

A ONE STOP FOCUSING ON TOURISM

A PROJECT REPORT

Submitted by,

Mr. DARSHAN S M - 20211COM0040

Mr. K P PAWAN -20211COM0067

Mr. MANOHAR S V -20211COM0043

Mr. CHETAN N -20211COM0057

Under the guidance of,

Ms. AMIRTHA PREEYA V

Assistant Professor,
School of Computer Science & Engineering
Presidency University

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER ENGINEERING

At



PRESIDENCY UNIVERSITY

BENGALURU

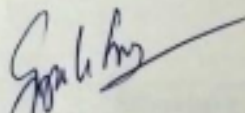
JANUARY 2025

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SCHOOL OF COMPUTER SCIENCE ENGINEERING
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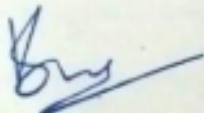
This is to certify that the Project report "A One Stop Focusing On Tourism" being submitted by "DARSHAN S M, MANOHAR S V, K P PAWAN, CHETAN N" bearing roll number(s) "20211COM0040, 20211COM0043, 20211COM0067, 20211COM0057" in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Engineering is a bonafide work carried out under my supervision.



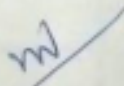
Ms. Amirtha Preeya V
Assistant Professor
School of CSE&IS
Presidency University



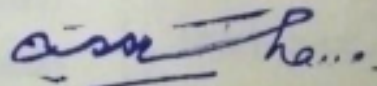
Dr. Gopal Krishna Shyam
HoD of COM & CEI
School of CSE
Presidency University



Dr. L. SHAKKEERA
Associate Dean
School of CSE
Presidency University



Dr. MYDHILI K NAIR
Associate Dean
School of CSE
Presidency University



Dr. SAMEERUDDIN KHAN
Pro-Vc School of Engineering
Dean -School of CSE&IS
Presidency University

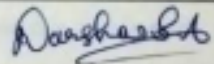
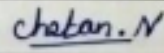
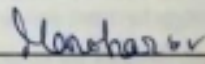
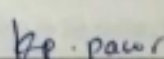
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DECLARATION

We hereby declare that the work, which is being presented in the project report entitled "A One Stop Focusing On Tourism" in partial fulfillment for the award of Degree of **Bachelor of Technology in Computer Engineering**, is a record of our own investigations carried under the guidance of **Amirtha Preeya V, 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.

Sl. No	Name	Roll No	Signature
1.	Darshan S M	20211COM0040	
2.	Chetan N	20211COM0057	
3.	Manohar S V	20211COM0043	
4.	K P Pawan	20211COM0067	

ABSTRACT

Tourism demands innovative ways to become easier, more accessible, and improve user experiences while planning. The paper elaborates on the one-stop tourism platform developed as a mobile application using the Android Studio by writing Java code, in which it integrates major travel services, such as accommodation booking, transportation selection, and activity planning. It will eliminate inefficiencies through aggregation of these services while reducing time spent in planning so that traveling becomes smooth.

This app features robust login and registration capabilities in order to secure the users while creating highly personalized interactions. Storing the passwords via encrypted password storage with the option of multi-factor authentication is made to protect sensitive user information in this platform while providing for easy registration. The option is provided to the users so that they can create their own profile, enabling them to store their preferences, booking history, and saved itineraries; this would allow the recommendations for travel experiences to be as personalized as possible.

Some core features of the platform, notably for an end-user, include having access to a real-time mapping system powered by Google Maps API. This feature allows people to search for destinations, calculate distances between two points in kilometers, and view accurate travel times and routes through integration of location data, considering traffic and road conditions. The feature has also increased user convenience since it provides suggestions of the closest places to visit, restaurants to grab meals, and accommodations near where the route will be taken.

One-stop tourism platform is a transforming step in the travel industry. It addresses the challenges of modern tourism by harnessing advanced technologies, intuitive design, and a user-centered approach for accessibility, personalization, and sustainability. The application, developed on Android Studio and Java, demonstrates how technology can change the nature of travel planning to be easier, more efficient, and enjoyable. As the tourism industry grows at this rate, this kind of a platform will be the key that will unlock the future to ensure travel is accessible and rewarding for all.