

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JnanaSangama, Belagavi – 590014.



MINI PROJECT REPORT

ON

“Covid Care Management System”

Submitted in partial fulfillment for the requirement of 5th semester for the

**Degree of Bachelor of Engineering in
INFORMATION SCIENCE & ENGINEERING**

For the academic year 2020-21

SUBMITTED BY:

TEJESHWAR R

[1DB18IS090]

Under the guidance of:

Mrs.Manjula

Assistant Professor,

Dept. of ISE



DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU-560074

DON BOSCO INSTITUTE OF TECHNOLOGY



Kumbalagodu, Bengaluru-560074

**DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
CERTIFICATE**

This is to certify that the Mini Project Report entitled **“COVID CARE MANGEMENT SYSTEM”** is a bonafide Mini Project work carried out by **Tejeshwar R (1DB18IS090)**, in partial fulfillment of ‘5th’ semester for the Degree of **Bachelor of Engineering in Information Science and Engineering** of Visvesvaraya Technological University, Belagavi, during the academic year 2020-21. It is certified that all corrections/suggestions indicated for Internal Assessments have been incorporated with the degree mentioned.

Mini Project Guide

Mrs. Manjula

Asst. Prof.
Dept. of ISE,
DBIT, Bangalore.

Head of Department

Prof. Gowramma G.S

Head of Department
Dept. of ISE,
DBIT, Bangalore.

External Viva

Name of the Examiners

1. _____

2. _____

Signature with Date

DON BOSCO INSTITUTE OF TECHNOLOGY
Kumbalagodu, Bengaluru -560074



DECLARATION

I, **TEJESHWAR R**, student of fifth semester B.E, Department of Information Science and Engineering, Don Bosco Institute of Technology, Kumbalagodu, Bengaluru, declare, that the Mini Project Work entitled “**COVID CARE MANAGEMNT SYSTEM**” has been carried out by and submitted in partial fulfillment of the requirement of V semester Aug 2020-Jan 2021. The matter embodied in this report has been submitted to any university or institute for the award of any other degree or diploma.

Place: Bengaluru

Date:

TEJESHWAR R

(1DB18IS090)

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ABSTRACT

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Chapter-1

INTRODUCTION

I have developed Covid Care Management System to get rid from manual entry and record system and try to give easy and simple database management system to maintain the record of patient details. This system is useful in keeping the record of the patient, doctor, ward and bill details and many more things. Since the information is maintained by a single person (Admin), hence the data is safe. By using this System, we can make the system better and quick way.

1.1 Aim

The main aim of designing this project is to get rid from manual entry and record system and try to give easy and simple database management system for Covid care management system.

1.2 Objective

The main objective of this DBMS mini project is to construct good quality and dynamic management system, in which this database is used to store the details of all the patients who have been treated in Covid care center.

1.3 Scope

The software product “Covid Care Management System” will be an application that will be Used for maintaining the records in an organized manner and to replace old paper work system. This project aims at automating the patient details for smooth working of the database by automating almost all the activities. Updations and modifications will be easily achievable and all the calculations and accounting work will be accurate.

1.4 ADVANTAGES/DISADVANTAGES

1.4.1 Advantages

This Project is beneficial for the following

1. User has complete control as it provides and accepts only appropriate and valid data.
2. Addition, deletion, modification of records as when needed.
3. Decreases the paper and labor work.
4. Manage the entire process.
5. User-friendly error messages are provided wherever necessary.

1.4.2 Disadvantages

1. It's too tiring to give Computerized Timing.
2. Security Limitations.
3. Only a single user (Admin) can access the data.

