Project Development Phase Model Performance Test

Date	20th November 2023	
Team ID	Team-591827	
Project Name	Unveiling Sentiments in Political Speeches	
Maximum Marks	10 Marks	

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Metrics	precision recall f1-score support	Validation Accuracy: 0.82% Classification Report: precision recall f1-score support
		negative 0.97 0.11 0.20 803 neutral 0.92 0.81 0.86 7802 positive 0.72 0.93 0.81 5395	negative 0.97 0.11 0.20 803 neutral 0.92 0.81 0.86 7802 positive 0.72 0.93 0.81 0.86 accuracy 0.82 14000 macro avg 0.87 0.62 0.62 14000 weighted avg 0.84 0.82 0.80 14000
2.	Tune the Model	Hyperparameter Tuning -MultinomialNB,alpha Validation Method - train and test	<pre>naive_bayes = MultinomialNB() naive_bayes.fit(X_train, y_train) </pre>