

Project Development Phase
Model Performance Test

Date	9 November 2023
Team ID	Team-592529
Project Name	Project - Disease Prediction Using MachineLearning
Maximum Marks	10 Marks

Model Performance Testing:

S.No	Parameter	Values	Screenshot																																
1.	Model Summary	Training and testing accuracy with different number of features	<div><div></div><table><thead><tr><th></th><th>Number of features</th><th>Training Accuracy</th><th>Testing Accuracy</th></tr></thead><tbody><tr><td>0</td><td>8</td><td>0.244665</td><td>0.238095</td></tr><tr><td>1</td><td>9</td><td>0.264736</td><td>0.261905</td></tr><tr><td>2</td><td>16</td><td>0.432419</td><td>0.428571</td></tr><tr><td>3</td><td>22</td><td>0.565549</td><td>0.571429</td></tr><tr><td>4</td><td>33</td><td>0.784299</td><td>0.785714</td></tr><tr><td>5</td><td>49</td><td>0.893801</td><td>0.880952</td></tr><tr><td>6</td><td>61</td><td>0.942835</td><td>0.928571</td></tr></tbody></table></div>		Number of features	Training Accuracy	Testing Accuracy	0	8	0.244665	0.238095	1	9	0.264736	0.261905	2	16	0.432419	0.428571	3	22	0.565549	0.571429	4	33	0.784299	0.785714	5	49	0.893801	0.880952	6	61	0.942835	0.928571
	Number of features	Training Accuracy	Testing Accuracy																																
0	8	0.244665	0.238095																																
1	9	0.264736	0.261905																																
2	16	0.432419	0.428571																																
3	22	0.565549	0.571429																																
4	33	0.784299	0.785714																																
5	49	0.893801	0.880952																																
6	61	0.942835	0.928571																																
2.	Accuracy	Training Accuracy - 0.888465447154471 Validation Accuracy 0.891260162601626	<div>The Training Accuracy of the algorithm is 0.88846 The Validation Accuracy of the algorithm is 0.891 The Testing Accuracy of the algorithm is 0.9047619</div>																																