1.5 Technology Used: -

Language: - PHP

Backend: - MYSQL (Xampp)

Frontend: - HTML, CSS

1.6 System Requirements: -

Minimum RAM: - 256 MB

Hard Disk: - 40 GB

Processor: - Intel Pentium 4

Operating System: - Windows 10

Chapter-2**OBJECTIVES**

- The Admin has complete control as it provides and accepts only appropriate and valid data.
- The basic purpose of designing this mini project is to get rid from manual entry and record system and try to give easy and simple database management system for patients being treated in Covid care center.
- This mini project is designed to keep the record of the patient, doctor, ward and bill details and many more things.
- It also helps to keep record of these details and enable an interactive way of maintaining and analyzing the data.

Chapter-3

ER DIAGRAM

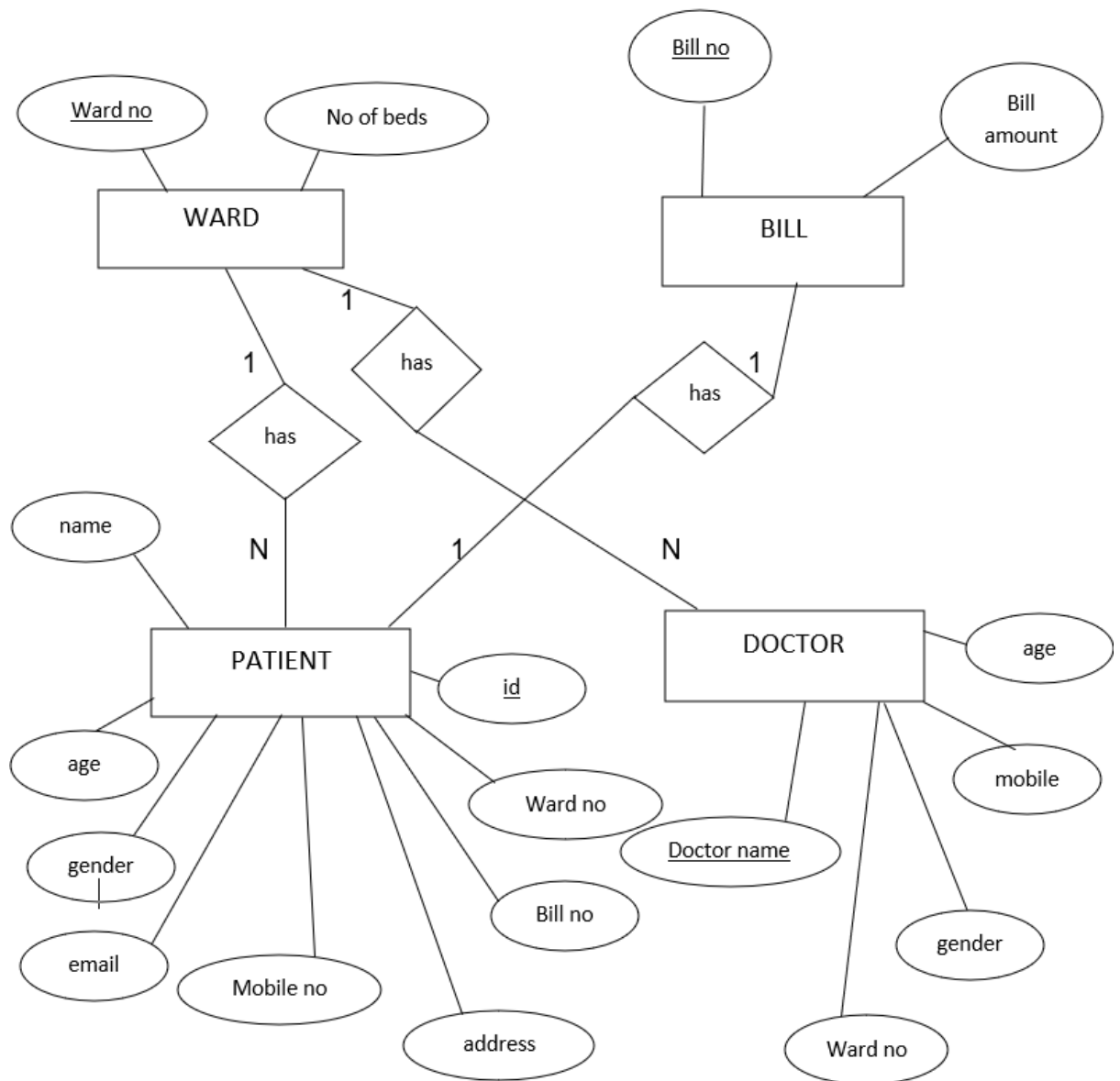


Fig3.1 ER DIAGRAM of Covid care management system.

