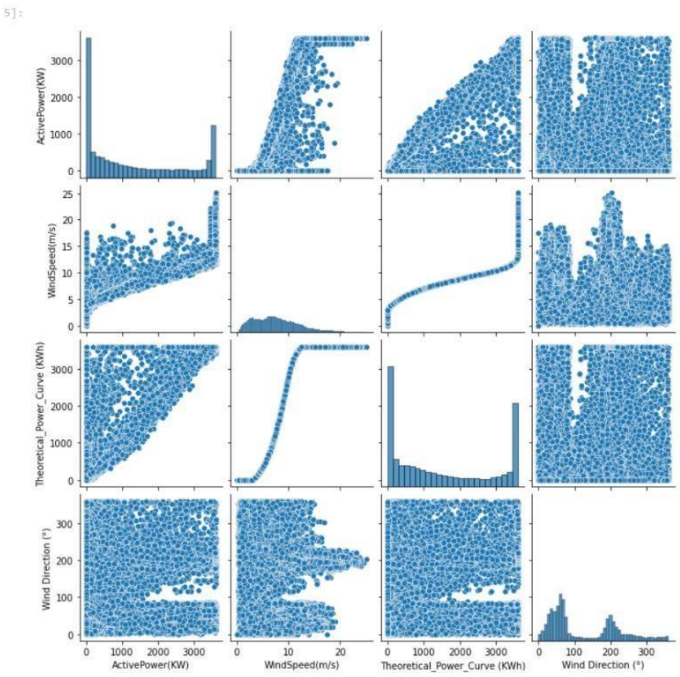
Project Development Phase
Model Performance Test

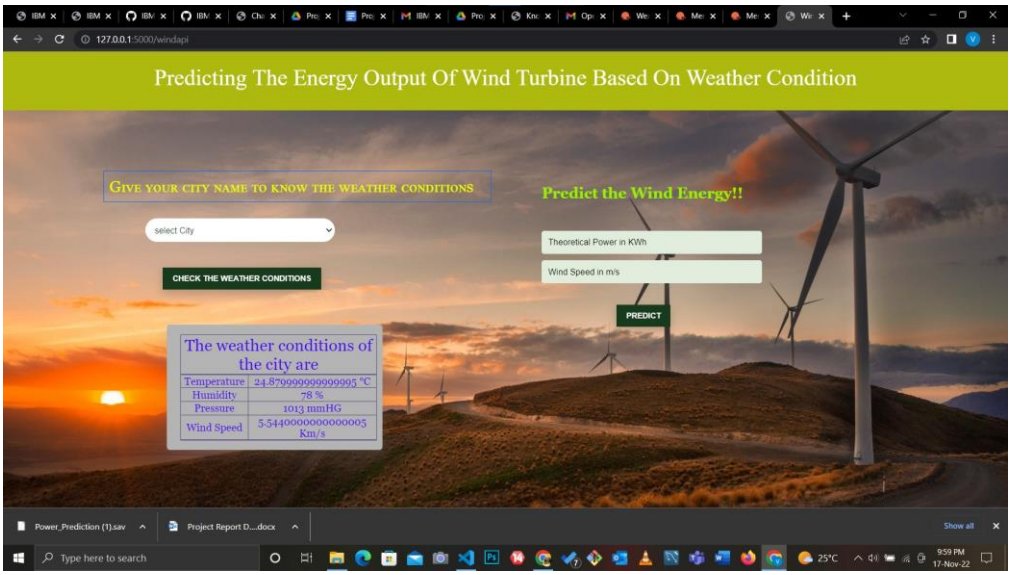
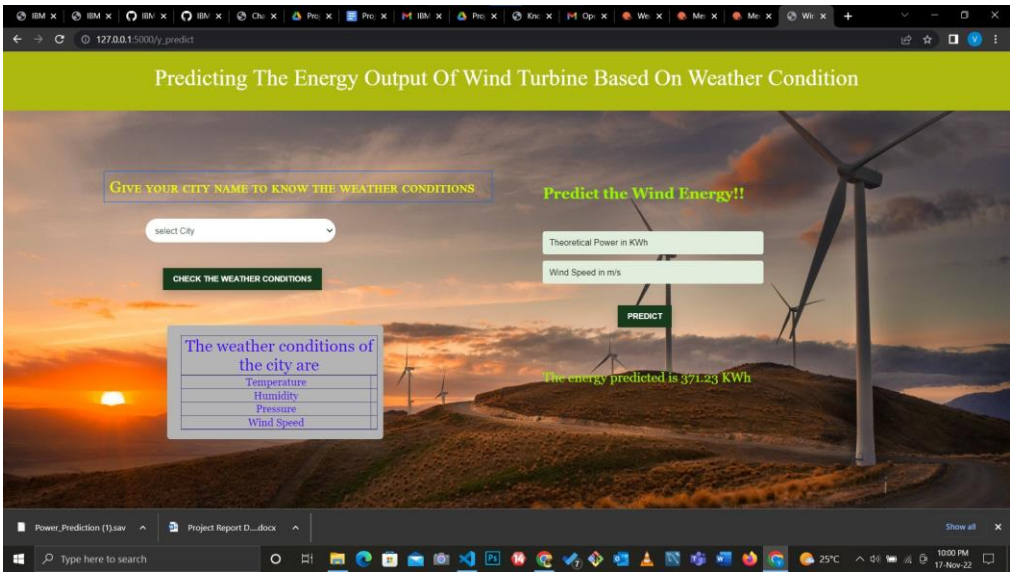
Date	17 November 2022
Team ID	PNT2022TMID21439
Project Name	Predicting the energy output of wind turbine based on weather condition
Maximum Marks	10 Marks

