"A ONE STOP SOLUTION FOCUSING ON TOURISM"

A PROJECT REPORT

Submitted by,

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Under the guidance of,

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in partial fulfillment for the award of the

degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

At

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS
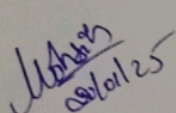
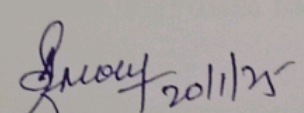## PRESIDENCY UNIVERSITY BENGALURU
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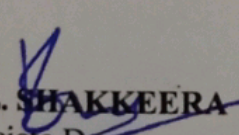
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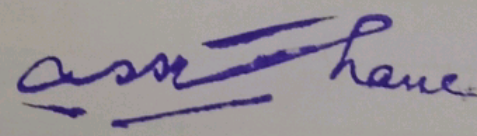
SCHOOL OF COMPUTER SCIENCE ENGINEERING

CERTIFICATE

This is to certify that the Project report **"A ONE STOP SOLUTION FOCUSING ON TOURISM"** being submitted by **"L S Gagan , Anjan G , Sanjana S, Soundarya Sarashetti, Apeksha Changoli"** bearing roll number(s) **"20211CSE0670, 20211CSE637, 20211CSE0608, 20211CSE0678, 20211CSE0662"** 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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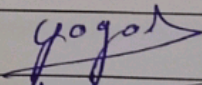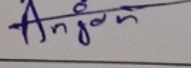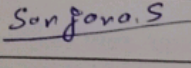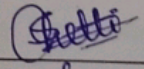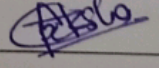Dean -School of CSE&IS
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DECLARATION

We hereby declare that the work, which is being presented in the project report entitled **"A ONE STOP SOLUTION FOCUSING ON TOURISM"** 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 Mr. Syed Mohsin Abassi ,**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

Tourism is an area in which economists have witnessed growth of the economy and cultural exchange, while for visitors, it is personal experience. However, travelling is characterized by broken services, false information, and inefficiency in the preparation and management of trips. This paper introduces all-inclusive solution on tourism: simplifying and improving travel experience. The online platform offers interactive detailed itinerary plans, real-time updates, and a single unified booking process for flights, accommodations, as well as activities at the local site.

However, it would surely focus on a richly cultural and environmentally-friendly travel experience through collaboration and advocacy for sustainable practices with the local business. In addition, to meet the convenience, security, and inclusion of the users, this platform will take it a step further in reaching out to a diverse background and travel preferences. This is to increase satisfaction, reduce planning time, and facilitate responsible tourism growth.

In the recent past, free travel has become very popular. It is a pressing need to how to plan personalized travel routes from the perspective of tourists rather than tourism intermediaries. However, some factors reflecting tourists' preferences are ignored in the related work. What is worse, the evaluation about scenic spots is incomplete.

Moreover, real data sets are seldom used in existing works. We present a new route-planning approach that is comprehensive with regard to multiple factors: the distance between sites, initial travel position, initial departure time, time duration of tour, total cost, scores and popularities of sites. We rate routes with what we call an all-around attractiveness index. We provide extensive case studies using real-world data from the Baidu and Xiecheng websites, demonstrating the feasibility of our proposed approach.

It is also known that the genetic algorithm is significantly better than two baselines concerning running time. The tourism sector experienced rapid growth to become one of the keystones of the world economy. Nonetheless, travel tourists face difficulty finding their way around the complex web of hotel room reservations, travel arrangements, and event booking. This paper presents a one-stop tourism solution that integrates all the essential travel services into a single, user-friendly platform that revolutionizes the travel experience.