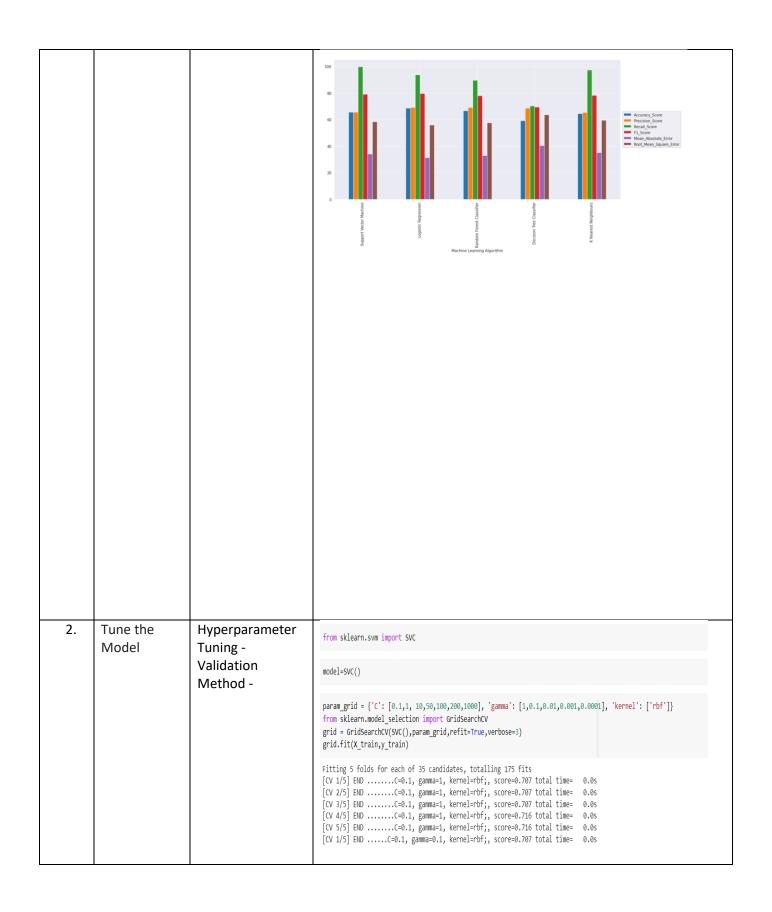
## Project Development Phase Model Performance Test

Date	17 November 2022
Team ID	PNT2022TMID53565
Project Name	Project – Statistical machine learning
	approaches to liver disease prediction
Maximum Marks	10 Marks

## **Model Performance Testing:**

S.No.	Parameter	Values	Screenshot							
1.	Metrics	Regression Model: MAE - , MSE - , RMSE - , R2 score	Support Vector Machine Confusion matrix							
			[[115							
		-	Accurac		J					
	Classification Model: Confusion Matr - , Accuracy Score- & Classification	Model: Confusion Matrix - , Accuracy	Machine Learning Algorithm Accuracy_Score							
			<b>0</b> Support Vector Machine 65.7						65.714286	
			Classification report							
					precisi	on	recall f1	-score s	support	
		Report		1	0.0	56	1.00	0.79	115	
				2	0.0	90	0.00	0.00	60	
		а	ccuracy				0.66	175		
				cro avg ted avg	0.1 0.4		0.50 0.66	0.40	175	
			Comparison with other models  Machine Learning Algorithm Accuracy, Score Precision, Score Recall, Score F1, Score Mean, Absolute, Error Root, Mean, Square, Error							
			0 Support	Vector Machine	65.714286	65.714286	100.000000 79.310345	34.285714	58.554004	
			-	istic Regression	68.571429	69.230769	93.913043 79.704797	31.428571		
				Forest Classifier	66.857143	69.127517		33.142857		
				n Tree Classifier est Neighbours	59.428571 64.571429	68.644068 65.497076	70.434783 69.527897 97.391304 78.321678	40.571429 35.428571		
			4 K Near	est Neighbours	64.571429	65.497076	97.391304 78.321678	35.42857		



GridSearchCV(estimator=SVC(),								
] svm_predictions=	grid.predict(X_test	:)						
	precision	recall	f1-score	support				
0	0.00	0.00	0.00	43				
1	0.75	1.00	0.86	132				
accuracy			0.75	175				
macro avg	0.38	0.50	0.43	175				
weighted avg	0.57	0.75	0.65	175				

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