The figure shows the representation of ER diagram of Covid care management system. It contains the connection i.e., relation between the entities and the participation ratio. And primary key is underlined as we see in figure and foreign keys are the keys that relate to primary key of another table represented by connecting to that table.

Chapter-4

SCHEMA DIAGRAM

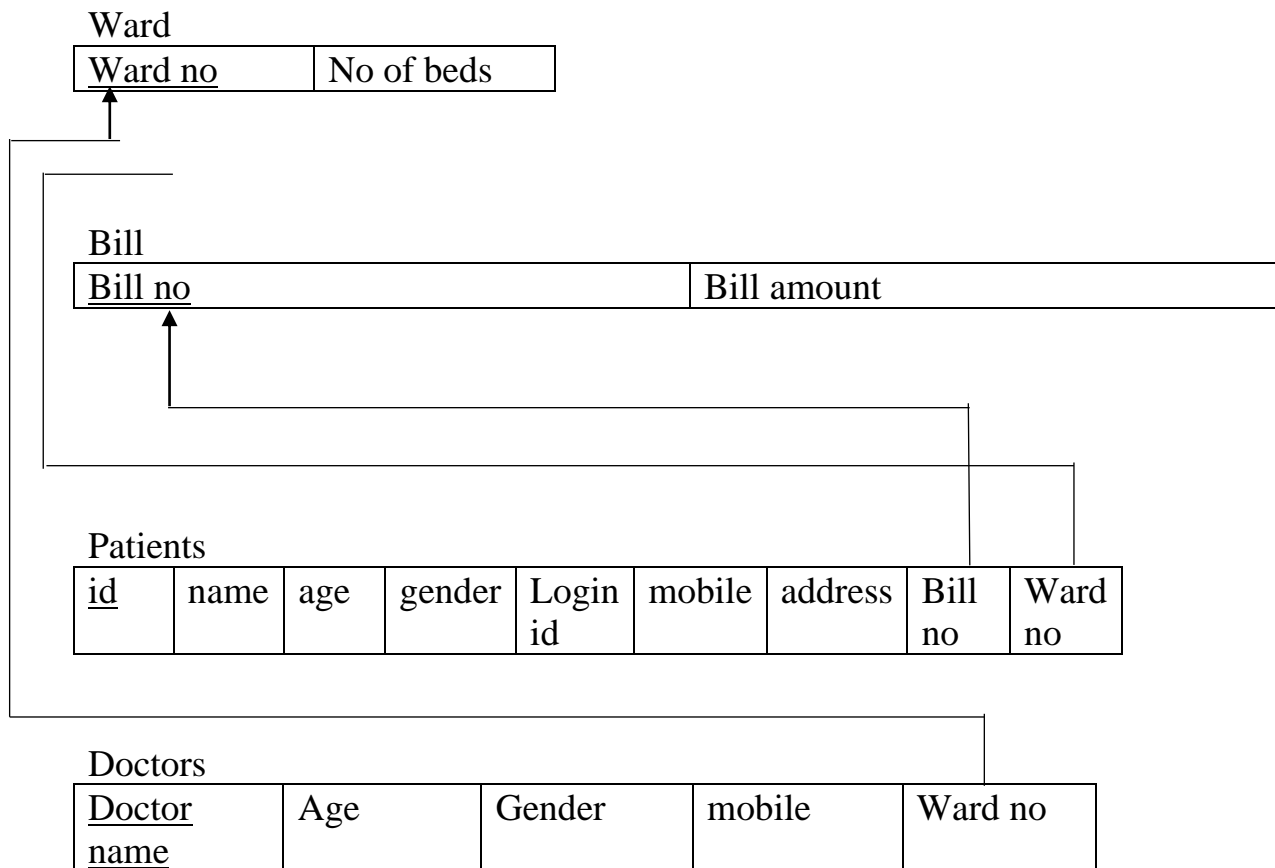


Fig4.1 SCHEMA DIAGRAM of Covid care management system.

