IDEATION PHASE

LITERATURE SURVEY

DATE	10 September 2022
TEAM ID	PNT2022TMID15449
PROJECT NAME	Machine Learning Based Vehicle Performance Analyzer

Literature Survey:

S.No	Title & Author	Year	Method	Proposed System
1	Machine Learning-Based Energy Management in a Hybrid Electric Vehicle to Minimize Total Operating Cost- Xue Lin, Paul Bogdan, Naehyuck Chang, Massoud Pedram	2016	focusing on the minimization of the operating cost	Electric vehicles ,hybrid electric vehicles have been gaining market share nowadays in the automotive market due to the concerns about large amounts of fuel consumption and pollution resulted from the conventional internal combustion engine vehicle By integrating electric motors into the vehicle propulsion system, achieve higher energy efficiency and lower pollution emission compared with the conventional vehicles
2	Machine learning based real-time vehicle data analysis for safe driving modeling- Pamul Yadav, Sangsu Jung, Dhananjay Singh	2019	evaluate the Meta features of vehicles	This paper identifies a necessity to evaluate the Meta features of vehicles which could be helpful in improving the vehicle driver's skill to prevent accidents and also evaluate

			change in the quality of cars over passing time	the change in the quality of cars over passing time. This paper does an analysis of the vehicle data using supervised learning based linear regression model that is used as an estimator for Driver's Safety Metrics and Economic Driving Metrics.
3	Vehicle Acceleration Prediction Based on Machine Learning Models and Driving Behavior Analysis-Yajie Zou , Lusa Ding 1 , Hao Zhang	2022	Long Short-Term Memory and Gate Recurrent Unit are used to predict the vehicle Speed	Accurate vehicle acceleration prediction approaches can promote the development of Advanced Driving Assistance Systems (ADAS) and improve traffic safety. However, few prediction models consider the characteristics of individual drivers, which may overlook the potential heterogeneity of driving behavior.

References:

https://ieeexplore.ieee.org/document/7372628

https://www.researchgate.net/publication/332816177_Machine_learning_based_real-time_vehicle_data_analysis_for_safe_driving_modeling

https://www.mdpi.com/2076-3417/12/10/5259/pdf?version=1653297454