

**Final Year Project Report**

**EXPLORE PAKISTAN**



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## **Dedication**

We dedicate this project to all those teachers who were involved in our learning process from the very start and throughout our educational careers.

We also dedicate this dissertation to our many friends and family who have supported us throughout the process. I will always appreciate all they have done to help us in any way possible to get the work done.

## Final Approval

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## **Acknowledgment**

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**Project Title:** Explore Pakistan  
**Objective:** To help people make trip plans and travel conveniently.

**Undertaken by**

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**Operating System:** Windows 10

## Abstract

The problem of planning a trip without having any related experience and being unaware of the locations to travel and the budget required to travel. Affects people who are not regular travelers or in other words inexperienced about planning a trip. A successful solution would be planning a trip as per time and budget constraints and discovering new places. If someone would try to cover all the areas and explore every hidden place, then he would have a fear of running out of time and money which would be a huge setback for the whole trip because if someone is travelling this far then he would want to explore every single place. So, what if he can get all the information of beautiful places with exact longitude and latitude and with the estimated budget so that later he won't have any fear of getting out of money and in addition a proper guidance to reach the destination at a single click. This would be of a great help to someone who is not a regular traveler.

We are developing an android application for the users on the go and a website which will have the same functionalities other than some features like nearby places and download city maps because it just don't make any sense to add such features for a website. If the user wants to use these features then he can download our android application.

We will devise plans according to user's budget, time on hand and interests. On the other hand there will be a facility of estimating a budget according to user's inputs i.e. where he wants to go? How much time he has? Current petrol price, what type of hotel he wants to visit? Millage of his vehicle that will be used for the trip? And the system will calculate the budget for the given inputs. The calculations will be very precise and will match the actual budget spent on that trip.

Also that user's personal information will be secured through a login. There are many other features that will entertain user's requirements while he is on the go i.e.

- Nearby places
- Most visited trips
- Rate and review a plan
- Notify other users about any hindrance
- Suggested places
- Download city maps for offline use

In short, application and website both will be easy to use and responsive and the users will be satisfied by the facilities we are providing.

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## Definitions and Acronyms

<b>Acronym</b>	<b>Definition</b>
UMT	University of Management and Technology
POS	Point of Sale
SQL	Structure Query Language
PHP	Personal Home Page
OS	Operating System
TB	TeraByte
GB	GigaByte
RAM	Random Access Memory
ATM	Automated Teller Machine
DBMS	Data Base Management System
GCM	Google Cloud Messaging
ERD	Entity Relation Diagram
XML	eXtensible Markup Language
HTML	Hypertext Markup Language
CSS	Cascading Style Sheet
CPU	Central Processing Unit
GPS	Global Positioning System
SDK	System Development Kit
UCID	Use Case ID
TID	Test case ID
RID	Requirement ID

**Table 1: Table of acronyms and definitions**

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# 1. INTRODUCTION

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## 1.1 Motivations

Last winter holidays we friend decided to make a trip to northern areas of Pakistan but none of us had a previous experience of going there so we were totally unaware about the time and budget cost for that trip. Then we decided to take help from Google but we found no reference application that would help us to make that trip, we found some relevant applications on android play store but none of them was working in Pakistan. Then we came up with the idea to create an app which would help the tourists or travelers to plan their trip per their time and budget. The related apps we found on play store did not have enough or sufficient details or relevant images of the locations which clicked the idea of adding 360° images which were never used before and adding the details of locations people would visit