

**Project**  
**ON**  
**“Covid Bed Slot Booking ”**

**IS SUBMITTED TO**  
**SANT GADGE BABA AMRAVATI UNIVERSITY**  
**IN THE PARTIAL FULFILLMENT OF THE DEGREE OF**  
**BACHELORS OF ENGINEERING**  
**IN**  
**INFORMATION TECHNOLOGY**

**BY**  
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**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**SIPNA COLLEGE OF ENGINEERING AND TECHNOLOGY AMRAVATI**  
**(AN ISO 9001:20015 CERTIFIED INSTITUTE)**  
**SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI**  
**2021-2022**

**Sipna College of Engineering & Technology,  
Amravati.  
Department of Information Technology**

**CERTIFICATE**

This is to certify that Student **Prathamesh Manoj Rathod** has satisfactorily completed the project work towards the Bachelor of Engineering Degree of Sant Gadge Baba Amravati University, Amravati, in Information Technology discipline on the topic entitled “Covid Bed Slot Booking”, during the academic year 2021-22 under my supervision and guidance.

**Prof. A.R.Bhuyar**  
**Guide**

**Dr. V.S. Gulhane**  
**Head of Dept.**

**Dr. S. M. Kherde**  
**Principal**

# Acknowledgement

A moment of pause, to express a deep gratitude to several individuals, without whom this project could not have been completed.

We feel immense pleasure to express deep sense of gratitude and indebtedness to our guide **Prof. A.R.Bhuyar** for constant encouragement and noble guidance.

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We express our sincere thanks to **Dr. S. M. Kherde**, Principal, Sipna College of Engineering & Technology for his valuable guidance.

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Last but not the least we are thankful to our friends and our parents whose best wishes are always with us.

**Mr. Prathamesh Manoj Rathod**

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# **INTRODUCTION:**

In these project we can divide these into 3 parts.

1. User Login
2. Admin Login
3. Hospital Login

In **user login** user can book a different types covid bed like normal bed ,hicu bed,icu bed, ventilator bed for covid positive patient also user can check availability status of bed. The login id of user are created inside signup option where user can be added there srf no and date of birth . For the security purpose the dob are stored in encryption types inside database. After login the user will book a bed for patient according to type of bed which they want and availability of hospital. After that they can seen the patient detail inside detail option.

In **admin login** admin can be created a hospital user account by adding email, dob and random password. After successfully creating account the user id and password will be sent to register email address of hospital user.

In hospital login hospital user *ie huser* will be login the by adding registered email and password ,if password or email will incorrect it throw error ie “**Invalid Credentials**” . After login huser will added hospital and also update hospital data. After adding the detail the h-user will be logout by clicking logout button.

## **OBJECTIVES:**

- The main objective of the project is to design and develop a user friendly-system
- Easy to use and an efficient computerized system.
- To develop an accurate and flexible system, it will eliminate data redundancy.
- To study the functioning of covid bed booking slot.
- To make a software fast in processing, with good user interface.
- To make software with good user interface so that user can change it and it should be used for a long time without error and maintenance.
- To provide synchronized and centralized farmer and seller database.
- Computerization can be helpful as a means of saving time and money.
- To provide better Graphical User Interface (GUI).
- Less chances of information leakage.
- Provides Security to the data by using login and password method.
- To provide immediate storage and retrieval of data and information.
- Improving arrangements for patient coordination.
- Reducing paperwork

