VISVESVARAYA TECHNOLOGICAL UNIVERSITY,

Jnana Sangama, Belagavi-590018.

A Mini-Project Report

On

AI-Based Travel Itinerary Maker

Submitted for the partial fulfillment of the requirement of the

VIth *Semester*

Mini Project (21AIMP67)

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

Artificial Intelligence and Machine Learning

Submitted by

SUMITH SIGTIA, 1OX21AI039

Under the Guidance of

Dr. P Bindhu Madhavi

Professor & HOD

Department of Artificial Intelligence and Machine Learning

THE OXFORD COLLEGE OF ENGINEERING,

Bommanahalli, Bangalore 560068

Department of Artificial Intelligence and Machine Learning

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Bangalore 560068

2023-2024

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Bangalore 560068

CERTIFICATE

This is to certify that the Mini-Project entitled "**AI-Based Travel Itinerary Maker**" carried out by **Mr. SUMITH SIGTIA** [1OX21AI039] of VIth Semester students of The Oxford College of Engineeringin partial fulfillment for the award of Bachelor of Engineering in Artificial Intelligence and Machine Learning of Visvesvaraya Technological University Belagavi during the academic year 2023-2024. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said Degree.

Signature of the Guide and HOD Dr. P. Bindhu Madhavi Professor & HOD, Dept. of AIML TOCE, Bangalore	Signature of the Principal Dr. H N Ramesh Principal TOCE, Bangalore

Name of the Examiners: **Signature with Date:**

1.

2.

ACKNOWLEDGEMENT

The satisfaction and euphoria that accompany the successful completion of any task would be incomplete without complementing those who made it possible whose guidance and encouragement made our efforts successful.

My sincere thanks to the highly esteemed institution **THE OXFORD COLLEGE OF ENGINEERING** for grooming me into being an AIML engineer.

I express our sincere gratitude to **Dr. S. N. V. L. NARASIMHA RAJU** Chairman of The Oxford Educational Institutions Bengaluru for providing the required facility.

I express our sincere gratitude to **Dr. H N RAMESH** Principal TOCE Bengaluru for providing the required facility.

I am extremely thankful to **Dr. P. BINDHU MADHAV**I Professor & HOD of AIML TOCE for providing support and encouragement. She also helped me to complete this project successfully by providing guidance, encouragement, and valuable suggestions during the entire period of the project.

I thank all my AIML staff and others who helped directly or indirectly to meet my project work with grand success.

Finally, I am grateful to my parents and friends for their invaluable support, guidance, and encouragement.

SUMITH SIGTIA, 1OX21AI039

ABSTRACT

This report delves into the development of an AI-based Travel Planner that aims to optimize the travel planning experience by generating personalized travel itineraries based on user inputs and preferences. The project addresses the complexities involved in travel planning and proposes a solution leveraging artificial intelligence and natural language processing.

The AI-Based Travel Itinerary Maker collects user inputs such as source, destination, travel dates, duration, and specific preferences to generate a comprehensive travel itinerary. This includes daily activities, accommodation suggestions, dining options, and a travel checklist. The system integrates with external APIs to ensure real-time data and relevance.

The project holds significant importance as it provides a user-friendly and efficient tool for travelers, enhancing their travel experience through personalized planning. The findings and recommendations presented in this report aim to contribute valuable insights to the field of travel planning, showcasing the potential of AI in transforming traditional practices.

CONTENT