## Lab Assignment #5

Due Date:      Week 10.

Purpose:       The purpose of this lab assignment is to:
- Develop Android applications with LBS capabilities

References:    Textbook, ppt slides and Android tutorials
               (http://developer.android.com/guide/topics/location/index.html). This material
               provides the necessary information that you need to complete the exercises.

Be sure to read the following general instructions carefully:
        - This assignment can be completed by working in pairs, using **pair programming**
        technique.
        - You will have to **demonstrate your solution in a scheduled lab session** and upload the
        solution on eCentennial through Assessments link

## Exercise 1

Write an Android app that allows users to locate various restaurants in the city of Toronto. Your interface should display a list of available restaurants and their address. The application should display the **map and satellite map** of the restaurant whenever user selects the name in the list.

Make sure to classify restaurants according to their **cuisine**. For example: italian, greek, chinese, indian, etc. The first activity shows a list of different cuisines. Other activities show the **list** of restaurants belonging to the selected cuisine. When user selects a restaurant, another activity shows the map with a **marker** pointing to the selected restaurant.

Provide a friendly and nice UI. Use ListView controls for displaying the list of cuisines and restaurants. Use styles to create nice displays of lists.

                                                                                      (10 marks)

**Evaluation:**

| | |
|---|---|
| **Functionalities**: All working, proper naming of activities, variables, and methods. Provide comments. Provide explanation when asked during the demonstration of the app. | 75% |
| **UI friendliness** (proper layout, controls, styles, themes, images) | 15% |
| **Declaring resources** in proper resource files | 5% |
| **Innovative features** | 5% |
| **Total** | **100%** |