A Project Report

On

**Tourist Information Site**

Submitted in the fulfillment of the Requirement of

Project – II

Bachelors in Computer Engineering

**Submitted to:**



**Purbanchal University**

Biratnagar, Nepal

Submitted By:

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 24th September, 2021

**Topic Approval Sheet**

It is hereby informed that the topic selected by Sachin Shrestha, Lakpa Sherpa and Sagyan Shrestha of Bachelor of computer engineering, Semester V for their semester project has been found suitable and as per the credit assigned by Purbanchal University (PU), Biratnagar, Nepal.

The project committee has approved the following topic for the above mention students.

**Topic Assigned: Website for Travel Guide for Tourists.**

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 Bikash Neupane

Asst. professor

Project coordinator

**Certificate from Supervisor**

The Evaluation Committee has approved and recommended to the Department of Science and Technology for acceptance of this project report entitled “Tourist Information Site” submitted by:

Sachin Shrestha

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**Evaluation Committee**

Mr. Ramesh Parajuli

Supervisor,

Kantipur City College

(---------------------------------------)

External Examiner

Mr. Raju Kattel

Head of the Department of IT

Kantipur City College

Date:

**Acknowledgement**

I would like to express our appreciation to all those who provided us the possibility to complete this project. A special gratitude we give to our project supervisor, Er. Ramesh Parajuli sir whose contribution in providing guidance suggestions and encouragement, helped us to successfully complete our project.

Furthermore, we would also like to acknowledge with much appreciation to our Project Coordinator Sir who gave us motivation in making our project.

We have to appreciate the guidance given by other supervisor as well as the seniors especially in our project presentation that has improved our presentation skills thanks to their comment and advices.

**Project Abstract:**

 The project is a website specifically designed as guide for tourists. Any tourist when in need of guide for travel destination, things to do or places to go then it would be easy place in website for them to find it. Not only that but also with regular weather report, list of popular and other important locations and interesting things to do as per interest of individual any person foreigner or non-foreigner can easily make plans to visit somewhere or go on vacation or trip. Also, there is log in and sign-up feature that people will be able to use so that they can customize the guide provided by website according to their liking.

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**Chapter 1: Introduction**

* 1. **Project Introduction**

The project currently just called “Tourist Information Site” is specific website for tourists from anywhere to find out any interesting place or activity that they could visit to and have fun as their interest. The website mostly focuses on Kathmandu Valley for now. The website is mostly interactive experience as any individual can select their preferences and find proper recommendations for what they want. Recommendation might range from things to do like hiking, visiting culturally important places, finding interesting cuisines to taste or places to visit within a district or specific area that the user is in. The website will include embedded Google Maps for people to be able to visualize their location.

It will also include Log In and Sign-Up features, though they won’t be mandatory people who sign up might be able to bookmark or favorite any location/activity that they want to visit or have liked very much so that the user will be reminded if near such location to visit them or also get recommendation of similar location/activity.

**1.2 Objectives**

The objectives of this projects are:

* To create a live and functioning website.
* To enhance knowledge on web design and development.
* To learn more about web development languages like HTML, CSS, JavaScript.
* To be fluent on front end and back end of web development process.
* To create proper yet clean website that is effortless to access.

**1.3 Project Features**

The features of this project are listed below.

* Has multiple guides for tourist to visit interesting places.
* Has guides for tourist of specific interest like cuisine, hiking, sightseeing, cultural significance, extreme sport.
* Has all basic information such as paperwork requirement and law of the country.
* Has all information about police, fire department, hospitals, airports, etc.
* Has frequent weather updates for most locations.
* Has information about exotic and rare flora and fauna.
* Has Sign Up and Log In feature.
* Can have bookmark and favorite markings available for signed up users.
* Search system that can be customized as per demand of the user and their interests.
* Has information about Movie Theatres, Theatres, Nightlife areas.
* Can have information on estimated expense per day per person when travelling to or staying on location.
* Has recommendation for interesting Food/Cuisine, Fashion, Music and Events.

**1.4 Significance of the Project**

This project was thought of as making travelling to any location as less haunting or irritating as possible. Lack of proper information and websites while travelling to Nepal is prevalent for foreign tourists and tourists from within the country. However, this website tries to solve the problem by providing tourists with more option to find whether it maybe location/place or any activity that the person is fascinated with. If someone likes cuisine then they can search for such location or hotels to taste premium or home cuisine as they like, maybe someone likes extreme sports such as rafting, bungy jumping, paragliding etc. they will be directed towards similar activity and availability according their input.

In short, the website is a way to express freedom for those who are travelling. No one needs to rely on just “travelling agencies” which are expensive but any one with few clicks can find nearly everything they need when travelling whether it is about hotels to stay or things to do and places to go. Nobody has to be constricted by few days or weeks of plans that they didn’t make, everyone can make their decision on their own will while being sure that they have interesting yet accurate information on every bit they need.

**1.5 Problem Statement**

**1.6 Assignment of Responsibility**

This project was completed by a team of three people listed below along with their respective responsibility.

1. **Sachin Shrestha:** 
   1. Searching and Finding the resources
   2. Coding and Debugging.
   3. Testing and Documenting.
2. **Lakpa Sherpa:** 
   1. Coding and Debugging
   2. Arranging and Testing.
   3. Documenting
3. **Sagyan Shrestha:** 
   1. Searching and Arranging
   2. Coding and Testing
   3. Documenting.

**Chapter 2: System Analysis**

**2.1 Software development model**

Our development process is based on the **Incremental model**, split into several iterations.

New software modules can be added in each iteration with no or little change in earlier versions.

It can go for development either sequentially or in parallel.

Parallel development adds to the speed of delivery, while many repeated cycles of sequential development can make the project in cost of more money and time.

**2.2 Requirement Specification**

**2.2.1 Functional Requirements:**

Our Project consists following functions:

In this project User can navigate the place through our website about its surrounding, life styles, weather, expenses, culture, food, cuisines and many luxurious activities.

**2.2.2 Non-functional requirements:**

**2.3 Feasibility Study:**

Technical: Updated Browsers and new software easily runs the new events and the new features in order to make responsive and clear website.

Economical: …

Legal: ….

**Total Time:**

**Chapter 3: System Design**

**3.1 System Architecture /Activity diagram (UML of the website)**

**3.2 Database Design**

**3.3 UI/UX design**

**Chapter 4: System Development and Implementation**

**4.1 Programming Platform**

• Front-end: HTML 5, CSS 3, JS, php 6

**4.2 Operating environment:**

Browser: Microsoft Edge ver.9

Debugger: Edge Dev tool 93

Server: Xampp v 7

**4.3 Minimum Requirement:**

Hardware requirement:

Processor: Intel® Pentium® 4 or AMD Athlon™ desktop processor 2 GHz faster

Storage: 1 GB or more available hard disk space

Memory: 2gb RAM

OS:Windows Server, Linux, or any operating system that can run as a webserver, capable of delivering HTML5 content, including media-files like MP3, MP4.

**4.4 Testing and debugging:**

**4.5 Implementation and Result analysis:**

**Chapter 5: Conclusion and Future Enhancement**

**5.1 Conclusion:**

**5.2 Future Enhancements**

This project is thought on the basis that this project doesn’t have to end here, the further development and updating this webpage could make it more polished and professional.