

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

Date	10 February 2025
Team ID	LTVIP2026TMIDS79606
Project Name	online payments fraud detection using machine learning
Maximum Marks	

**Model Performance Testing:**

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

S.No.	Parameter	Values	Screenshot																														
1.	Model Summary		<p>Classification Report:</p> <table> <thead> <tr> <th></th> <th>precision</th> <th>recall</th> <th>f1-score</th> <th>support</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0.92</td> <td>0.50</td> <td>0.65</td> <td>1255</td> </tr> <tr> <td>1</td> <td>0.53</td> <td>0.93</td> <td>0.67</td> <td>745</td> </tr> <tr> <td>accuracy</td> <td></td> <td></td> <td>0.66</td> <td>2000</td> </tr> <tr> <td>macro avg</td> <td>0.72</td> <td>0.72</td> <td>0.66</td> <td>2000</td> </tr> <tr> <td>weighted avg</td> <td>0.78</td> <td>0.66</td> <td>0.66</td> <td>2000</td> </tr> </tbody> </table>		precision	recall	f1-score	support	0	0.92	0.50	0.65	1255	1	0.53	0.93	0.67	745	accuracy			0.66	2000	macro avg	0.72	0.72	0.66	2000	weighted avg	0.78	0.66	0.66	2000
	precision	recall	f1-score	support																													
0	0.92	0.50	0.65	1255																													
1	0.53	0.93	0.67	745																													
accuracy			0.66	2000																													
macro avg	0.72	0.72	0.66	2000																													
weighted avg	0.78	0.66	0.66	2000																													
2.	Accuracy	Training Accuracy - 80  Validation Accuracy -80	<p>Classification Report:</p> <table> <thead> <tr> <th></th> <th>precision</th> <th>recall</th> <th>f1-score</th> <th>support</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0.92</td> <td>0.50</td> <td>0.65</td> <td>1255</td> </tr> <tr> <td>1</td> <td>0.53</td> <td>0.93</td> <td>0.67</td> <td>745</td> </tr> <tr> <td>accuracy</td> <td></td> <td></td> <td>0.66</td> <td>2000</td> </tr> <tr> <td>macro avg</td> <td>0.72</td> <td>0.72</td> <td>0.66</td> <td>2000</td> </tr> <tr> <td>weighted avg</td> <td>0.78</td> <td>0.66</td> <td>0.66</td> <td>2000</td> </tr> </tbody> </table>		precision	recall	f1-score	support	0	0.92	0.50	0.65	1255	1	0.53	0.93	0.67	745	accuracy			0.66	2000	macro avg	0.72	0.72	0.66	2000	weighted avg	0.78	0.66	0.66	2000
	precision	recall	f1-score	support																													
0	0.92	0.50	0.65	1255																													
1	0.53	0.93	0.67	745																													
accuracy			0.66	2000																													
macro avg	0.72	0.72	0.66	2000																													
weighted avg	0.78	0.66	0.66	2000																													
3.	Fine Tuning Result( if Done)	Validation Accuracy -90	<p>Classification Report:</p> <table> <thead> <tr> <th></th> <th>precision</th> <th>recall</th> <th>f1-score</th> <th>support</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0.92</td> <td>0.50</td> <td>0.65</td> <td>1255</td> </tr> <tr> <td>1</td> <td>0.53</td> <td>0.93</td> <td>0.67</td> <td>745</td> </tr> <tr> <td>accuracy</td> <td></td> <td></td> <td>0.66</td> <td>2000</td> </tr> <tr> <td>macro avg</td> <td>0.72</td> <td>0.72</td> <td>0.66</td> <td>2000</td> </tr> <tr> <td>weighted avg</td> <td>0.78</td> <td>0.66</td> <td>0.66</td> <td>2000</td> </tr> </tbody> </table>		precision	recall	f1-score	support	0	0.92	0.50	0.65	1255	1	0.53	0.93	0.67	745	accuracy			0.66	2000	macro avg	0.72	0.72	0.66	2000	weighted avg	0.78	0.66	0.66	2000
	precision	recall	f1-score	support																													
0	0.92	0.50	0.65	1255																													
1	0.53	0.93	0.67	745																													
accuracy			0.66	2000																													
macro avg	0.72	0.72	0.66	2000																													
weighted avg	0.78	0.66	0.66	2000																													