The figure shows the representation of Schema diagram of Covid care management system. It contains all the tables used in this mini project and these tables are connected to each other with respect to primary keys and foreign keys. Here primary keys are represented by underlining it and foreign keys are connected to the table of that particular primary key is present.

Chapter-5**DATA TABLES****Admin table:**

Sl No.	Field Name	Data type	Description
1	aid	INT (30)	Store the aid.
2	name	VARCHAR (30)	Store the Admin name.
3	email	VARCHAR (30)	Store the email
4	password	VARCHAR (30)	Store the password

Bill table:

Sl No.	Field Name	Data type	Description
1	billno	INT (10)	Store the joinyear.
2	id	INT (10)	Store the patient id.
3	name	VARCHAR (10)	Store the patient name.
4	mobile	VARCHAR (30)	Store the mobile number.
5	amount	INT (30)	Store the amount.

Doctor table:

Sl No.	Field Name	Data type	Description
1	did	INT (10)	Store the did.
2	Name	VARCHAR (30)	Store the doctor name.
3	Age	INT (10)	Store the age.

4	gender	VARCHAR (10)	Store the gender.
5	Mobile	VARCHAR (30)	Store the mobile number.
6	Address	VARCHAR (30)	Store the address.
7	wardno	INT (10)	Store the sem.

Patient table:

Sl No.	Field Name	Data type	Description
1	id	INT (10)	Store the id.
2	name	VARCHAR (30)	Store the name.
3	Age	INT (10)	Store the age.
4	gender	VARCHAR (10)	Store the gender.
5	logid	VARCHAR (30)	Store the login id.
6	Password	VARCHAR (30)	Store the password.
7	mobile	VARCHAR (30)	Store the mobile.
8	address	VARCHAR (30)	Store the address.
9	Wardno	INT (10)	Store the ward number.

Backlogs table:

Sl.No.	Field Name	Data type	Description
1	wardno	INT (10)	Store the wardno.
2	noofbeds	INT (10)	Store the noofbeds.

Chapter-6

SOURCE CODES

6.1 INSERT STATEMENTS:

```
<?php

if(isset($_POST['submit'])) {

    $connection = mysqli_connect("localhost","root","");

    $db = mysqli_select_db($connection,"cms");

    $query = "insert into patient
values(null,$_POST[name'],$_POST[age'],$_POST[gender'],$_POST[logid'],$_POST[pass
word'],$_POST[mobile'],$_POST[address],null)";

    $query_run = mysqli_query($connection,$query);

?>

<script type="text/javascript">

    alert("Registration successful.... You may login now.")

    window.location.href = "index.php";

</script>

<?php }

?>
```

6.2 DELETE STATEMENT:

```
<?php

    $connection = mysqli_connect("localhost","root","");

    $db = mysqli_select_db($connection,"cms");

    $query = "delete from patient where id = $_GET[id]";

    $query_run = mysqli_query($connection,$query);

?>

<script type="text/javascript">

    alert("Record Deleted...");

    window.location.href = "patdel.php";

</script>
```

6.3 UPDATE STATEMENTS:

```
<?php

if(isset($_POST['submit'])) {

    $connection = mysqli_connect("localhost","root","");

    $db = mysqli_select_db($connection,"cms");

    $query = "update patient set
    name='$_POST[name]',age='$_POST[age]',gender='$_POST[gender]',logid='$_POST[logid]'
    ,mobile='$_POST[mobile]',address='$_POST[address]' where logid ='$_SESSION[logid]";

    $query_run = mysqli_query($connection,$query);

?>

<script type="text/javascript">
```

```
        alert("Updated successfully...");

        window.location.href = "user_dashboard.php";

</script>

<?php }

?>
```

