

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.

POOJARI BRIJESH R

4SU17CS059

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.
Acknowledgement	i
Abstract	ii
Table of Contents	iii
List of Figures	iv
Chapter 1 Introduction	1
Chapter 2 Literature Review and Problem Statement	2
2.1 Introduction to DBMS	2
2.2 What is MY SQL	5
Chapter 3 Problem Formulation	6
3.1 Problem statement	6
3.2 Aim of the work	6
3.3 Objectives	7
Chapter 4 Requirement Specification	8
4.1 Functional Requirements	8
4.2 Non Functional Requirements	8
4.3 Software Requirements	9
Chapter 5 Database Design	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
Chapter 6 Implementation	13
6.1 Tools Description	13
6.2 Stored Procedures	15
6.3 Trigger	15
6.4 Scripts	16

Chapter 7	Results and Discussion	26
Chapter 8	Conclusions and Scope for future work	31
Bibliography		32
Personal Profile		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