Predict The Energy Output of Wind Turbine Based on Weather Condition

Problem Statement:

❖ The user needs a way to analyze weather conditions over a region so that the user can predict wind turbine's output.

❖ The user needs to find a solution that can predict the energy output of wind turbines so that the user can ensure a study supply of Electricity from the wind energy.

❖ The user needs to find a way to produce wind energy efficiently so that more households can be ensured of less power cuts by utilizing this energy.

❖ The organization needs to find a way to accurately predict the wind energy produced so that overproduction and cost of production of wind energy can be reduced.

❖ The manufacturer needs to find a way to do something that analyzes the weather conditions of a region so that the manufacturer can choose the regions that produce high quality and quantities of wind energy.

❖ The manufacturer needs to find a way to collaborate with other power suppliers so that the wind energy produced in the market can be scaled up for more utilizations.