# VANTRACITY

##### A PROJECT REPORT

***Submitted by***

##### HIT PATEL (200305105145)

**PUJAN SHAH (200305105155)**

##### ACHAL PATEL (200305105133)

**CHILLS SOLANKI (2003051051\_\_)**

***In Partially fulfillment for the award of the degree***

***Of***

**BACHELOR OF TECHNOLOGY**

***In***

##### COMPUTER SCIENCE &ENGINEERING

***Under the Guidance of***

## Ms. Sumitra R Menaria

## (Head of Department)

## Computer Science &Engineering Department

**Parul Institute of Technology**



## Parul University, Vadodara

**2023-24**

### PARUL UNIVERSITY

***CERTIFICATE***

This is to certify that **Project-II -Subject code** of 7th Semester entitled

“**VANTRACITY**” of Group No. **PUCSE37** has been successfully completed by

##### HIT PATEL (200305105145)

**PUJAN SHAH (200305105155)**

**ACHAL PATEL (200305105133)**

**CHILLS SOLANKI (2003051051\_\_)**

under my guidance in fulfillment of the Bachelor of Technology (B.TECH) in Computer Science &Engineering of Parul University in Academic Year

2023-2024

### Prof. Sumitra R Menaria

### Project Guide

**Prof. Mohit Rathod /Prof. Monika Nayak Project Coordinator**

### Prof. Sumitra R Menaria

**Head of Department CSE/IT/ICT**

**External Examiner**

## ACKNOWLEDGEMENT

Behind any major work undertaken by an individual there lies the contribution of the people who helped him to cross all the hurdles to achieve his goal.

It gives us the immense pleasure to express our sense of sincere gratitude towards our respected guide **Prof. Sumitra R Menaria** , Head of Department for her persistent, outstanding, invaluable co-operation and guidance. It is our achievement to be guided under him. She is a constant source of encouragement and momentum that any intricacy becomes simple. We gained a lot of invaluable guidance and prompt suggestions from her during entire project work. We will be indebted of her forever and We take pride to work under her.

We also express our deep sense of regards and thanks to **Prof. Sumitra Menaria**, Assistant Professor and Head of CSE/IT/ICT Engineering Department. We feel very privileged to have had their precious advices, guidance and leadership.

Last but not the least, our humble thanks to the Almighty God.

**Place: Vadodara Date:**

# 

# ABSTRACT

The VANTRACITY project aims to address the growing challenges of urban mobility by designing and implementing an efficient, sustainable, and technologically advanced van transportation system. This project is motivated by the need for more eco-friendly and convenient transportation options in densely populated urban areas.

Our approach involves the integration of cutting-edge technologies, to create a seamless van transportation network. The system will cater to both passengers and cargo, providing a versatile solution for a wide range of urban transportation needs.

## 

## TABLE OF CONTENTS

**CHAPTER PAGE NO**

[ACKNOWLEDGEMENT III](#_TOC_250004)

[ABSTRACT IV](#_TOC_250003)

[TABLE OF CONTENTS V](#_TOC_250002)

[LIST OF TABLES VI](#_TOC_250001)

[LIST OF FIGURES VII](#_TOC_250000)

LIST OF ABBREVIATIONS VIII

1. **Introduction**

1.1 General Introduction

1.2 Problem Definition

1.3 Motivation

1.4 Objectives

1.5 Scope of the project

1.5.1 Existing System

1.5.2 Proposed System

1.6 Hardware & Software Requirement

1. **Literature Survey**
2. **Methodology**
   1. existing methodology
   2. proposed methodology
3. **Diagram**
   1. DFD (all levels if applicable)
   2. USE Case Diagram
   3. E-R Diagram
4. **Implementation / GUI**
   1. Module Description
   2. Pseudo Code of Module
   3. Screen shot of Module
5. **Results**
6. **Conclusion and Future scope**

• References

• Appendix 1 & Appendix 2

**LIST OF TABLES**

**Table No Table Description Page No**

Table 1.1

Table 2.1

Table 3.1

Table 3.2

Table 3.3

#### LIST OF FIGURES

**Figure No Figure Description Page No**

1.1 Hybrid Vehicle 1

**LIST OF ABBREVIATIONS**