Research Papers Survey and Analysis

1. **Paper Name:** Travel and Tourism Management System [1]
   Author Name: Mr. Amal Davies; Mr. A.Ganesan; Dr. V.Kavitha
   PG and Research Department of Computer Applications, HINDUSTAN COLLEGE OF ARTS AND SCIENCE Hindustan gardens, behind Nava India, Coimbatore

Existing System
- Manual and tedious processing.
- Maintenance of records using pen and paper.
- Increased transactions made maintenance difficult.
- Mistakes in entries created issues.

Proposed System
- More efficient than the manual system.
- Automates tasks like form transactions and report generation.
- Provides accurate, up-to-date information.
- Minimizes documentation.
- User-friendly with warning messages.
- Offers booking confirmation and detailed traveler information.

Modules/Objectives
- **Admin Authentication:** Verifies admin credentials.
- **User Registration:** Users register with personal details.
- **Package Creation:** Admin creates travel packages.
- **Package Booking:** Users book travel packages with comments and dates.
- **Booking Confirmation/Manage:** Admin confirms or cancels bookings.
- **Issue Ticket:** Users receive tickets for booked packages.

Advantages
- Accurate information.
- Simplified manual work.
- Minimized documentation.
- Up-to-date information.
- User-friendly interface.
- Booking confirmation notifications and detailed traveler information.

Drawbacks of the Proposed System
- **Initial Setup Cost:** Significant software, hardware, and infrastructure investment.
- **Training Requirements:** Time-consuming and costly user training.
- **Dependency on Technology:** Technical issues can disrupt operations.
- **Maintenance and Updates:** Ongoing costs for maintenance and updates.
- **Security Concerns:** Risks of data breaches and cyber-attacks.
- **Resistance to Change:** Users may prefer familiar manual processes.
- **User Interface Challenges:** Designing an intuitive interface for all users.
- **Customization Limitations:** May not fully meet unique user requirements.

2. Paper Name: Travel Management System Using Object Oriented Analysis [2]
Author Name: Aashi SINGH Bhadouria Madhav Institute of Technology & Science Gwalior | MITS · Department of Computer Science & Engineering/ IT
Publisher: Research Gate
Date: October 2022
Link:
https://www.researchgate.net/publication/364930117_TRAVEL_MANAGEMENTT_SYSTEM_USING_OBJECT_ORIENTED_ANALYSIS

Existing System:
1. **Manual Processes**:
    - All work is done manually.
    - Customers must visit the tours and travel agency physically.
2. **Booking Process**:
    - Inquiry about travel options.
    - Book ticket and pay in person.
    - Collect physical receipt.
3. **Record Maintenance**:
    - Difficult to maintain customer details, package information, and payment receipts.
    - Tour packages registered in notebooks.
4. **Advertising**:
    - Advertisements are placed in local newspapers or markets.
5. **Service Limitations**:
    - Limited travel facilities available for specific areas or persons.

Proposed System:
1. **Web-Based Application**:
    - Develop a web-based application for the organization.
2. **Enhanced Search Facility**:
    - Provide search functionality for customers to find packages and services.
3. **Report Generation**:
    - Generate different types of reports for management and customers.
4. **Online Services**:
    - Enable online package ticket booking.
    - Facilitate online payment for customers.
5. **Package Information**:
    - Provide detailed information about various packages.
6. **Booking Management**:
    - Customers can cancel bookings with a 15% deduction from the amount.
7. **Services Provided**:
    - View Package
    - Search Package
    - Booking
    - Cancel Booking
    - Online Payment

Modules/Objectives
1. To create a comprehensive web-based travel management system for improved efficiency.

2. To provide a user-friendly search and booking interface for customers.
3. To enable online payment options and secure financial transactions.
4. To generate detailed reports for business analysis and customer insights.
5. To offer detailed information on travel packages and facilitate easy booking management, including cancellations.

