

PROJECT DESIGN PHASE-I

Date	28 September 2022
Team ID	PNT2022TMID28461
Project Name	Predicting the energy output of wind turbine based on weather condition.
Maximum Marks	2 Marks

PROPOSED SOLUTION

Predicting the energy output of wind turbine based on weather condition

S.No.	Parameter	Description
1	Problem Statement (Problem to be solved)	To Predict the energy output of wind turbine based on weather condition.
2	Idea / Solution description	Develop a time series model to Predict the power output of wind farm based on the weather condition in the site 1 Hr to 24 Hrs prediction .
3	Novelty / Uniqueness	Build an application to recommend the Power Grid to suggest the best time to utilize the energy from wind farm.
4	Social Impact / Customer Satisfaction	Admin can turn off the Power Grid when the power output is low.

5	Business Model (Revenue Model)	Can create a network of wind mills.
6	Scalability of the Solution	Very High Scalability