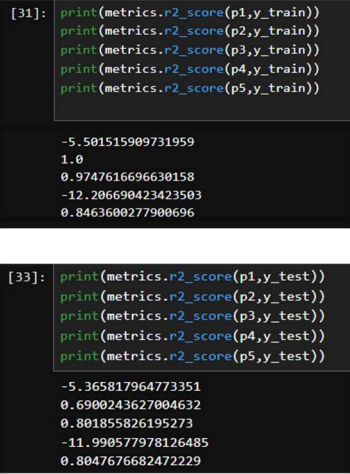


## Project Development Phase Model Performance Test

Date	26 June 2025
Team ID	LTVIP2025TMID32654
Project Name	TrafficTelligence: Advanced Traffic Volume Estimation with 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	<b>Regression Model:</b> RMSE - 796.1464920131339, R2 score - 0.801855826195273	 <pre> [31]: print(metrics.r2_score(p1,y_train))       print(metrics.r2_score(p2,y_train))       print(metrics.r2_score(p3,y_train))       print(metrics.r2_score(p4,y_train))       print(metrics.r2_score(p5,y_train))  -5.501515909731959 1.0 0.9747616696630158 -12.206690423423503 0.8463600277900696  [33]: print(metrics.r2_score(p1,y_test))       print(metrics.r2_score(p2,y_test))       print(metrics.r2_score(p3,y_test))       print(metrics.r2_score(p4,y_test))       print(metrics.r2_score(p5,y_test))  -5.365817964773351 0.6900243627004632 0.801855826195273 -11.990577978126485 0.8047676682472229 </pre> <pre> [282]: MSE = metrics.mean_squared_error(p3,y_test)  [283]: np.sqrt(MSE)  [283]: 796.1464920131339 </pre>