

## ACKNOWLEDGEMENT

---

We express our deepest gratitude to our guide Mrs. Saritha M , Asst. Professor Department of Computer Science and Engineering, for her valuable guidance and encouragement while doing this project work.

We are obligated to **Dr. Thyagaraju G.S** ,Head of the Department, and **Dr. Ashok Kumar T** Principal, for their advice and suggestions at various stages of the work. We also extend our heartfelt gratitude to Dr GURUPRASAD M. S ,Asst. Professor Department of Computer Science and Engineering , for his assistance.

We also extend our thanks to the management of SDM Institute of Technology, Ujire ,for providing an excellent study environment, reference materials and laboratories facilities. We remain grateful to the co-operation and help rendered by the teaching and nonteaching staff to the department.

**NISHANTH B S**

**4SU17CS052**

## **ABSTRACT**

---

Bus Booking System is a Web based application that works within a centralized network. This project presents a review on the software program "Bus Booking System" as should be used in a bus transportation system, a facility which is used to reserve seats, cancellation of reservation and different types of route enquiries used on securing quick reservations. OBTRS is built for managing and computerizing the traditional database, ticket booking and tracking bus and travel made. It maintains all customer details, bus details, reservation details. In order to achieve the design, Imo Transport Company (ITC) was chosen as a case study because of its strategic importance to Imo State. Structured Systems Analysis and Design Methodology (SSADM) was adopted. In addition, HTML and CSS language was used for the front-end of the software while the back end was designed using MySQL. The software achieved is capable of improving the customer hand and relationship management in ITC operations

---

## Table of Contents

---

	Page No.
<b>Acknowledgement</b>	i
<b>Abstract</b>	ii
<b>Table of Contents</b>	iii
<b>List of Figures</b>	iv
<b>Chapter 1 Introduction</b>	1
<b>Chapter 2 Literature Review and Problem Statement</b>	2
2.1 Introduction to DBMS	2
2.2 What is MY SQL	5
<b>Chapter 3 Problem Formulation</b>	6
3.1 Problem statement	6
3.2 Aim of the work	6
3.3 Objectives	7
<b>Chapter 4 Requirement Specification</b>	8
4.1 Functional Requirements	8
4.2 Non Functional Requirements	8
4.3 Software Requirements	9
<b>Chapter 5 Database Design</b>	10
5.1 Entity relationship diagram	10
5.2 Conversion from ER diagram to schema	10
5.3 Normalization	11
5.4 Scheme diagram	12
<b>Chapter 6 Implementation</b>	13
6.1 Tools Description	13
6.2 Stored Procedures	15
6.3 Trigger	15
6.4 Scripts	16

<b>Chapter 7</b>	<b>Results and Discussion</b>	26
<b>Chapter 8</b>	<b>Conclusions and Scope for future work</b>	31
<b>Bibliography</b>		32
<b>Personal Profile</b>		33

## List of figures

---

5.1: E R Diagram .....	10
5.4: Schema Diagram.....	12
7.1: Welcome.....	26
7.2: Admin Login .....	26
7.3: Admin Menu .....	27
7.4: Bus Details .....	27
7.5: Register Details.....	28
7.6: User Login.....	28
7.7: User Menu .....	29
7.8: Journey Details .....	29
7.9: On Route Details .....	30
7.10: Passenger Details .....	30