LITERATURE SURVEY

S.No	PAPER TITLE	TECHNOLOGIES USED	DESCRIPTION
1	Machine learning based real-time vehicle data analysis for safe driving modeling	Supervised Learning, Linear Regression, Statistical Analysis, Automotive Vehicle Data	This study highlights the need to assess vehicle Meta features that could assist drivers become more adept at avoiding collisions and assess how the quality of cars has changed over time.
2	Machine learning and statistical analysis in fuel consumption prediction for heavy vehicles	Linear regression (LR), K-nearest neighbor (KNN) and Artificial neural networks (ANN)	In this work, approaches for estimating fuel consumption in heavy trucks using statistical analysis and machine learning (ml) are evaluated. The goal is to forecast fuel usage in litres per km using past data detailing driving circumstances.
3	Comparative Analysis on the Prediction of Road Accident Severity Using Machine Learning Algorithms	Logistic regression (LR), classification and regression tree (CART), and random forest (RF)	Prediction algorithm is used for predicting the occurrence of road accidents, and classification algorithm is used for categorizing the severity of road accidents into fatal, severe and mild injury.
4	Vehicle Re-Identification Based on Deep Learning	Deep learning, intelligent transportation system, vehicle re-identification, vehicle public datasets.	One of the key technologies of intelligent transportation systems, vehicle re-identification is essential for the development of smart cities.

5	Performance of Motor Vehicle based on Driving and Vehicle Data using Machine Learning	Multiple linear regression, Artificial neural network, Support vector regression, XG BOOST and Linear SVR	The main goal of this study was to use machine learning techniques to create a model that accurately forecasts fuel efficiency and to suggest the best driving habits and vehicle specifications for increased fuel economy.
6	Real Time Machine Learning Based Car Detection in Images With Fast Training	Redness features - RGB COLOR, Edge orientation features - greyscale sobel gradient mask, AdaBoost algorithm	Building quick and accurate object recognizers for photos using minimal training sets is the main goal. This is crucial when building the training set manually, like in the example that we looked at: identifying the Honda Accord 2004 from rear shots.
7	Car Price Prediction using Machine Learning Techniques	Artificial neural network, Random forest and Support vector machine	Machine Learning-Based Prediction of Car Prices The prediction of car prices is one of the key topics of machine learning research. Its foundations are in the fields of finance and marketing. The price of an automobile relies on a variety of parameters, making it a significant research topic in machine learning.
8	Vehicle Detection and Tracking Using Machine Learning Techniques	Support Vector Machine (SVM) and Decision Tree (DT) algorithms have been developed for the detection and tracking tasks.	Machine learning techniques have been used in various sectors for more than 20 years in an effort to provide more precise, effective, and efficient solutions. This study aims to identify automobiles in photos and videos.
9	Artificial Neural Network Based Driver Modeling for Vehicle Systems	Artificial Neural Networks algorithms	Driver Modeling for Vehicle Systems Using Artificial Neural Networks 2013-01-2860 A forward-looking vehicle system model's ability to effectively predict vehicle performance depends on the driver modelling..

			The ANN was created by a driver based on an actual accelerator pedal to follow a medium duty truck's regular drive cycle on a chassis dynamometer
10	A Machine Learning Model For Average Fuel Consumption in Heavy Vehicles	Python, Django, MySQL, MySQL client, WampServer 2.4, Artificial neural network	The fuel usage across the distance travelled within the same time period is the study's output. The input is aggregated in the time domain over intervals of 10 minutes.