

Project Development Phase

Model Performance Test

Date	10 February 2026
Team ID	LTVIP2026TMIDS56025
Project Name	Exploratory analysis of rain fall data in india for agriculture
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
	Metrics	Regression Model: MAE - , MSE - , RMSE - , R2 score -	
	Tune the Model	Classification Model: Confusion Matrix - , Accuracy Score- & Classification Report - Hyperparameter Tuning -	<pre> 201] predictions2 = forward.predict(X_tanh_ran) from sklearn.metrics import classification_report,confusion_matrix print(classification_report(y_tanh_ran,predictions2)) precision recall f1-score support 0 0.67 0.43 0.56 9911 1 0.77 0.59 0.67 9911 accuracy 0.71 19822 macro avg 0.72 0.51 0.61 19822 weighted avg 0.72 0.51 0.61 19822 </pre>
		Validation Method -	<pre> 202] print(confusion_matrix(y_tanh_ran,predictions2)) [[1010 1715] [4058 5678]] </pre>