



Model Development Phase Template

Date	12 July 2024
Team ID	SWTID1720092248
Project Title	Revolutionizing Liver Care: Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques
Maximum Marks	4 Marks

Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

Initial Model Training Code:

Paste the screenshot of the model training code

Model Validation and Evaluation Report:

Model	Classification Report	Accuracy	Confusion Matrix			
logistic regres	Screenshot of the classification report	0.996606	Confusion Matrix for logistic regression - 800 -			





logistic regres sion CV	Screenshot of the classification report	0.996606	Confusion Matrix for logistic regression CV -800 -700 -600 -500 -600 -800 -800 -800 -800 -800 -900 -900 -9
XGBoost		0.997738	Confusion Matrix for XGBoost - 600 - 700
Ridge classifi er		0.977376	Confusion Matrix for Midge classifier
KNN		0.935520	Confusion Matrix for XNN - 800 - 700 - 600 - 500 - 600 - 500 - 800 - 200 - 30
Random Fore st		1.000000	Confusion Matrix for Random Forest - 800 - 700 - 600 - 500 - 600 - 600 - 700 - 600 - 700





Support Vect or Classifier		Confusion Matrix for Support Vector Classifier - 860 - 700 - 860 - 700 - 700 - 700			- 700 - 600
	0.997738	e e e	2 0 Predic	16 ted	- 400 - 300 - 200 - 100 - 0