**Mini-Project Synopsis**

**Advanced Programming Lab (ICT 3166)**

1. **Project Title: Travel Planner**
2. **Abstract**

The aim of our project is to create an all-in-one model for customers to help them in planning their trip, such as selecting city,places, attractions, restaurants, booking hotels, calculating expenses, etc. This will help the users to save their time and plan the desired trip.

1. **Project Details:**

In our project we’ll be having three types of interfaces which will include user, moderator and administrator. Users will be able to login and see a list of cities, places, attractions, etc. there. They’ll also be able to see information about that specific place, depending on which they can add suitable things to their cart. Moderator will have the option to edit places and locations depending on the current scenario. Most importantly there will be an interface for the administrators which will allow them to manage and see the details of moderators and users.

1. **Expected Result:**

The expected result for this project is to be able to create a working model that replicates a travel booking system such as that of Make my Trip or any other website. We aim to have a simple to use and clean UI (User Interface) for the project. By the end of the project, we want to have a good understanding of python as a development language and the supportive tools that come with it.

1. **Python programming Concepts used:**

Classes and inheritance

Connectivity with database using firebase

Python GUI (Tkinter)

Modules and Functions