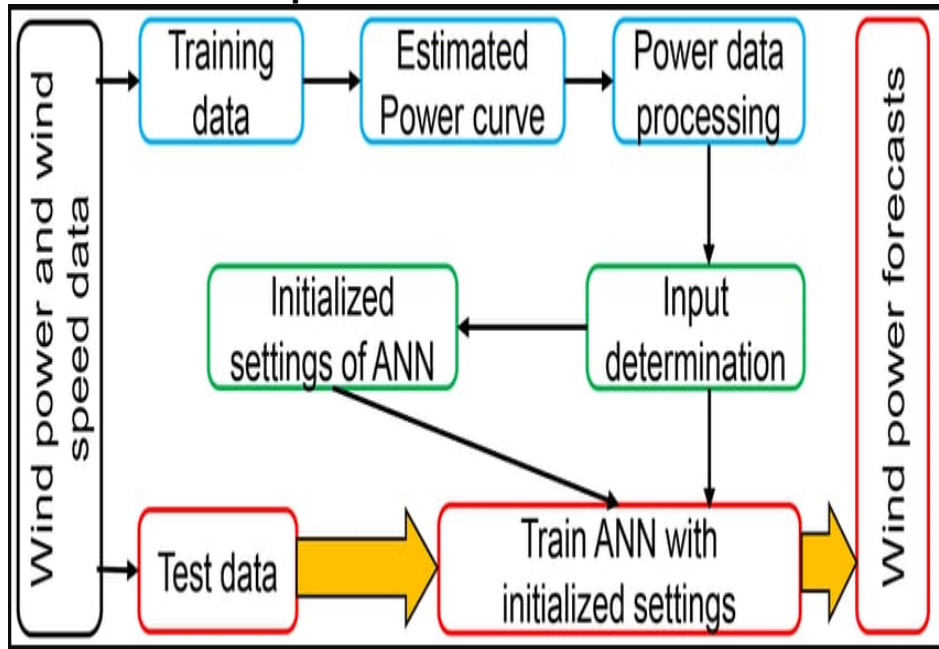
## Data Flow Diagram & User Stories

Date	15 October 2022
Project Name	Predicting the energy output of wind turbine based on weather condition

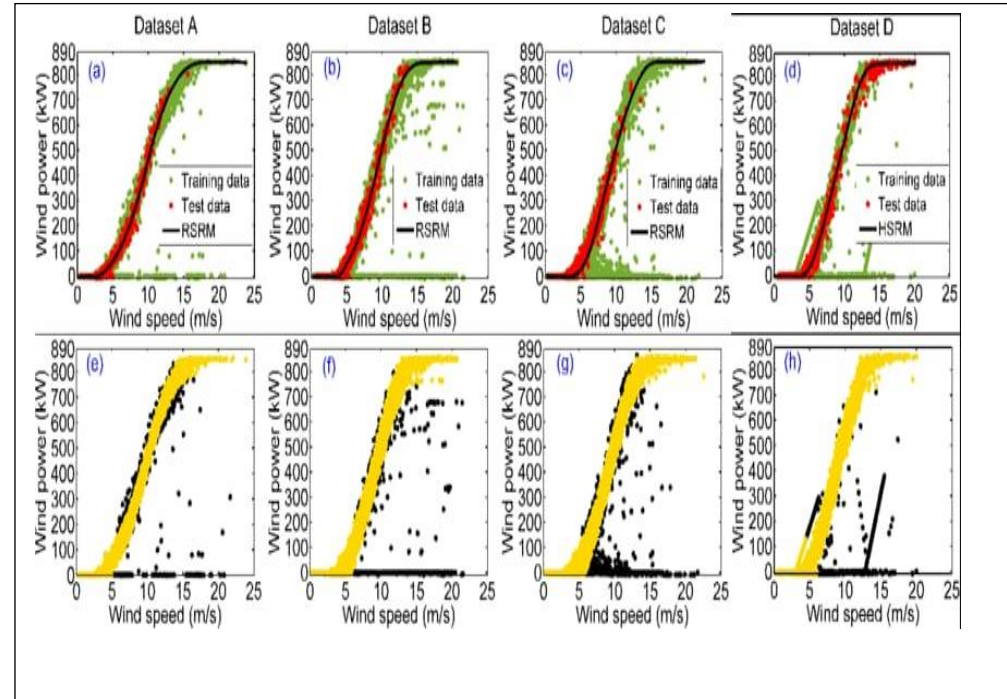
### Data Flow Diagrams:

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.

### Flow chart wind prediction



### Dataset flow chart



## User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority
Customer (Whether condition)	Predict	USN-1	As a user, The wind turbine gets the renewable energy shows the whether condition.	It gives a Active power,Wind speed and theoretical power.	medium
		USN-2	As a user, The whole renewable energy store in WPP(Wind Power Plant).	The WPP shows the whether condition .	High
		USN-3	The whether condition shows to cloudy,skinny and rainy forecast.	It uses to many industries,many persons ...etc	high
	Wind turbine	USN-4	The above dataset flowchart shows to wind power and wind speed.	The help of show to the whether condition	High
Customer	Wind affect	USN-5	The wind speed affects togales, hurricanes, and typhoons.	The persons of , aircraft,maritime operations, construction and civil engineering affect them	High