**Capstone project on Chennai Neighborhood**

**Chennai is the capital of Tamilnadu, a southern state in India. According to the 2011 Indian census,** it is the [sixth-most populous city](https://en.wikipedia.org/wiki/List_of_most_populous_cities_in_India) and [fourth-most populous urban agglomeration in India](https://en.wikipedia.org/wiki/List_of_million-plus_urban_agglomerations_in_India). The city together with the adjoining regions constitutes the [Chennai Metropolitan Area](https://en.wikipedia.org/wiki/Chennai_Metropolitan_Area), which is the [36th-largest urban area by population in the world](https://en.wikipedia.org/wiki/List_of_urban_areas_by_population).

As part of this project , we will be analysing the Chennai neighbourhood by taking the Chennai neighbourhood data from Wikipedia and scrapping the data for further analysis.

By using Four square API, the geographic data will also be taken and it will be merged with scrapped Wikipedia data on neighbourhoods.

Once it is done, clustering the neighbourhood data using K-Means clustering Algorithm will be carried out.. Finally these clusters help the various stake holders to establish their businesses, to sell the houses so on.

The 2015 flood data also can be taken and it will be analysed for the susceptivity towards excess flooding.