Advantages:
1. **Efficiency**: Automates manual processes, reducing time and effort.
2. **Convenience**: Allows customers to book and pay online from anywhere.
3. **Detailed Information**: Provides comprehensive details about travel packages.
4. **Reporting**: Generates various reports for better decision-making.
5. **Reach**: Expand service availability beyond local areas.
6. **User Experience**: Enhances customer experience with easy navigation and secure transactions.
7. **Cost Management**: Reduces operational costs associated with manual processes and local advertising.

Drawbacks:
1. **Initial Cost**: High cost of developing and implementing the web-based system.
2. **Technical Issues**: Potential for technical problems, requiring maintenance and support.
3. **Security Concerns**: Risks associated with online transactions and data security.
4. **User Adaptation**: Customers and staff may need time to adapt to the new system.
5. **Dependence on the Internet**: System functionality depends on internet connectivity.
6. **Training**: Need for training staff and customers to use the new system effectively.

3. **Paper Name:** Travel And Tourism Management System [3]
   Author Name: Asit Joshi, Ayush Choudhary, Deepakshi Choudhary, Deependra Singh Parihar, Acropolis Institute of Technology And Research, Indore, Madhya Pradesh, India.
   Publisher: International Research Journal of Modernization in Engineering Technology and Science
   Date: Volume:04/Issue:11/November-2022
   Link:
   https://www.irjmets.com/uploadedfiles/paper//issue_11_november_2022/31296/final/fin_irjmets1668667736.pdf

Existing System
The current travel and tourism management systems primarily involve a mix of manual and semi-automated processes, such as:
1. **Manual Booking**: Many agencies still use phone calls, emails, and face-to-face interactions for booking and confirmation.
2. **Fragmented Information**: Information about destinations, tours, accommodations, and travel options are scattered across different platforms.
3. **Limited User Interaction**: Minimal direct user interaction with the system often results in a less personalized experience.
4. **Static Pricing**: Prices are often fixed and do not dynamically adjust based on demand, season, or other factors.
5. **Environmental Impact**: Limited consideration of eco-friendly travel options.

Proposed System

The proposed Travel and Tourism Management System aims to automate and integrate all processes involved in travel and tourism. Key features include:

1. **Automated Booking and Confirmation**: A single dynamic website where users can book and confirm travel details online.
2. **Centralized Information**: Comprehensive details about destinations, tours, accommodations, and travel options available in one place.
3. **User Feedback Module**: Allows users to leave reviews and feedback to improve services.
4. **Mobile App Integration**: Seamless access and booking through a mobile application.
5. **Multi-Language Support**: Accommodates users from different linguistic backgrounds.

Objectives

1. **Automation**: To fully automate the travel and tourism booking process.
2. **Centralization**: To provide a single platform with comprehensive travel information.
3. **User Experience**: To enhance user interaction and satisfaction through personalized recommendations and feedback.
4. **Accessibility**: To offer multi-language support and mobile app integration for better accessibility.
5. **Sustainability**: To encourage eco-friendly travel options and practices.

Advantages

1. **Convenience**: Users can book and confirm travel details online from anywhere in the world.
2. **Comprehensive Information**: All necessary travel information is available in one place.
3. **Personalization**: AI-powered recommendations provide a more tailored travel experience.
4. **Dynamic Pricing**: Users can benefit from competitive pricing based on demand and other factors.
5. **Sustainability**: Encourages eco-friendly travel options.

Drawbacks

1. **Initial Cost**: High initial investment for developing a comprehensive automated system.
2. **Technical Issues**: Potential technical glitches or system downtimes can affect user experience.
3. **Data Privacy**: Handling and storing user data securely is a major concern.
4. **Learning Curve**: Users may need time to adapt to the new system.
5. **Dependency on Technology**: Over-reliance on technology may lead to challenges if there are technical failures.

