**ABSTRACT**

An automated module for the Post Office will help in automating functions of the administration department. It helps in reducing the time spent in record keeping and the work can be carried out effectively. The searching of records in future will also become easy. The redundancy in the data due to manual data will also be tackled. The Post office will be able to access the personal information of each customer easily. The administration department will also be able to add new branches of post office, staffs, and customers, set the rates for the courier or any other parcel based on duration, weight, distance, and type of delivery. Post Office management System is an application, which is created for the use of an automated system all over the country. The Administration Block of the Post Office, situated at the head office holds the information of the customers who sent deliveries regularly with the firm and the payment details for the delivered item. This project helps the Post Office to maintain their records systematically. It provides functions such as setting rates based on weight, days/ duration, distance and type of delivery etc… The scheduling modeling of the Post Office Management System maintains logs and preference cards. The administration department schedules the delivery based on the specified delivery date and weight of the item. All these details will be kept as records. Therefore, they store this information in various files for easy access in future.

**(i)**

**ACKNOWLEDGEMENT**

It gives us immense pleasure to write an acknowledgement to this project, a contribution of all people who helped me realize it.

We are very thankful to our Principal **Dr. P. Giridhara Reddy,** VKIT, Bengaluru, for being kind enough to provide me an opportunity to work on a project in this institution.

We would like to convey our heartfelt thanks to our HOD **Prof. Chandramma R,** for giving us the opportunity to embark up to this topic

We would like to thank our project guide **Mrs. Lakshmi K** & **Mr. Shivananda C S** for their invaluable guidance, constant assistance, support and constructive suggestions for the betterment of the project, without which this project would have not been possible.

Finally, it is a pleasure and happiness to the friendly co-operation showed by all the staff members of computer science department, VKIT.

**Naveen P Pandurangi** (1VK15CS034)

**Neelakant Gudagapur** (1VK15CS035)

**(ii)**

**TABLE OF CONTENTS**

|  |  |  |
| --- | --- | --- |
| **CHAPTER NO.** | **NAME OF THE CHAPTER** | **PAGE NO** |
| **Chapter 1** | **Introduction** | **1-3** |
| 1.1 | Overview of the System | 1 |
| 1.2 | Need of E-Post Office Management System | 2 |
| 1.3 | Applications, Objective and Features | 2 |
| **Chapter 2** | **System Requirement** | **4-5** |
| 2.1 | Hardware Requirement | 4 |
| 2.2 | Software Requirement | 4 |
| 2.3 | Resources Used for the project | 5 |
| **Chapter 3** | **System Design And Analysis** | **6-10** |
| 3.1 | Data | 6 |
| 3.2 | E-R Diagram | 7 |
| 3.3 | E-R Mapping | 8 |
| 3.4 | Schema Diagram | 9 |
| 3.5 | Normalizations | 10 |
| **Chapter 4** | **Implementation** | **11-19** |
| 4.1 | Tables | 11 |
| 4.2 | Queries | 12 |
| 4.3 | Procedure and Trigger | 14 |
| 4.4 | Front-End Source Code | 15 |
| **Chapter 5** | **Testing And Snap Shots** | **20-29** |
| 5.1 | Unit testing | 20 |
| 5.2 | Validation Testing | 20 |
| 5.3 | Snapshots | 21 |
| **Chapter 6** | **Conclusion And Further Enhancement** | **27-27** |
| 6.1 | Conclusion | 27 |
| 6.2 | Further Enhancement | 27 |
|  | **References** | **28** |

|  |  |
| --- | --- |
| Acknowledgement | i |
| Abstract | ii |
| Table of Contents | iii |
| List of Figures | iv |

**(iii)**

**LIST OF FIGURES**

**Figure No. Title Page No.**

Figure 3.1 E-R Diagram of E-Post Office................................................7

Figure 3.2 Schema Diagram E-Post Office...............................................9

Figure 3.3 First Normal From Diagram...................................................10

Figure 5.1 Home Page..............................................................................21

Figure 5.2 Customer Page........................................................................22

Figure 5.3 Parcel Details (1) Page............................................................23

Figure 5.4 Parcel Details (2) Page............................................................23

Figure 5.5 Post office Page......................................................................24

Figure 5.6 Price Page................................................................................24

Figure 5.7 Employee Page........................................................................25

Figure 5.8 Delete Page..............................................................................25

Figure 5.9 Stock Page...............................................................................26

**(iv)**