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 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 the change in the quality of cars over passing 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)	This study evaluates methods of machine learning (ml) and statistical analysis for predicting fuel consumption in heavy vehicles. The idea is to use historical data describing driving situations to predict a fuel consumption in liters per distance.
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.	Vehicle re-identification is one of the core technologies of intelligent transportation systems, and it is crucial for the construction 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 primary objective of this paper was to develop a model using machine learning techniques which precisely predicts the fuel efficiency and to propose the optimum driving style and vehicle characteristics to achieve better fuel efficiency.
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	The primary interest is to build fast and reliable object recognizers in images based on small training sets. This is important in cases where the training set needs to be built mostly manually, as in the case that we studied, the recognition of the Honda Accord 2004 from rear views.
7	Car Price Prediction using Machine Learning Techniques	Artificial neural network, Random forest and Support vector machine	Car Price Prediction with Machine Learning One of the main areas of research in machine learning is the prediction of the price of cars. It is based on finance and the marketing domain. It is a major research topic in machine learning because the price of a car depends on many factors.
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.	More than two decades machine learning techniques have been applied in multidisciplinary fields in order to find more accurate, efficient and effective solutions. This research tries to detect vehicles in images and videos
9	Artificial Neural Network Based Driver Modeling for Vehicle Systems	Artificial Neural Networks algorithms	Artificial Neural Network Based Driver Modeling for Vehicle Systems 2013-01-2860 Modeling of driver plays an important role in predicting vehicle performance accurately by a forward looking vehicle system models.The ANN

			developed based on a real accelerator pedal by a driver to follow standard drive cycle for a medium duty truck 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	In this study, the input is aggregated in the time domain over 10 minutes intervals and the output is fuel consumption over the distance traveled during the same time period.