Existing System
- "Escape to…" The agency was established to address deficiencies observed in existing travel agencies.
- Founded with a mission to prioritize customer satisfaction through unique travel experiences and global expansion.
- Offers a wide range of tours catering to different customer segments, including families, retirees, and educational groups.

Current Operations
- Manual booking processes for travel arrangements including transportation, accommodation, and activities.
- Relies on traditional marketing strategies and customer feedback collection methods.
- Limited technological integration beyond basic operational needs.

Proposed System
Objectives
- Implement an automated travel management system to enhance operational efficiency and customer satisfaction.
- Introduce advanced features such as AI-powered recommendations, mobile app integration, and dynamic pricing.
- Expand global reach and establish "Escape to…" as a leader in customer-centric travel services.

Advantages
- **Enhanced Customer Experience:** Personalized travel recommendations and streamlined booking processes improve satisfaction.
- **Operational Efficiency:** Automation reduces manual workload and improves service delivery.
- **Market Competitiveness:** Advanced features attract tech-savvy customers and differentiate from competitors.
- **Global Expansion:** Scalable platform facilitates international market penetration.

Drawbacks
- **Initial Implementation Costs:** Investment required for technology integration and staff training.
- **Resistance to Change:** Staff and customer adaptation to new systems and processes.
- **Dependence on Technology:** Vulnerability to technological failures and cybersecurity risks.

5. **Paper Name:** Travel Planning Management System [5]
   Author Name: Madushan S.H.K, De Alwis Gunathilake W.L.D.C.K, Jayasinghe J.A.S.C, D.V.P Ferdinando, D. I. De Silva and Piyumika Samarasekara
   Publisher: International Journal of Engineering and Management Research
   Date: Volume-12, Issue-5 (October 2022)
   Link: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4270998

Existing System: The existing system deals with traditional travel management systems that may involve manual processes or outdated digital systems lacking comprehensive automation and user interaction capabilities.

Proposed System: The proposed system, "Travel Planning Management System," aims to automate all aspects of travel planning and management. It utilizes React JS for the front end and Spring Boot for the back end, ensuring compatibility across browsers and efficient service delivery.

Objectives:
1. Automate travel and tourism processes from booking to confirmation.
2. Enhance user experience with a dynamic and interactive web application.
3. Integrate various travel services seamlessly into one platform.

Advantages:
1. Provides a single platform for booking travel packages and customizing trips.
2. Enhances user engagement with real-time updates and personalized recommendations.
3. Improves operational efficiency by automating booking and confirmation processes.

Drawbacks:
1. Initial setup and integration complexities due to technology stack dependencies.
2. Potential dependency on external APIs and services for real-time data updates.

6. **Paper Name:** Tour & Travel Management System [6]
   Author Name: Urvish k. Patel, Sureshji r. Rajput
   Publisher: academia.edu IJRASET
   Date:
   Link:
   https://www.academia.edu/36249877/TOUR_and_TRAVEL_MANAGEMENT_SYSTEM

Existing System:
1. **Manual Processes**:
   1. All operations are handled manually.
   2. Customers visit the travel office for inquiries, booking, payment, and receipt collection.
   3. Customer details and payment receipts are maintained in registers.
   4. Tour packages are registered in a notebook.
   5. Advertising is done through local newspapers or markets.
   6. Limited geographical reach for travel services.

Proposed New System:
1. **Web-Based Application**:
    1. Create a web-based application for the organization.
2. **Enhanced Features**:
    1. **Search Facility**: Allow customers to search for packages.
    2. **Online Booking**: Enable online ticket booking and payment.
    3. **Package Details**: Provide comprehensive package information.
    4. **Cancellation Policy**: Allow customers to cancel bookings with a 15% deduction.
    5. **Reports**: Generate various types of reports for management.
3. **User Roles**:
    1. **Admin**: Manages users, receives packages from travelers, and oversees package management.
    2. **Traveler**: Creates and submits travel packages to the admin.
    3. **Customer**: Views packages, makes bookings, and manages cancellations.
    4. **Visitor**: Views the site and provides feedback.

