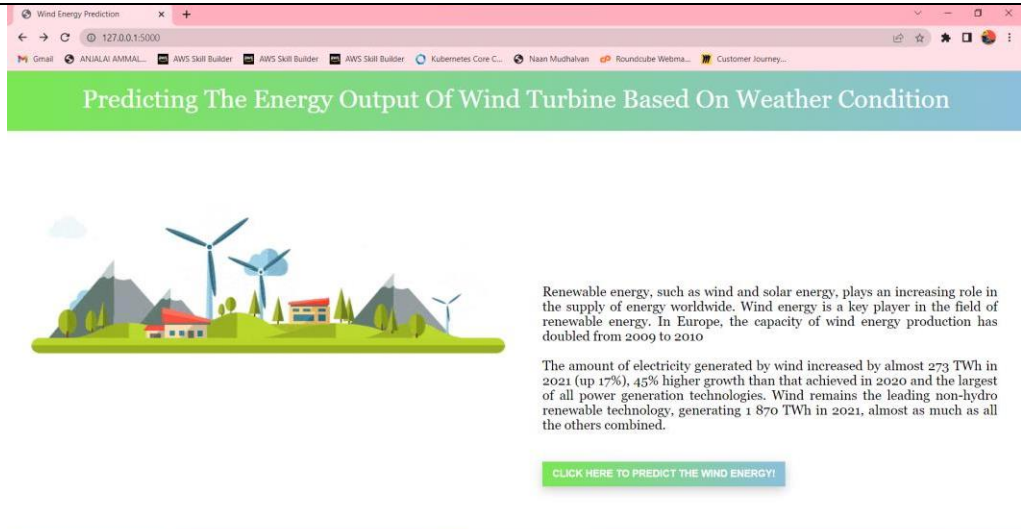
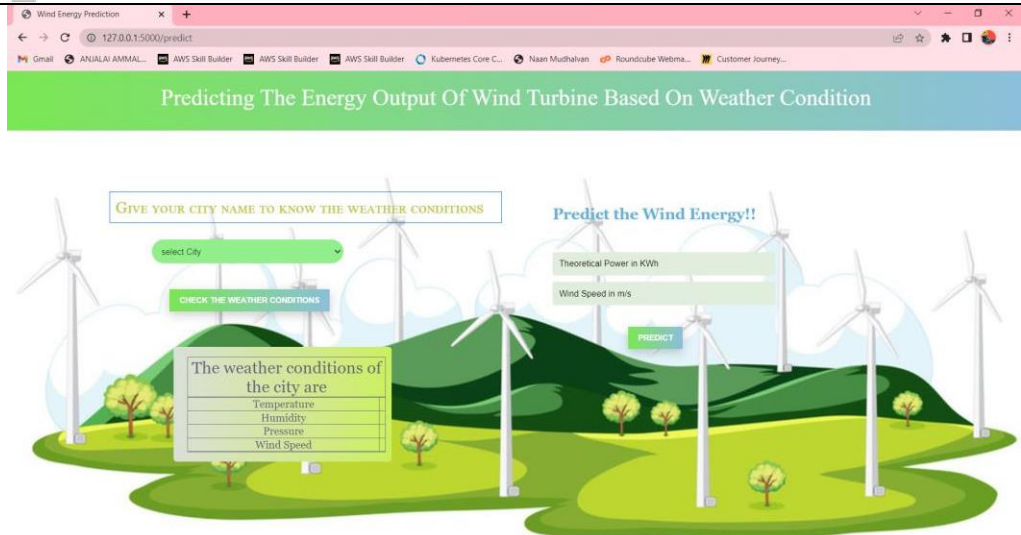