6.4 DISPLAY STATEMENTS

```
<?php

    session_start();

    $connection = mysqli_connect("localhost","root","");

    $db = mysqli_select_db($connection,"cms");

    $name = "";

    $age = "";

    $gender = "";

    $logid = "";

    $mobile = "";

    $address = "";

    $query = "select * from patient where logid = '$_SESSION[logid]'";

    $query_run = mysqli_query($connection,$query);

    while($row = mysqli_fetch_assoc($query_run)){

        $name = $row['name'];

        $age = $row['age'];

        $gender = $row['gender'];

        $logid = $row['logid'];

        $mobile = $row['mobile'];

        $address = $row['address'];

    }?>
```

Chapter-7

SNAPSHOTS

7.1 Admin Login Page: -

Covid care Management System

Admin Login Patient Login Registration

Protect yourself and others from COVID-19

Admin Login Form

Email ID:

Password:

Login

What to do to keep yourself and others safe from COVID-19

- Maintain at least a 1-metre distance between yourself and others
- Make wearing a mask a normal part of being around other people.
- The appropriate use, storage and cleaning or disposal are essential to make masks as effective as possible.

Cautions before wearing a mask.

- Clean your hands before you put your mask on, as well as before and after you take it off.
- Make sure it covers both your nose, mouth and chin.
- When you take off a mask, store it in a clean plastic bag.
- Dispose a medical mask in a trash bin only.
- Don't use masks with valves.

Fig 7.1 Admin login page

Admin need to enter email id and password and press login if email id and password are correct then admin will be switched on to next page if incorrect password then he is not able to log in.

7.2 Patient Registration Page: -

Patient Admission Registration Form

Full Name:

Age:

Gender:

Login ID:

Password:

Mobile Number:

Address:

register

What to do to keep yourself and others safe from COVID-19

- Maintain at least a 1-metre distance between yourself and others
- Make wearing a mask a normal part of being around other people.
- The appropriate use, storage and cleaning or disposal are essential to make masks as effective as possible.

Cautions before wearing a mask.

- Clean your hands before you put your mask on, as well as before and after you take it off.
- Make sure it covers both your nose, mouth and chin.
- When you take off a mask, store it in a clean plastic bag.
- Dispose a medical mask in a trash bin only.
- Don't use masks with valves.

Fig 7.2 Patient Registration page

Patients need to enter details required in the patient registration page, once entered the details will be stored in the database.

