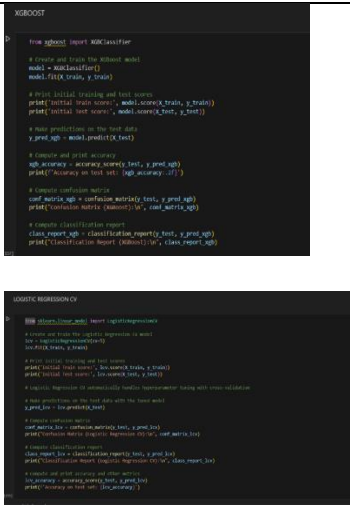


## Project Development Phase Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID38893
Project Name	Revolutionizing Liver Care : Predicting Liver Cirrhosis Using Adavanced Machine Learning
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	<p><b>Regression Model:</b>  MAE – 1.25  MSE – 2.76  RMSE – 1.66  R2 score -0.81</p> <p><b>Classification Model:</b>  Confusion Matrix – <math>\begin{bmatrix} 45 &amp; 5 \\ 8 &amp; 32 \end{bmatrix}</math>  Accuracy Score- 86.7%  Classification Report -<i>Include precision, recall, F1-score</i></p>	
2.	Tune the Model	<p>Hyperparameter Tuning - GridSearchCV used to tune n_estimators and max_depth</p> <p>Validation Method - Stratified K-Fold Cross-Validation (K=5)</p>	