**Project Development Phase**

**Model Performance Test**

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| Date | 23 June 2025 |
| Team ID | LTVIP2025TMID38618 |
| Project Name | Revolutionizing Liver Care : Predicting Liver Cirrhosis using Advanced Machine Learning Techniques |
| Maximum Marks | 10 Marks |

**Model Performance Testing:**

The models were evaluated using accuracy, Confusion Matrix, Classification Report. Random Forest achieved the best performance.

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Metrics | **Regression Model:** MAE - , MSE - , RMSE - , R2 score -  **Classification Model:** Confusion Matrix - , Accuray Score- & Classification Report - |  |
|  | Tune the Model | Hyperparameter Tuning -  Validation Method - |  |