7.3 Admins dashboard: -

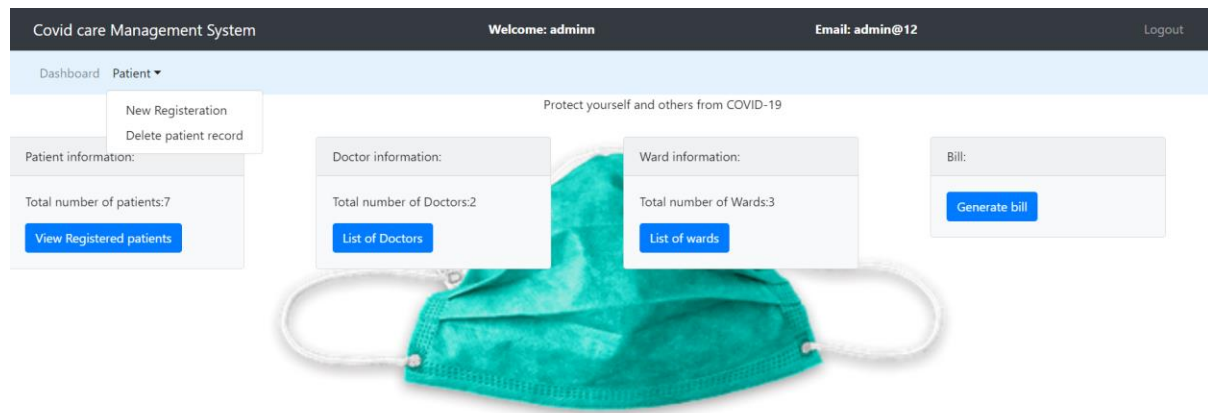


Fig 7.3 Admins Dashboard page

This page shows all the details of the patients, doctors, wards and admin can even add or remove patients, admin can generate bill. The admin can even logout of the session by pressing the log out icon.

7.4 Patient information: -

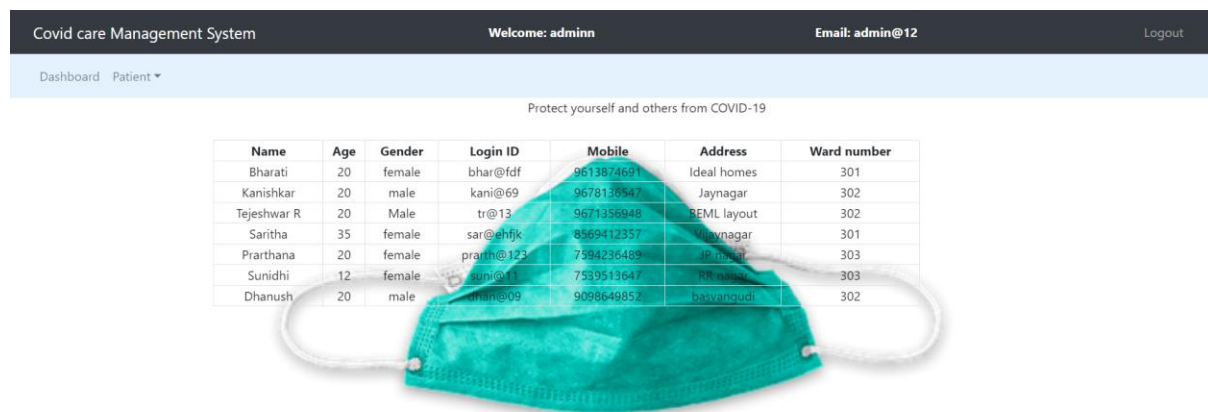


Fig 7.4 Patient information page

This page displays the list of Patients and their information who have being treated.

7.5 Doctors information: -

Covid care Management System Welcome: adminn Email: admin@12 Logout

Dashboard Patient ▾

Protect yourself and others from COVID-19

Name	Age	Gender	Mobile	Address	ward number
Prema	50	female	8569127746	BTM	303
Adarsh	45	male	953617952	Richmond	301
Ram	46	male	865123497	Malleswara	302




Fig 7.5 Doctor information page

This page displays the list of Doctors and their information who are at work.

7.6 Ward information: -

Covid care Management System Welcome: adminn Email: admin@12 Logout

Dashboard Patient ▾

Protect yourself and others from COVID-19

wardno	Name	Age	Gender	Mobile	Address
301	Bharati	20	female	9613874691	Ideal homes
302	Kanishkar	20	male	9678136547	Jaynagar
302	Tejeshwar R	20	Male	9671356948	BEML layout
301	Saritha	35	female	8569412327	Vijaynagar
303	Prarthana	20	female	7594230466	JP nagar
303	Sunidhi	22	female	7539513647	RR nagar
302	Dhanush	20	male	899849852	basvangudi



Fig 7.6 Ward information page

This page displays the list of Ward contains respective patients and their information.

7.7 Bill generation page: -

Covid care Management System Welcome: adminn Email: admin@12 Logout

Dashboard Patient ▼

Protect yourself and others from COVID-19

Bill

Bill number:

Patient id:

Patient Name:

Mobile Number:

Bill amount:

Fig 7.7 Bill generation page

This page allows admin to enter the details of patient and enter the bill amount for generating bills for particular patient. Insertion operation is performed here.

