**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“Jnanasangama”, Belagavi-590018, Karnataka**



**BANGALORE INSTITUTE OF TECHNOLOGY**

**K.R. Road, V.V. Puram, Bangalore-560 004**



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**DATABASE MANAGEMENT SYSTEM MINI PROJECT**

**18CSL58**

**COVID BED SLOT BOOKING SYSTEM**

**Submitted By**

**A M DARSHAN 1BI19CS001**

**ABHISHEK K 1BI19CS006**

**for the academic year 2021-22**

**Department of Computer Science & Engineering**

**Bangalore Institute of Technology**

**K.R. Road, V.V. Puram, Bangalore-560 004**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“Jnanasangama”, Belagavi-590018, Karnataka**

**BANGALORE INSTITUTE OF TECHNOLOGY**

**K.R. Road, V.V. Puram, Bangalore-560 004**



**Department of Computer Science & Engineering**

***Certificate***

This is to certify that the implementation of **DBMS MINI PROJECT** entitled “**COVID BED SLOT BOOKING SYSTSEM**” has been successfully completed by

**USN:1BI19CS001 NAME: A M DARSHAN**

**USN:1BI19CS006 NAME: ABHISHEK K**

of V semester B.E. for the partial fulfillment of the requirements for the Bachelor's degree in Computer Science & Engineering of the Visvesvaraya Technological University during the academic year 2021-2022.

**Lab in charge**

**Prof. Suma.L**  **Dr. J Girija**

Assistant Professor Professor and Head

Dept. of CS&E Department of CS&E

Bangalore Institute of Technology Bangalore Institute of Technology

Bangalore Bangalore

Examiners: 1) 2)

**ACKNOWLEDGEMENT**

The knowledge & satisfaction that accompany the successful completion of any task would be incomplete without mention of people who made it possible, whose guidance and encouragement crowned my effort with success. I would like to thank all and acknowledge the help I have received to carry out this Mini Project.

I would like to convey my thanks to Head of Department **Dr. J Girija** for being kind enough to provide the necessary support to carry out the mini project. I am most humbled to mention the enthusiastic influence provided by the lab in-charges **Prof. Suma L**, on the project for their ideas, time to time suggestions for being a constant guide and co-operation showed during the venture and making this project a great success.

I would also take this opportunity to thank my friends for their constant support and help. I'm very much pleasured to express my sincere gratitude to the friendly co-operation showed by all the staff members of Computer Science Department, BIT.

**A M DARSHAN (1BI19CS001)**

**ABHISHEK K (1BI19CS006)**

**CONTENTS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ch No.** |  | **Title** | **Page No.** |
| 1 |  | **Introduction** |  |
| 1.1 | Overview | 1 |
| 1.2 | Problem Statement | 1 |
| 2 |  | **Back End Design** |  |
| 2.1 | Conceptual Database Design | 2 |
| 2.2 | Logical Database Design | 3 |
| 2.3 | Normalization | 4 |
| 3 |  | **Front End Design** |  |
| 3.1 | Screen Layout | 9 |
| 3.2 | Connectivity | 10 |
| 4 | 4 | **Major modules** | 14 |
| 5 |  | **Implementation** |  |
| 5.1 | Create Statements | 15 |
|  | 5.2 | Trigger statements and Data insertion | 18 |
|  | 5.3 | Python Code | 19 |
|  | 5.4 | HTML Files | 33 |
| 6 |  | **Snapshots** | 39 |
| 7 |  | **Applications** | 46 |
| 8 |  | **Conclusion** | 47 |

**List of Figures**

|  |  |  |
| --- | --- | --- |
| **Figure No.** | **Figure Name** | **Page No.** |
| 2.1 | ER Diagram | 2 |
| 2.2 | ER to Relational Mapping | 3 |
| 3.1 | Screen Layout Design | 9 |
| 3.2.1 | Back end database | 12 |
| 3.2.2 | Back end database table values | 13 |
| 6.1 | Home Page | 39 |
| 6.2 | Home Page Slider | 39 |
| 6.3 | User Sign | 40 |
| 6.4 | User Login | 40 |
| 6.5 | Hospital Login | 41 |
| 6.6 | Admin Login | 41 |
| 6.7 | Add Hospital User | 42 |
| 6.8 | Add Hospital Data | 42 |
| 6.9 | Hospital Data Update | 43 |
| 6.10 | Bed Slot Booking | 43 |
| 6.11 | Patient Details | 44 |
| 6.12 | Triggered Data | 44 |
| 6.13 | Xampp server Database | 45 |
| 6.14 | Email | 45 |

**List of Tables**

|  |  |  |
| --- | --- | --- |
| **Table No.** | **Table Name** | **Page No.** |
| 2.1 | Booking Patient | 5 |
| 2.2 | Hospital Data | 6 |
| 2.3 | Hospital User | 6 |
| 2.4 | Triggered Data | 7 |
| 2.5 | User | 8 |