

PREDICTING THE ENERGY OUTPUT OF WIND TURBINE BASED ON WEATHER CONDITION

PROBLEM STATEMENTS:

- The user needs a way to analyze weather conditions over a region so that the user can predict windmill 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 steady 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 chose 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 utilization.