Travel Booking Website

MINI PROJECT – II
SYNOPSIS

Department of Computer Science & Application

Institute of Engineering & Technology

SUBMITTED TO:-   SUBMITTED BY: -

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<u>ACKNOWLEDGEMENT</u>

It gives us great pleasure to present the synopsis of the   B.Tech mini-project undertaken during B. Tech III Year. This project is going to be an acknowledgement of the inspiration, drive and technical assistance that will be contributed to it by many individuals. We owe a special debt of gratitude to Mr. Bhanu Kapoor (Technical Trainer) for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work.

His sincerity, thoroughness and perseverance have been a constant source of inspiration for us. We believe that he will shower us with all his extensively experienced ideas and insightful comments at different stages of the project & also teach us about the latest industry-oriented technologies. We also do not want to miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and cooperation.

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<u>DECLARATION</u>

We hereby declare that the work which is being presented in the project synopsis "**Travel Booking Website**" in partial fulfilment of the requirement for the project is an authentic record of our work carried under the supervision of **Mr. Bhanu Kapoor, Technical Trainer, GLA University, Mathura** during session **2022-23**.

Mentor: Mr. Bhanu Kapoor   Sign: _____

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INTRODUCTION

Web Development is the ability to develop websites and user-friendly web applications. After learning HTML, CSS, JavaScript and PHP, we made up a website based on Travel Booking. Here came the need for a website where the user can easily book his/her trip based on real-time data provided by the user. We needed a user interface through which users could easily interact and access the services provided by the website so we came up with the idea of developing a Travel Booking Website.
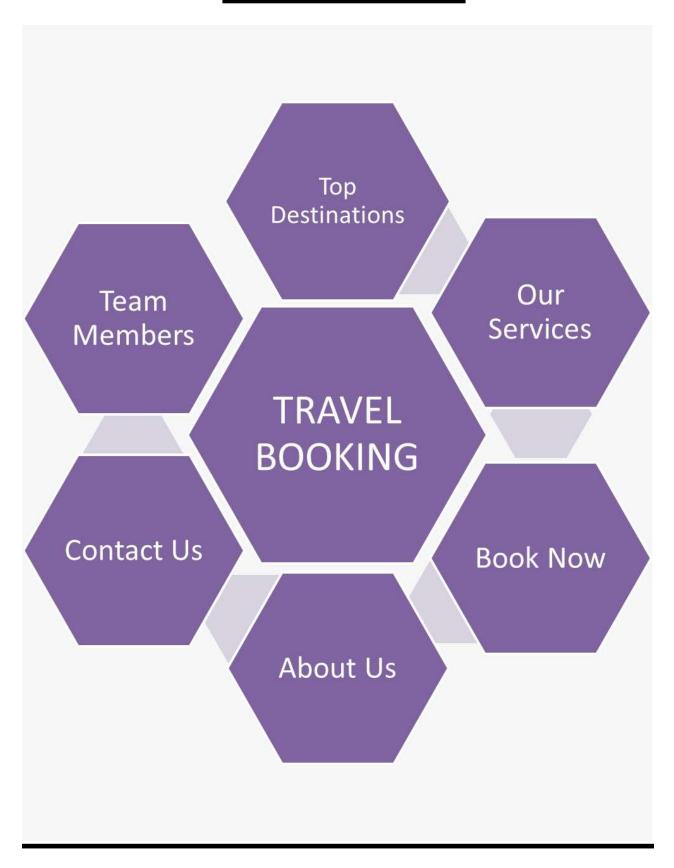
Travel Booking Website will be one the best project for all our past, present, and future web developments. It will excellently showcase our skills, help us to keep a record of our developments and help in their better maintenance.

With this idea in our thoughts, we chose **Travel Booking Website** as our mini project and hope we shall be successful in accomplishing it.

SOFTWARE AND HARDWARE REQUIREMENTS

- HTML, CSS , JAVASCRIPT and PHP
- VS CODE
- Google Firebase
- Version Control and Hosting: GitHub
- Processor: i5 or above
- Minimum 4GB RAM
- Windows Operating System

DATA FLOW DIAGRAM

PROJECT DESCRIPTION

The purpose of this project is to develop a fully responsive website for displaying web games using HTML, CSS, JAVASCRIPT and PHP. The games will serve as a medium to enhance mental abilities.

