

### EDA Visualization Performance Test

Project Name	Weather Based Prediction Of Wind Turbine Energy Output - A Next Generation Approach To Renewable Energy Management
Date	14 February 2026
Team ID	LTVIP2026TMIDS83348

S.No	Parameter	Values / Notes
1	Data Rendered	Daily/Monthly wind energy output charts rendered correctly
2	Preprocessing	Missing values handled; feature scaling and encoding verified
3	Filters	Location/Date/Weather parameter filters responsive
4	Visuals Count	Correlation Heatmap, Energy Trend Line, Wind Speed vs Output Scatter, Distribution Histogram, Boxplot (5+)
5	Load Time	< 2s per chart on local deployment
6	Model Inference Time	< 1s per prediction request