

# PROJECT REPORT

## **Project Name:**

Neighborhood Exploration in Toronto

## **Introduction:**

ABC is a company based in Toronto for organizing events, currently it works on a project to organize an event for 5 days for a group of photographers from all over the world. The company has to put a good program, including a hotel of residence, a hall for meetings, places of landscape to visit, stores for shopping, restaurants and cafes. So the company's purpose is to make a list of places of landscape in Toronto, including the nearest restaurants, cafes, and shopping stores for each place.

## **DATA:**

The data used in this project is provided by Foursquare location data. The data are grouped by landscape area, and each area included the information about this area and all information about restaurants, cafes, and stores which in this area.

## **Methodology:**

- 1) Scraped the Data from Wikipedia and used Foursquare API for getting location details.
- 2) Performed Exploratory Data Analysis to get the information of areas in which requirements were available in clusters.
- 3) Searched for requirements and cleaned the data frames generated.

## **Results:**

Identified clusters of the user requirements and visualized the clusters on map for better understanding.