The entire website will be divided into various sections such as: - Home, Book Now, About Us, Top Destinations, Services, Connect With Us, Feedback and Footer. The roles of the sections are as follows:

Home: It will have the homepage banner along with some images which will give a better idea about the website. After this will be a short description of the wonderful platform. The website will open with the home page. The navigation bar will help the user to quickly navigate to the desired section.

Book Now: This section contains a Booking Form which will help the user to fill out information such as name, destination, number of people and number of days of the trip which will be stored in database using PHP backend technology.

About Us: This section will provide a brief description about the insights of the website. It contains the number of bookings, tourist guides available and number of satisfied clients along with an option of booking a tourist guide.

Top Destinations: This section will provide the detail about our most visited tourist destinations along with the price and ratings given by the

clients.

Services: This section is all about the services offered by the website along with some images which will surely describe it in a better way.

Connect With Us: This section would help the user to communicate with the developers and designers of the website. It contains the social media handles of the same.

Feedback: This section will provide a method to provide us feedbacks about the website which will be stored in Firebase database using backend technology.

Footer: Last but not the least there will be a footer section to display copyright details and some useful links.

WORKING

To navigate the user to the Travel Booking Website, a live link of the website is provided on the GitHub platform. There are several features of different perspectives which are accessible to the user by the means of this platform.

The opening or the Home page of the website will give an overview of the features of the website, the user can interact with.

On the home page itself, there is an option of Book Now by which user can book his/her desired destination for the travelling and these details are stored in a database using PHP scripting language. There is a navigation bar which has several links to different sections of the website.

Next comes the About section of the website which gives you the valuable insights of the website like the number of bookings, tourist guides available and the number of satisfied clients along with an option of booking a tourist guide.

After this, we will be moving forward towards the popular destinations booked by the clients along with the ratings and prices in INR.

Now, there is a section which will describe about the services offered by the website containing images which best fits the same.

Next to it, there is a connect with us section that includes the portfolios of the developers and designers along with their social media handles (such as LinkedIn, Twitter, Instagram) that will help the user to connect with the developers and designers personally and professionally.

Last but not the least, there is a Feedback page which will help the user to give his/her valuable feedback about the website.

At the end of the website, it contains the footer section which contains the professional Contact number along with address of the website developers and designers along with the copyright details of the website and some useful links.

Thus, our **Travel Booking Website** shall be fully responsive and functional.

IMPLEMENTATION

Frontend:

For the frontend, HTML,CSS JavaScript and Bootstrap technologies are used. To make the frontend more responsive and user interactive, JavaScript has been used.

Backend:

In the backend, Google Firebase and PHP is used to handle all database and other backend needs.

Tools Description:

HTML: Hyper-Text-Markup-Language is used for structuring web pages over the internet. HTML is the language in which most websites are written. HTML is used to create pages and make them functional.

CSS: Cascading-Style-Sheet is a styling language used to style and basically define how the content will appear on the website.

JavaScript: JavaScript is a scripting or programming language which is now used extensively to design modern web applications and website, it allows the developer to write application which modify themselves according to each user and its data, this made web applications much more accessible and suitable for many purposes. Many Frameworks of JavaScript such as React, Node, Next etc. are used for different type of requirements and developments.

Google Firebase: Firebase is an app development platform that helps you build and grow apps and games users love. Backed by Google and trusted by millions of businesses around the world. Firebase provides detailed documentation and cross-platform SDKs to help you build and ship apps on Android, iOS, the web, C++, and Unity.

PHP: PHP(short for Hypertext PreProcessor) is the most widely used open source and general purpose server side scripting language used mainly in web development to create dynamic websites and applications. It was developed in 1994 by Rasmus Lerdorf. A survey by W3Tech shows that almost 79% of the websites in their data are developed using PHP.

REFERENCES:

Books:

   a. Black Book HTML5, CSS, JS, PHP

Websites:

   a. MDN Web Docs ([link](#))
   b. W3Schools ([link](#))
   c. GeeksForGeeks ([link](#))
   d. Javatpoint ([link](#))

Faculty Guidelines:

Mr. Bhanu Kapoor (Technical Trainer in GLA University)

GitHub Repository link:

https://aakrati442.github.io/TravelWebsite/