**ACKNOWLEDGEMENT**

While presenting this DBMS Mini Project on “**Combative Database Management System”,** we feel that it is our duty to acknowledge the help rendered to us by various persons.

Firstly we thank God for showering his blessings on us. We are grateful to our institution City Engineering College for providing us a congenial atmosphere to carry out the project successfully.

We would like to express our heartfelt gratitude to **Dr. V S Ramamurthy,**

Principal, CEC, Bangalore, for extending his support**.**

We would also like to express our heartfelt gratitude to **Prof. Vivekavardhana Reddy**, HOD, Computer Science and Engineering whose guidance and support was truly invaluable**.**

We are very grateful to our guide, **Mrs. Archana Bhat**, Asst. Prof., Department of Computer Science, for her able guidance and valuable advice at every stage of our project which helped me in the successful completion of our project.

We would also have indebted to our Parent and Friends for their continued moral and material support throughout the course of project and helping me in finalize the presentation.

Our hearty thanks to all those have contributed bits, bytes and words to accomplish this Project.

**AKSHAY AMRUT MORAB(1CE17CS008)**

**BHUVANESHWARI M(1CE17CS024)**

**ABSTRACT**

Combative Database Management System automates the process of managing and tracking multiple information of each individual soldiers and commanders where information can be accessed. The Combative Database Management System maintains a database of each info including every commodities/equipments provided to the soldier which is being provided to him, and the barracks which has been allotted for him and commander can view details of the soldier and also he can allocate the barracks, arms and ammunitions for the soldier, and the soldier can input his details about his height, weight and other personal details about him while entering into armed forces.

The purpose of this project is to automate the existing manual system by the help of computerized equipments and full fledged computer software, full-filling their requirements such that their valuable information/data can be stored for a longer period of time with easy accessing and manipulation of the same. The required software and hardware are easy to work with.

Combative Database Management System, as described above, can lead to error-free, secure, reliable and fast management system. It can assist the other-personnel to concentrate on their other activities rather than keeping their focus on this topic. The organization can maintain computerized records without redundant entries, that means that one need not be distracted by information that is not relevant, while being able to reach the information

The main aim is to gather valuable data/information that can be stored for a longer period of time with easy accessing and manipulation of the same. Basically the project describes how to manage good performance and better services for the armed forces.

**CONTENTS**

**CHAPTER CONTENTS PAGENO**

|  |  |
| --- | --- |
| 1 Introduction 1.1 Introduction to the title of project | 2 |
| 1.2 Architecture |  |
|  |  |
| 2 Problem Statement 2.1 Problem Discussion | 3 |
| 2.2 Commander Domain Diagram |  |
| and Analysis |  |
| 2.3 ER-Diagram |  |
| 2.4 Schema-Diagram |  |
| 2.5 Study of the System |  |
| 2.5.1 Number of Modules |  |
|  |  |
| 3 Software Requirement 3.1 Software Requirement Specification | 7 |
| and Analysis 3.2 Functional Requirements |  |
| 3.3 Software and Hardware Requirements |  |
| 3.3.1 Software Requirements |  |
|  |  |
| 4 Design 4.1 Introduction to Database Design Model | 8 |
| 4.2 Functional Dependencies |  |
| 4.3 Normalization in Schemas |  |
|  |  |
| 5 Database Frond End and 5.1 Database Table Creation | 10 |
| Back End Design 5.2 Creation of Tables |  |
| 5.3 Servlet and MYSQL Connection |  |
| 5.4 Soldier and Commander Features |  |
| 5.4.1 Commander Features |  |
| 5.4.2 Soldier Features |  |
| 5.5 Front End Design |  |
| 5.6 Back-End Design |  |
| 5.7 Programming language selection |  |
| 5.7.1 Sample Coding |  |
| 5.7.2 User Interface |  |
| and Functionality Implementation |  |

**LIST OF FIGURES**

|  |  |  |
| --- | --- | --- |
| **FIGURE. No** | **FIGURE NAME** | **PAGE. No** |
| Fig:2.3 | ER Diagram | 4 |
| Fig:2.4 | Schema Diagram | 5 |
| Fig:4.2 | Functional Dependency | 9 |
| Fig:5.7 | Home Page | 37 |
| Fig:5.8 | Commander Registration | 37 |
| Fig:5.9 | Division Registration | 38 |
| Fig:5.10 | Barracks Registration | 38 |
| Fig:5.11 | Equipments Registration | 39 |
| Fig:5.12 | Soldier Registration | 39 |
| Fig:5.13 | Registration Page | 40 |
| Fig:5.14 | Success Page | 41 |
| Fig:5.15 | Vision Page | 41 |
| Fig:5.16 | Soldier Details Page | 42 |