




## Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID06097
Project Name	Statistical Machine Learning Approaches to Liver Disease Prediction
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	<div>Classification Model: Random Forest Confusion Matrix - [[69, 23], [15, 10]], Accuray Score- : 67.52136752136752 Classification Report –</div> <table><thead><tr><th></th><th>Precision</th><th>Recall</th><th>F1 - score</th><th>Support</th></tr></thead><tbody><tr><td>1</td><td>0.74</td><td>0.83</td><td>0.79</td><td>84</td></tr><tr><td>2</td><td>0.39</td><td>0.27</td><td>0.32</td><td>33</td></tr><tr><td>Accuracy</td><td></td><td></td><td>0.68</td><td>117</td></tr><tr><td>Macro avg</td><td>0.57</td><td>0.55</td><td>0.55</td><td>117</td></tr><tr><td>Weighted avg</td><td>0.65</td><td>0.68</td><td>0.66</td><td>117</td></tr></tbody></table>		Precision	Recall	F1 - score	Support	1	0.74	0.83	0.79	84	2	0.39	0.27	0.32	33	Accuracy			0.68	117	Macro avg	0.57	0.55	0.55	117	Weighted avg	0.65	0.68	0.66	117	<div>Confusion matrix:</div>  <div>Accuracy Score &amp; Classification Report:</div> 
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2.	Tune the Model	<div>Hyperparameter Tuning - 0.75 Validation Method – k-fold</div>	<div>Hyperparameter Tuning:</div>  <div>Validation Method:</div> 