7.8 Deletion page: -

Covid care Management System Welcome: adminn Email: admin@12 Logout

Dashboard Patient ▼

Protect yourself and others from COVID-19

ID	Name	Action
2	Bharati	<input type="button" value="Delete"/>
3	Kanishkar	<input type="button" value="Delete"/>
5	Tejeshwar R	<input type="button" value="Delete"/>
6	Saritha	<input type="button" value="Delete"/>
7	Prarthana	<input type="button" value="Delete"/>
8	Sunidhi	<input type="button" value="Delete"/>
10	Dhanush	<input type="button" value="Delete"/>

Fig 7.8 Deletion page

Deletion operation is performed here. This page shows the list of names of the patients, so that admin have access to delete the patient's information. Entire details of that particular patient wipe out once the admin perform delete operation.

7.9 Patient Login Page: -

Covid care Management System

Admin Login Patient Login Registration

ers from COVID-19

What to do to keep yourself and others safe from COVID-19

- Maintain at least a 1-metre distance between yourself and others
- Make wearing a mask a normal part of being around other people.
- The appropriate use, storage and cleaning or disposal are essential to make masks as effective as possible.

Cautions before wearing a mask.

- Clean your hands before you put your mask on, as well as before and after you take it off.
- Make sure it covers both your nose, mouth and chin.
- When you take off a mask, store it in a clean plastic bag.
- Dispose a medical mask in a trash bin only.
- Don't use masks with valves.

Login ID: _____

Password: _____

Login

Patient Login

Fig 7.9 Patient login page

Patient need to enter login id and password and press login if login id and password are correct then patient will be switched on to next page if incorrect password then he is not able to log in.

7.10 Patient Main Page: -

Covid care Management System

Welcome: Tejeshwar R

Login ID: tr@13

My Profile Logout

View Profile

Edit Profile

Change Password

Dashboard

Protect yourself and others from COVID-19

Bill:

View Bill

Fig 7.10 Patient Main page

This page pops as soon as patient logs in and this page allows patient to view bill generated by admin, and patient also can view and update his profile, patient can change his password. The operations included are insert, delete, update and display. The patient can even logout of the session by pressing the log out icon.

7.11 View bill Page: -

Covid care Management System Welcome: Tejeshwar R Login ID: tr@13 My Profile Logout

Dashboard

Track yourself and others from COVID-19

Bill number: 4

Patient id: 5

Name: Tejeshwar

Mobile no: 9671356948

Bill amount: 20000

Fig 7.11 View bill page

Patient can view this page as soon as he clicks on view bill button on main. This page displays the bill generated by admin. Display operation is performed here.

7.1.1 Insertion Operation:

What to do to keep yourself and others safe from COVID-19

- Maintain at least a 1-metre distance between yourself and others
- Make wearing a mask a normal part of being around other people.
- The appropriate use, storage and cleaning or disposal are essential to make masks as effective as possible.

Cautions before wearing a mask.

- Clean your hands before you put your mask on, as well as before and after you take it off.
- Make sure it covers both your nose, mouth and chin.
- When you take off a mask, store it in a clean plastic bag.
- Dispose a medical mask in a trash bin only.
- Don't use masks with valves.

Patient Registration

Full Name: _____

Age: _____

Gender: _____

Login ID: _____

Password: _____

Mobile Number: _____

Address: _____

[register](#)

Fig 7.3.1 Insertion operation sample

This page is for adding patient details into the patient entity. Once added you get the message that “Registration successful”.

7.1.2 Deletion Operation:

ID	Name	Action
2	Bharati	Delete
3	Kanishkar	Delete
5	Tejeshwar R	Delete
6	Saritha	Delete
7	Prarthana	Delete
8	Sunidhi	Delete
10	Dhanush	Delete

Figure 7.3.2 Deletion operation sample

This page shows the list of names of the patients, so that admin have access to delete the patient's information. Entire details of that particular patient wipe out once the admin perform delete operation.