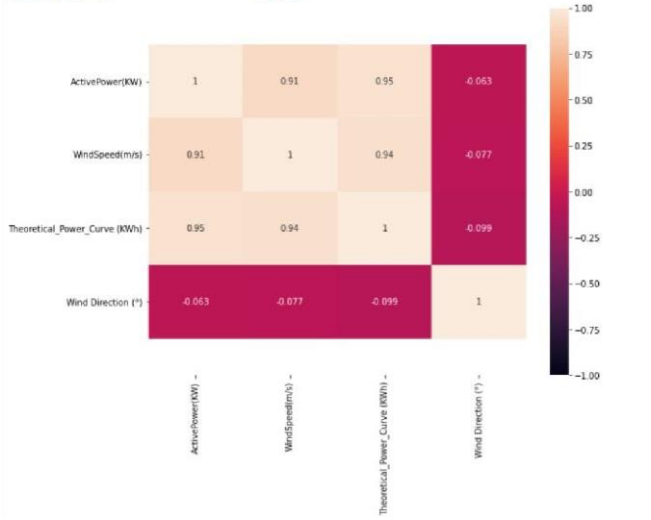
Model Performance Testing:

Project team shall fill the following information in model performance testing template.

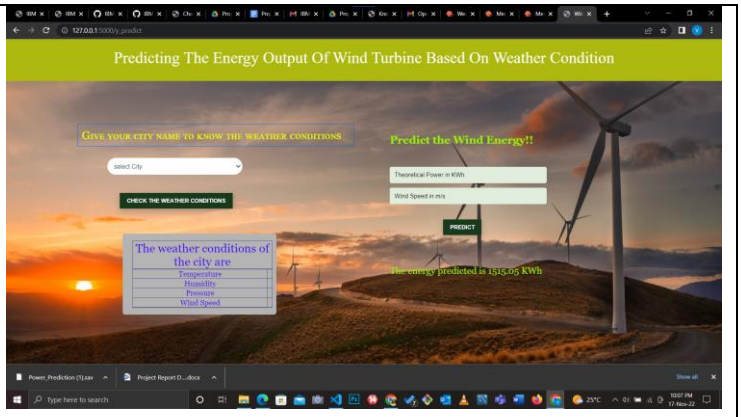
S.No.	Parameter	Screenshot / Values

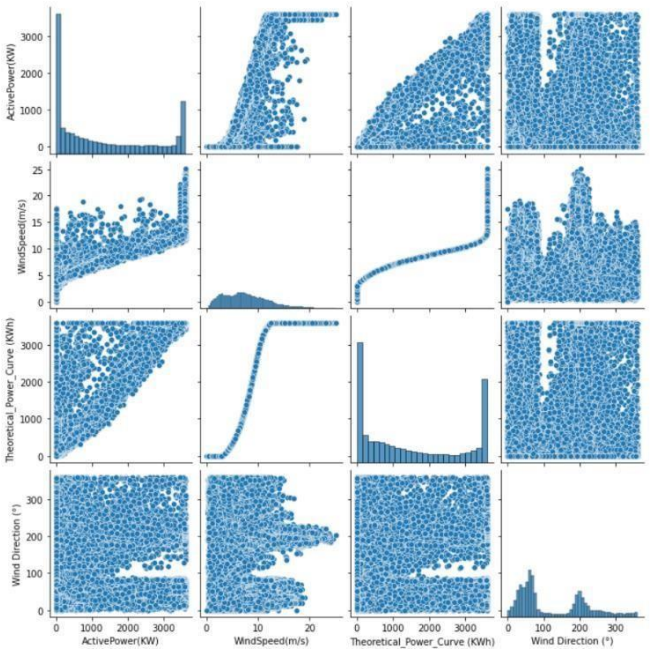
1.	Dashboard design	 No of Visualizations / Graphs –

2.	Data Responsiveness	  Data responsiveness - 90%
3.	Amount Data to Rendered (DB2 Metrics)	Wind Dataset.csv (1000 of data)
4.	Utilization of Data Filters	Data Filters – 2

		ActivePower(KW) WindSpeed(m/s) \ ActivePower(KW) 1.000000 0.912774 WindSpeed(m/s) 0.912774 1.000000 Theoretical_Power_Curve (KWh) 0.949918 0.944209 Wind Direction (°) -0.062702 -0.077188 Theoretical_Power_Curve (KWh) \ ActivePower(KW) 0.949918 WindSpeed(m/s) 0.944209 Theoretical_Power_Curve (KWh) 1.000000 Wind Direction (°) -0.099076 Wind Direction (°) ActivePower(KW) -0.062702 WindSpeed(m/s) -0.077188 Theoretical_Power_Curve (KWh) -0.099076 Wind Direction (°) 1.000000 

5.	Effective User Story	No of Scene Added –  

		 Predicting The Energy Output Of Wind Turbine Based On Weather Condition GIVE YOUR CITY NAME TO KNOW THE WEATHER CONDITIONS select City CHECK THE WEATHER CONDITIONS The weather conditions of the city are Temperature Humidity Pressure Wind Speed Predict the Wind Energy!! Theoretical Power in KWh Wind Speed in m/s PREDICT The energy predicted is 1515.05 KWh

6.	Descriptive Reports	5]:  No of Visualizations / Graphs –
