VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A R PROGRAMMING MINI PROJECT REPORT ON

UBER DATA ANALYSIS

IN

COMPUTER SCIENCE AND DESIGN

By

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Under the Guidance of

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ALVA'S

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA 2023-2024

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CERTIFICATE

This is to certify that the Mini Project entitled **"UBER DATA ANALYSIS"** has been successfully completed by

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the bonafide students of **Department of Computer Science & Design, Alva's Institute of Engineering and Technology** in **DEPARTMENT OF COMPUTER SCIENCE & DESIGN** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the Bachelor of Engineering Degree.

Dr. Shivaprasad B J
Mini Project Guide

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EXTERNAL VIVA

Name of the Examiners	Signature with Date
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ABSTRACT

This project presents a comprehensive analysis of Uber's transportation service through the exploration of publicly available trip data. The objective is to gain insights into user behavior, temporal patterns, and geographical distribution, ultimately providing a deeper understanding of the dynamics within the Uber ecosystem. The study encompasses data cleaning, exploratory data analysis, temporal and geospatial analysis, user behavior examination, and, optionally, predictive modeling. Key findings reveal peak hours, popular pick-up and drop-off locations, and correlations between factors such as income levels and Uber usage. The analysis not only enhances our understanding of the transportation patterns facilitated by Uber but also showcases the versatility of R programming for in-depth data exploration and visualization. The documentation includes code snippets, visualizations, and interpretations, providing a comprehensive resource for those interested in the intricacies of Uber's operational processes.