

Project Report



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CSE4001 - Internet and Web Programming

Slot: A21+A22+A23+B22+C14+D21

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Avipro Travels – CMS Based Travel Package Website

1. Introduction

The tourism industry heavily relies on digital platforms to showcase travel packages and attract potential customers. A dynamic and user-friendly travel website helps travelers discover destinations, compare packages, and submit enquiries conveniently.

The project “Avipro Travels” is a CMS-based Travel Package Website developed as part of the academic internal assessment. Unlike static websites, this system uses a complete Content Management System (CMS) allowing the admin to manage tour packages, website content, booking enquiries, and more through an interactive admin dashboard.

This project aims to provide a functional, dynamic website similar in concept to the reference website packages.kashmirvendor.com, ensuring ease of content updates and user engagement.

2.Objectives of the Project

The major objectives of this project include:

- To design and develop a dynamic travel package website using PHP and MySQL.
- To build a CMS (Admin Panel) for managing:
 - Travel packages
 - Package images
 - Bookings & enquiries
 - Website content (About, Contact, Banners)
- To implement secure admin login with session management.
- To create a responsive front-end interface for users to explore tour packages.
- To integrate JavaScript validation and AJAX form submission for booking/enquiry forms.
- To store user booking enquiries into the database for admin review.

3.System Requirements

3.1 Software Requirements

Frontend: HTML5, CSS3, JavaScript, Bootstrap

Backend: PHP 7+

Database: MySQL

Tools: XAMPP/WAMP/LAMP, Visual Studio Code

Browser Support: Chrome, Firefox, Edge

3.2 Hardware Requirements

Processor: Dual Core or above

RAM: Minimum 4 GB

Hard Disk: Minimum 2 GB free space

4. System Architecture

1. Presentation Layer (Frontend)

Users can:

- View travel packages
- View detailed package itineraries, prices, inclusions, exclusions
- Submit booking/enquiry forms
- Navigate pages such as Home, About Us, Contact

2. Application Layer (Backend)

- Developed using PHP:
- Handles admin actions (CRUD operations)
- Processes booking form submissions with AJAX
- Validates data and manages sessions

3. Data Layer (Database)

- MySQL Database Stores:
- Package information
- Image paths
- Booking/enquiry records
- Admin credentials
- Website content

5. Technologies and Features Implemented

Frontend

Bootstrap responsive design

Dynamic package loading using PHP loops

JavaScript + jQuery validation

Clean UI similar to reference website

Backend

PHP-based CRUD operations

Secured admin login

AJAX-based form submission

Image upload handling

MySQL Database operations with prepared statements (recommended)

6. Testing

Tests Performed

- Form validation testing
- Login authentication testing
- CRUD operations in the admin panel
- Browser compatibility testing
- Database connectivity verification

Results

All modules performed successfully as per requirements.

7. Conclusion

The project “Avipro Travels” successfully demonstrates the creation of a fully-functional CMS-based travel package website.

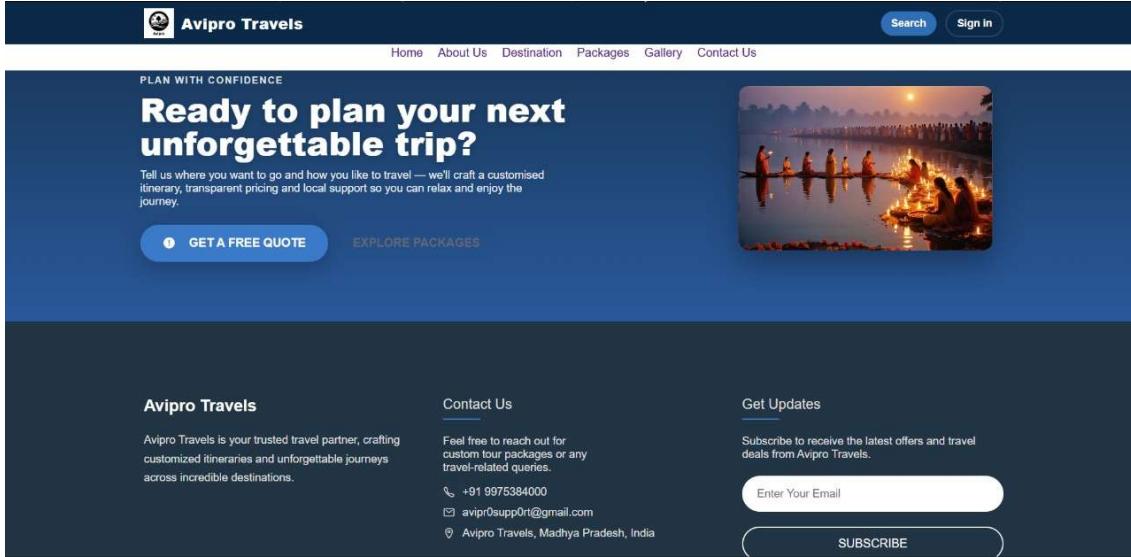
The dynamic structure allows the admin to update all website content without modifying code. The booking/enquiry system enables efficient communication between travelers and the agency.

The system is scalable and can be enhanced with additional modules such as:

- Payment gateway integration
- User accounts and booking history
- Automated email notifications

Overall, this project fulfills all academic requirements and provides a strong practical foundation in PHP, AJAX, MySQL, and web development.

8. Screenshots



Avipro Travels

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Happy Travelers

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2016 — Expanded operations across India.
2020 — Focus on curated, sustainable travel.

MEET THE TEAM



Aditya Seswani
Founder & CEO



Sumukh Agrawal
Head of Operations



Aryan Thombare
Experience Designer

Thank You