Objectives:
- Transition from manual to automated processes.
- Improve customer service and convenience.
- Expand service reach through online capabilities.
- Enhance management of package details and customer information.

Advantages:
- **Convenience**: Online booking and payment options for customers.
- **Efficiency**: Reduced manual effort, faster processing.
- **Accessibility**: Expanded service availability beyond local areas.
- **Accuracy**: Better management of customer and package data.
- **Reporting**: Enhanced decision-making through detailed reports.

Drawbacks of the Existing System (to be addressed by the new system):
- **Manual Processes**: Time-consuming and prone to errors.
- **Limited Reach**: Geographically constrained service availability.
- **Data Management**: Difficulty in maintaining and retrieving customer details.
- **Customer Convenience**: Lack of online booking and payment options.

7. **Paper Name:** Travel And Tourism Management System [7]
    Author Name: Mr.Karthick Panneerselvam, Juluri Vinay Kumar, Mundlapati Ramanadh Phani Rahul, Tikendra Kumar, Lovely Professional University, Phagwara, India
    Publisher: International Journal of Creative Research Thoughts (IJCRT)
    Date: Volume 10, Issue 5 May 2022
    Link: https://ijcrt.org/papers/IJCRT2205376.pdf

Existing System
1. Activities completed manually.
2. Time-consuming processes.
3. Manual recording of timetable information on paper.
4. High cost and inefficiency.
5. Inability to meet travel needs promptly.
6. Possibility of inaccurate outcomes.

Proposed System
1. **Administrative Module:**
   - Admin home page.
   - Tracking of sites.
   - Maintenance of vehicles.
   - Management of bookings and reservations.
2. **User Modules:**
   - Entering customer details and generating itineraries.
   - Generating vehicle allocation/duty slips to drivers.
   - Generating cost estimates for vehicles, hotels, activities, and entire itineraries.
3. **Package Creation:**
   - Admin can create packages with details like type, price, description, and location.
4. **Package Booking:**
   - Managing travel package bookings by selecting different packages with dates and comments.
5. **Booking Confirmation:**
   - Verifying booked packages with date and comments by the user.
   - Admin can manage bookings, including cancellations.
6. **Issue Ticket:**
   - Issuing tickets to users in the "Issued Tickets" page on the user's homepage.

Objectives
1. Automate basic processes that were previously manual.
2. Provide a user-friendly, menu-driven interface.
3. Improve data entry accuracy and ease.
4. Enhance decision-making with intelligent output design.
5. Ensure compatibility with existing manual reports.

Advantages
1. **Efficiency:**
   - Faster processing of bookings and reservations.
   - Reduced manual workload.
2. **Accuracy:**
   - Reduced errors in data processing.
   - Eliminates duplicate entries.
3. **User Experience:**
   - Easy, logical, and error-free data entry.
   - Interactive design with a range of options and preventive measures against invalid selections.
4. **Accessibility:**
   - Dynamic website accessible from anywhere.
   - Comprehensive information on travel packages.

Drawbacks
1. **Initial Setup:**
   - Requires time and resources to implement and set up the system.
2. **Technical Issues:**

- Potential for technical glitches or downtime.
- Dependence on internet connectivity.
3. **Learning Curve:**
   - Users and administrators may need training to use the new system effectively.
4. **Maintenance:**
   - Continuous maintenance and updates needed to ensure system efficiency and security.

8. **Paper Name:** Tour And Travel Management System [8]
   Author Name: Mayuri Rajendra Patil1, Pooja Rajendra Vispute, Jagruti Vinod Patil, Ankita Ramvilas, SSBT College Of Engineering & Technology, Bambhori, Jalgaon Dist. Maharashtra, India
   Publisher: International Journal of Research Publication and Reviews
   Date: Vol 3, no 4, pp 2219-2222, April 2022
   Link: **https://ijrpr.com/uploads/V3ISSUE4/IJRPR3630.pdf**

Existing System
1. **Manual Booking Process**: Customers have to visit multiple agencies to gather information about places and book tickets.
2. **Time-Consuming**: The current system requires significant time and effort to plan and execute journeys.
3. **Fragmented Services**: Various websites offer different services, making it difficult for customers to find comprehensive packages.
4. **Lack of Relationship Management**: There is a weak relationship between travel agencies and customers, impacting service consistency.

Proposed System
1. **Automated Processes**: The proposed system automates travel agency operations, making it easier to search for places and book facilities.
2. **Integrated Services**: Combines tour packages, car rentals, hotel information, and more on a single platform.
3. **User-Friendly Interface**: Provides an efficient user interface for easy navigation and booking.
4. **Secure and Convenient**: Includes features like email verification, multiple payment modes, and user feedback modules.
5. **Real-Time Information**: Allows users to view travel information, hotel facilities, restaurant services, and more with integrated Google Maps.

Objectives
1. Provide best traveling services to customers and travel agents.
2. Offer a search platform for tourists to find tour places according to their preferences.
3. Enable easy online and offline payment options.
4. Offer affordable tour packages to tourists.

Advantages
1. **Multiple Payment Modes**: Supports more than four payment options.
2. **Admin and Agency Dashboards**: Facilitates data manipulation and package management.
3. **Enhanced Security**: Two-step authentication with email verification.

4. **Comprehensive Information**: Offers detailed travel information, feedback, reviews, and multimedia galleries.
5. **24/7 Availability**: Accessible anytime for booking and inquiries.

Drawbacks
1. **Initial Setup Cost**: High cost for developing and setting up the system.
2. **Maintenance Requirements**: Requires regular updates and maintenance to ensure smooth operation.
3. **Technical Dependency**: Relies on a stable internet connection and technical infrastructure.
4. **User Training**: Users and agency staff may need training to effectively use the system.

9. **Paper Name:** Tours And Travels Management System [9]
   Author Name: Prof. Shinde B.A., Ms. Dnyaneshwari Kapare , Ms. Harshada Dharne , Ms. Vaibhavi Hire, SRCOE College of Engineering, Lonikand, Wagholi, Pune-412216
   Publisher: Journal of Harbin Engineering University
   Date: Vol. 45 No. 03 (2024): Issue 03
   Link: https://harbinengineeringjournal.com/index.php/journal/article/view/2659

Existing System
Current journey management systems are fragmented, requiring users to visit multiple platforms for different travel services. They often lack comprehensive record-keeping and accessibility features for users with disabilities.

Proposed System
The Journey Management System is an integrated platform allowing users to book various types of journeys, including international trips, and manage all related aspects from a single interface. Key features include:
1. **Journey Package Booking:** Easy booking for various journey packages.
2. **User Preferences:** Options for specifying hotel and room preferences.
3. **Comprehensive Records:** Detailed records of different journey types.
4. **New Packages:** Competitive pricing for new packages based on the season.
5. **Management Tools:** Quick access to user records and payment details for company managers.
6. **User Authority:** Users can manage bookings, payments, reviews, and support.
7. **Accessibility Features:** Real-time object classification, voice feedback, and warnings for visually impaired users.

Objectives
1. Streamline operations and automate booking processes.
2. Enhance efficiency and accuracy.
3. Support visually impaired users.
4. Provide quick access to user records for managers.
5. Offer a unified platform for all travel activities.

Advantages
1. Time-saving and accurate.
2. User-friendly and comprehensive.
3. Competitive pricing and accessibility features.

Drawbacks
1. Initial setup costs.
2. Technical complexity.
3. Need for user training.
4. Data security challenges.
5. Potential over-reliance on technology.

10. **Paper Name:** Tours And Travel Management System [10]
    Author Name: Kuchekar Rutvik Baban, Mehra Prasad Sanjay, Jadhav Anushka Manoj, Bhivrabai Sawant Polytechnic, Pune, Maharashtra, India
    Publisher: International Research Journal of Modernization in Engineering Technology and Science
    Date: Volume:04/Issue:03/March-2022
    Link:
    https://www.irjmets.com/uploadedfiles/paper/issue_3_march_2022/20436/final/fin_irjmets1652809292.pdf

Existing System
Manual processes for travel and tourism management lead to inefficiencies:
- **Travel Agent Management**: Manual booking and customer management.
- **Hotel Management**: Traditional reservation methods, lacking real-time updates.
- **Customer Management**: Manual recording of customer details.
- **Transportation Management**: Separate coordination for bookings.
- **Package Management**: Manual updates and limited accessibility.
- **Booking Management**: Cumbersome booking process with manual updates.

Proposed System
The proposed system automates all aspects of travel and tourism management through an integrated platform. It includes:
- **Travel Agent Management**: A centralized system for travel agents to manage bookings, customer information, and travel packages efficiently.
- **Hotel Management**: Real-time hotel reservations and updates integrated with customer preferences.
- **Customer Management**: Automated handling of customer details and interactions, ensuring accuracy and easy access.
- **Transportation Management**: Seamless integration for booking and managing transportation options.
- **Package Management**: Dynamic management of travel packages with real-time updates and availability.

Modules
User Management:
- Registration, Login, Profile Management
Travel Agent Management:
- Agent Dashboard, Tour and Package Management
Hotel Management:
- Room Availability, Booking Management
Customer Management:
- Dashboard, Booking History, Payment Management
Transportation Management:

- Vehicle Availability, Booking and Reservation

Package Management:
- Create/Edit Packages, Pricing Management

Booking Management:
- Search, Book Tours/Packages, Confirmation

Payment Integration:
- Payment Gateway Integration, Invoice Management

Feedback and Review:
- Customer Feedback, Review Management

Admin Panel:
- Dashboard, User and Content Management, Reporting

Objectives
- **Simplify Booking**: User-friendly platform for effortless booking.
- **Centralize Information**: Single platform for consistent and accessible data.
- **Enhance User Experience**: Improved access to detailed travel information.
- **Increase Efficiency**: Automation reduces errors and saves time.
- **Provide Real-Time Updates**: Instantaneous availability and booking updates.

Advantages
- **Efficiency**: Faster, more accurate management.
- **User-Friendly**: Simplifies booking for customers and agents.
- **Real-Time Information**: Immediate updates on bookings.
- **Enhanced Customer Satisfaction**: Improved service quality.
- **Improved Accuracy**: Minimized data errors.

Drawbacks
- **Technology Dependency**: Potential issues during technical outages.
- **Maintenance**: Requires regular updates and security measures.
- **Initial Setup Cost**: High implementation expenses.
- **Training Requirements**: Necessary for users.
- **Data Security Issues**: Requires robust protection measures.

Survey Table

Paper Title	Author(s)	Publisher	Date	Modules
Travel and Tourism Management System [1]	Mr. Amal Davies; Mr. A.Ganesan; Dr. V.Kavitha	International Journal of Computer Science and Mobile Computing (IJCSMC)	October 2019	Admin Authentication, User Registration, Package Creation, Package Booking, Booking Confirmation/Manage, Issue Ticket
Travel Management System Using Object Oriented Analysis [2]	Aashi SINGH Bhadouria	Research Gate	October 2022	Web-Based Application, Enhanced Search Facility, Report Generation, Online Services, Package Information, Booking Management
Travel And Tourism Management System [3]	Asit Joshi, Ayush Choudhary, Deepakshi Choudhary, Deependra Singh Parihar	International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)	November 2022	Automated Booking and Confirmation, Centralized Information, User Feedback Module, Mobile App Integration, Multi-Language Support
Travel Management System [4]	Paramdeep Singh	International Journal of Science and Research (IJSR)	2022	AI-powered Recommendations, Mobile App Integration, Dynamic Pricing, Admin Control, Journey Management, Parcel Management
Travel Planning Management System [5]	Madushan S.H.K, De Alwis Gunathilake W.L.D.C.K, Jayasinghe J.A.S.C, D.V.P Ferdinando, D. I. De Silva, Piyumika Samarasekara	International Journal of Engineering and Management Research (IJEMR)	October 2022	React JS Frontend, Spring Boot Backend, Travel Package Booking, User Preferences, Real-time Updates
Tour & Travel Management System [6]	Urvish k. Patel, Sureshji r. Rajput	academia.edu IJRASET	-	Web-Based Application, Enhanced Search Facility, Online Booking, Package Details, Cancellation Policy, Admin and User Dashboards

Travel And Tourism Management System [7]	Mr.Karthick Panneerselvam, Juluri Vinay Kumar, Mundlapati Ramanadh Phani Rahul, Tikendra Kumar	International Journal of Creative Research Thoughts (IJCRT)	May 2022	Admin Module, User Module, Package Creation, Package Booking, Booking Confirmation, Issue Ticket
Tour And Travel Management System [8]	Mayuri Rajendra Patil, Pooja Rajendra Vispute, Jagruti Vinod Patil, Ankita Ramvilas	International Journal of Research Publication and Reviews (IJRPR)	April 2022	Automated Processes, Integrated Services, User-Friendly Interface, Secure and Convenient Features, Real-Time Information
Tours And Travels Management System [9]	Prof. Shinde B.A., Ms. Dnyaneshwari Kapare , Ms. Harshada Dharne , Ms. Vaibhavi Hire	Journal of Harbin Engineering University	2024	Journey Package Booking, User Preferences, Comprehensive Records, New Packages, Management Tools, Accessibility Features
Tours And Travel Management System [10]	Kuchekar Rutvik Baban, Mehra Prasad Sanjay, Jadhav Anushka Manoj, Bhivrabai Sawant Polytechnic	International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)	March 2022	User Management, Travel Agent Management, Hotel Management, Customer Management, Transportation Management, Package Management, Payment Integration, Feedback and Review, Admin Panel

Comparison of Common and Unique Modules Across Various Papers on Tours, Travel and Tourism Management Systems

Common Modules	Unique Modules
Admin Authentication/User Management	[2] Object Oriented Analysis, Report Generation
Package Creation and Booking	[4] AI-powered Recommendations, Dynamic Pricing
Booking Confirmation/Management	[5] Frontend (React JS), Backend (Spring Boot)
Mobile App Integration	[8] User-Friendly Interface, Secure Features
Enhanced Search Facilities	[9] Journey Package Booking, Accessibility Features

Common Aspects and Variances

- **Common Aspects**

Aspect	Description
Existing System	Most papers describe systems as manual or semi-automated, using pen-and-paper or fragmented digital records.
Proposed System	Focus on automated systems integrating digital tech like web platforms, AI recommendations, mobile app integration, and real-time updates.
Objectives	Automation, efficiency improvement, enhanced user experience, sustainability through eco-friendly practices.
Advantages	Improved accuracy, real-time updates, user-friendly interfaces, operational efficiency, cost savings, enhanced customer satisfaction

- **Differences**

Aspect	Description
Specific Features of Proposed Systems	Variability in AI-driven recommendations (e.g., Paper [4]), mobile app integration (e.g., Paper [3]), and specific digital features like dynamic pricing and multi-language support.
Focus Areas	Emphasis on global market competitiveness (e.g., Paper [4]) vs. sustainability initiatives such as eco-friendly travel options and carbon footprint reduction measures (e.g., Paper [3]).
Challenges and Drawbacks	Differences in severity and focus on challenges like setup costs, technical dependencies, security concerns (especially in financial transactions) (e.g., Paper [2]), and user training needs