Project Development Phase Model Performance Test

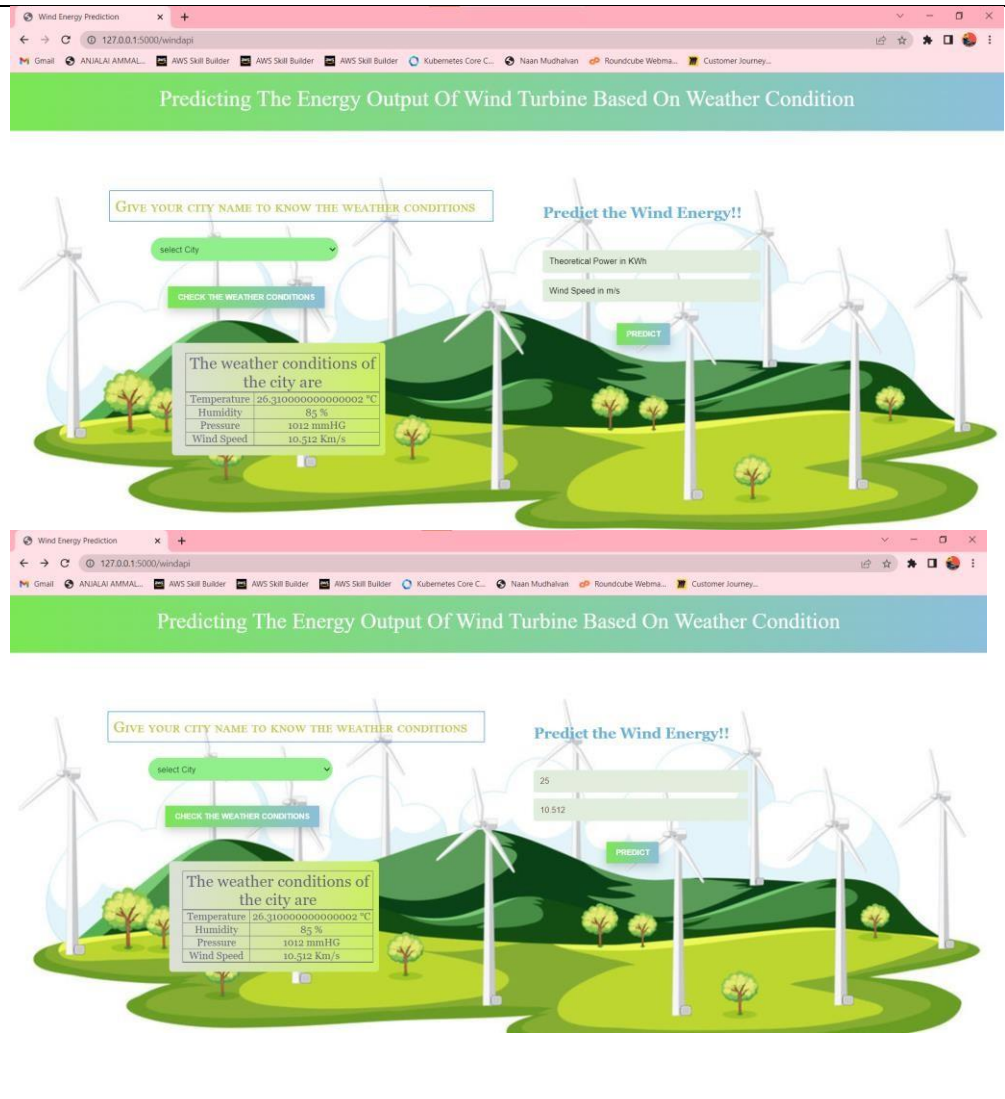
Date	18 November 2022
Team ID	PNT2022TMID48318
Project Name	Predicting the energy output of wind turbine based on weather condition
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No.	Parameter	Screenshot				
1.	Intro page Design	 <p>Predicting The Energy Output Of Wind Turbine Based On Weather Condition</p> <p>Renewable energy, such as wind and solar energy, plays an increasing role in the supply of energy worldwide. Wind energy is a key player in the field of renewable energy. In Europe, the capacity of wind energy production has doubled from 2009 to 2010.</p> <p>The amount of electricity generated by wind increased by almost 273 TWh in 2021 (up 17%), 45% higher growth than that achieved in 2020 and the largest of all power generation technologies. Wind remains the leading non-hydro renewable technology, generating 1 870 TWh in 2021, almost as much as all the others combined.</p> <p>CLICK HERE TO PREDICT THE WIND ENERGY!</p>				
2.	Predicting page	 <p>Predicting The Energy Output Of Wind Turbine Based On Weather Condition</p> <p>GIVE YOUR CITY NAME TO KNOW THE WEATHER CONDITIONS</p> <p>select City</p> <p>CHECK THE WEATHER CONDITIONS</p> <p>The weather conditions of the city are</p> <table><tr><td>Temperature</td></tr><tr><td>Humidity</td></tr><tr><td>Pressure</td></tr><tr><td>Wind Speed</td></tr></table> <p>Predict the Wind Energy!!</p> <p>Theoretical Power in KWh</p> <p>Wind Speed in m/s</p> <p>PREDICT</p>	Temperature	Humidity	Pressure	Wind Speed
Temperature						
Humidity						
Pressure						
Wind Speed						

3. Model Responsiveness



4. Metrics [model Accuracy-0.9]

Regression Model -Random Forest Regressor

