

**Project Development Phase**  
**Model Performance Test**

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|---------------|---|
| Date          | 14 February 2026  |
| Team ID       | LTVIP2026TMIDS84120   |
| Project Name  | Weather-Based Prediction of Wind Turbine Energy Output: A Next-Generation Approach to Renewable Energy Management |
| Maximum Marks | 2 Marks   |

**Model Performance Testing:**

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

| S.No. | Parameter      | Values  | Screenshot |
|-------|----------------|---|------------|
| 1.    | Metrics        | <b>Regression Model:</b><br>MAE - , MSE - , RMSE - , R2 score -<br><br><b>Classification Model:</b><br>Confusion Matrix - , Accuray Score-<br>& Classification Report - |            |
| 2.    | Tune the Model | Hyperparameter Tuning -<br>Validation Method -  |            |