7.1.3 Update Operation:

Dashboard

Protect yourself and others from COVID-19

Name: Tejeshwar R

Age: 20

Gender: Male

Login ID: tr@13

Mobile: 9671356948

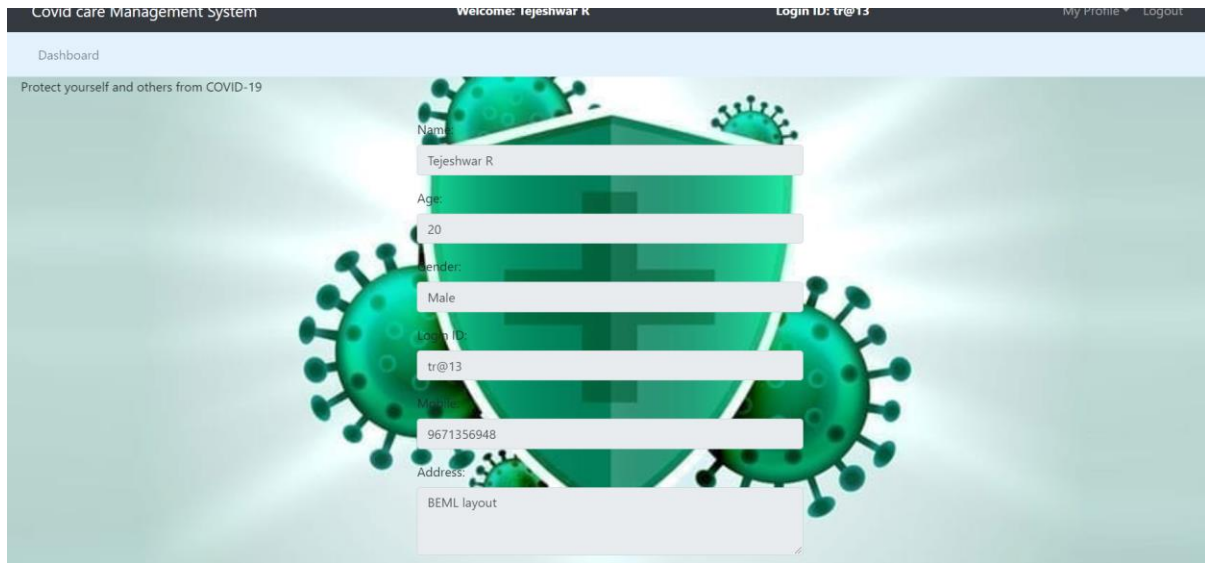
Password: BEMl layout

Update

Figure 7.3.3 Update operation sample

Patients can edit the details of their own if required. The details will be updated and "Updated successfully..." message pops up once he clicks update button.

7.1.4 Display Operation:



The screenshot displays the 'Covid care Management System' dashboard. At the top, a navigation bar includes 'Covid care Management System', 'Welcome: Tejeshwar R', 'Login ID: tr@13', and links for 'My Profile' and 'Logout'. Below this, a 'Dashboard' section contains the text 'Protect yourself and others from COVID-19'. The main content area features a large green virus graphic with a white cross. Overlaid on this is a form with the following fields: 'Name' (Tejeshwar R), 'Age' (20), 'Gender' (Male), 'Login ID' (tr@13), 'Mobile' (9671356948), and 'Address' (BEML layout).

Figure 7.3.4 Display operation sample

In this if all the values are inserted, if we press view profile, then all the values are displayed.

Chapter-8

CONCLUSION

The Mini Project “Covid Care Management System” is designed in order to reduce the burden of maintaining bulk of records of all the patients in which Inserting, Retrieving and updating the Details are easy when it is compared to the manual update and storing. This project helps in maintaining the patients details and many more in an organized manner and to replace old paper work system.

Chapter-9

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