Project Development Phase
Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID14570
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	**Classification Model:** **Random Forest** Confusion Matrix - [[69, 23], [15, 10]], Accuray Score- : 67.52136752136752 Classification Report – <table><tr><td></td><td>Precision</td><td>Recall</td><td>F1 - score</td><td>Support</td></tr><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></table>	Confusion matrix: Accuracy Score & Classification Report:
2.	Tune the Model	Hyperparameter Tuning - 0.75 Validation Method – k-fold	Hyperparameter Tuning: Validation Method: