INTEGRATED TOURISM WEB APPLICATION

A PROJECT REPORT

Submitted by,

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Under the guidance of,

Ms.AMREEN KHANUM D

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING, INTERNET OF THINGS
At

PRESIDENCY UNIVERSITY

BENGALURU

JANUARY 2025
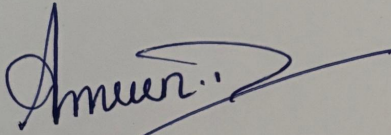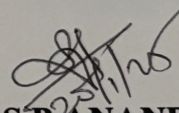
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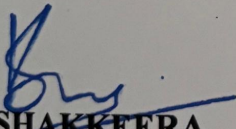
CERTIFICATE

This is to certify that the Project report "**INTEGRATED TOURISM MANAGEMENT SYSTEM**" being submitted by "**Jaswanth Kumar J, Gopi Chandu A, Vardhan L, Ashok Kumar Reddy B, Punith A**" bearing roll number(s): "**20211CIT0005, 20211CIT0006, 20211CIT0007, 20211CIT0048, 20211CIT0174**" in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering is a Bonafide work carried out under my supervision.
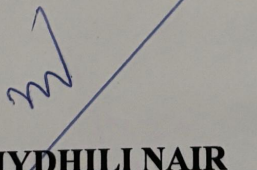
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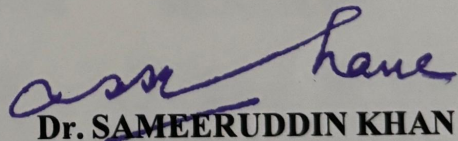School of CSE&IS
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DECLARATION

We hereby declare that the work, which is being presented in the project report entitled **"Integrated Tourism Web Application"** in partial fulfillment for the award of Degree of **Bachelor of Technology** in **Computer Science and Engineering**, is a record of our own investigations carried under the guidance of **Ms. AMREEN KHANUM D, Assistant Professor, School of Computer Science Engineering & Information Science, Presidency University, Bengaluru.**

We have not submitted the matter presented in this report anywhere for the award of any other Degree.

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ABSTRACT

In the modern era, tourism has become a significant industry, and with the growing number of travelers, the need for a seamless travel experience has never been more crucial. One of the primary challenges faced by travelers today is the fragmentation of services across multiple platforms. Users often need to switch between different applications to book hotels, cabs, events, and other services, which can be time-consuming and inefficient. This project aims to address this challenge by developing a comprehensive web application that integrates all essential travel services into a single platform, providing a one-stop solution for users.

The proposed system is designed to offer a wide range of services, including hotel bookings, cab reservations, event bookings, and secure payment processing, all within a single application. The application is structured to have three types of logins: Admin, Staff, and User. The admin has full access to the system, enabling them to manage services, monitor bookings, and add new resources. Staff members have restricted access to assist users in booking services and managing requests. Users can book services, make payments, and access a personalized dashboard to track their bookings and preferences.

The system is built using a combination of HTML, CSS, JavaScript, and Python (Flask) for the backend, with Firebase used for database management. Razorpay is integrated for secure payment transactions. The application is designed to be user-friendly, ensuring that users can easily navigate and book services with minimal effort. This solution not only simplifies the booking process but also enhances the overall user experience by providing a centralized platform for all travel-related services.

Through this project, we aim to revolutionize the tourism experience by reducing the time and effort required for travelers to plan and book their trips. By offering a single platform for all travel needs, the system promises to deliver a more efficient, convenient, and user-friendly experience for both travelers and service providers.