**-: project report :-**

* Introduction :- I have created my major project 2 regarding the K Means Clustering. It is an Unsupervised learning Algorithm, which groups the unlabelled dataset into different clusters. Here K defines the number of pre-defined clusters that need to be created in the process, as if K=2, there will be two clusters, and for K=3, there will be three clusters, and so on. It allows us to cluster the data into different groups and a convenient way to discover the categories of groups in the unlabelled dataset on its own without the need for any training. It is a centroid-based algorithm, where each cluster is associated with a centroid.
* **Experiment :-** Here I have taken the dataset where we have been given the driver data which have the mean distance/day and mean over speed in the dataset.
* **Work Done :-** Here I have done K Means Clustering to make the data into clusters i.e. into labelled dataset. I have already attached the .ipynb file. I have used the elbow’s method and the Silhouette Score method to make the clusters.
* **Conclusion :**- It can be concluded that I was able to complete the clustering using above two methods and successfully created the clustering and it is working fine.