# **SOFTWARE REQUIREMENTS SPECIFICATION:**

## **1. SOFTWARE REQUIREMENTS:**

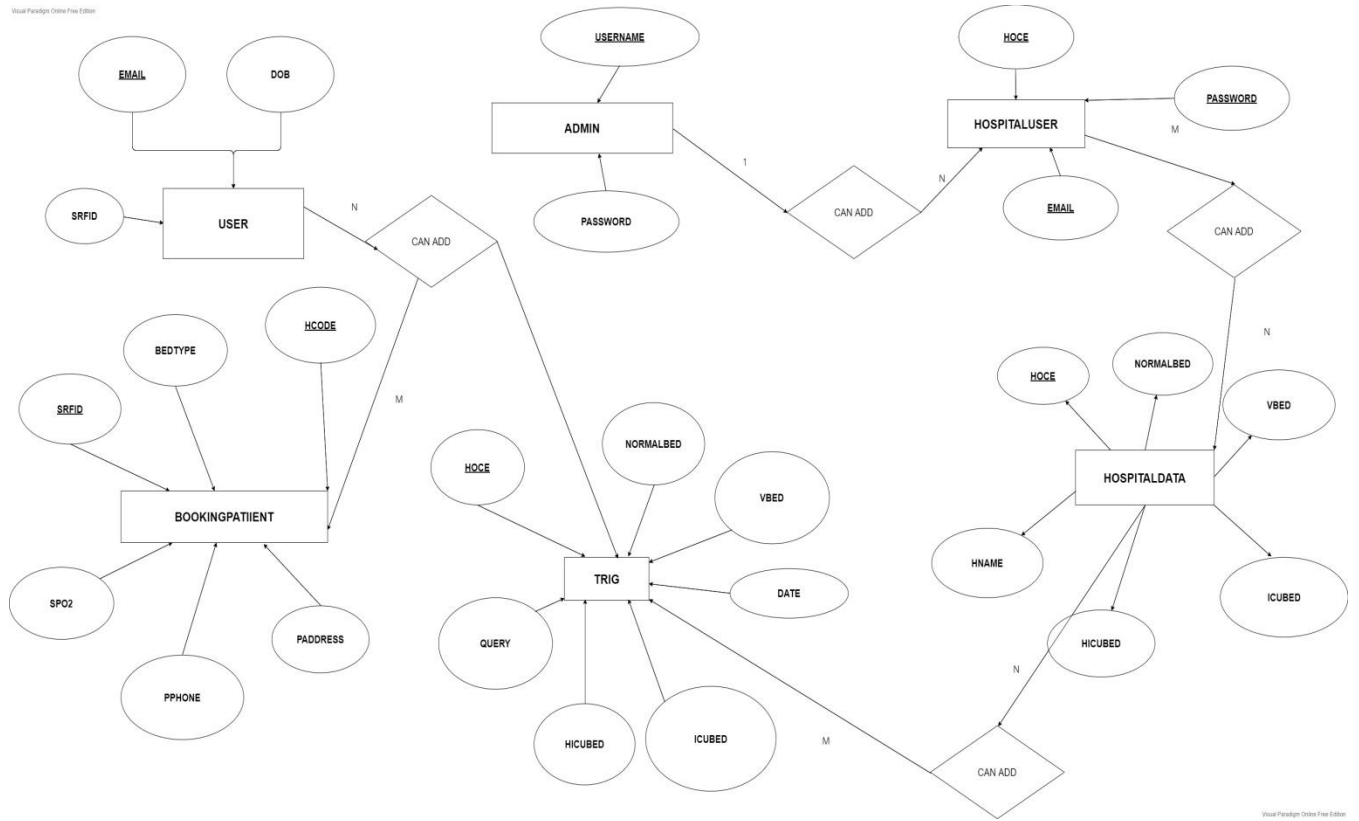
Frontend- HTML, CSS, Java Script, Bootstrap Backend-Python flask (Python 3.7) , SQLAlchemy

- Operating System: Windows 7 or higher versions
- Google Chrome/Internet Explorer
- XAMPP (Version-3.7)
- Python main editor (user interface): PyCharm Community
- workspace editor: Sublime text 3

## **2. HARDWARE REQUIREMENTS:**

- ❖ Computer with a 1.1 GHz or faster processor
- ❖ Minimum 2GB of RAM or more
- ❖ GB of available hard-disk space
- ❖ 5400 RPM hard drive
- ❖ 1366 × 768 or higher-resolution display
- ❖ DVD-ROM drive

# E-R DIAGRAM:





# IMPLEMENTATION:

An "implementation" of Python should be taken to mean a program or environment which provides support for the execution of programs written in the Python language, as represented by the CPython reference implementation. There have been and are several distinct software packages providing of what we all recognize as Python, although some of those are more like distributions or variants of some existing implementation than a completely new implementation of the language.

## Back End (MySQL)

### Database:

A Database Management System (DBMS) is computer software designed for the purpose of managing databases, a large set of structured data, and run operations on the data requested by numerous users. Typical examples of DBMSs include Oracle, DB2, Microsoft Access, Microsoft SQL Server, Firebird, PostgreSQL, MySQL, SQLite, FileMaker and Sybase Adaptive Server Enterprise. DBMSs are typically used by Database administrators in the creation of Database systems. Typical examples of DBMS use include accounting, human resources and customer support systems. Originally found only in large companies with the computer hardware needed to support large data sets, DBMSs have more recently emerged as a fairly standard part of any company back office.

A DBMS is a complex set of software programs that controls the organization, storage, management, and retrieval of data in a database. A DBMS includes:

- A modeling language to define the schema of each database hosted in the DBMS, according to the DBMS data model.
- The dominant model in use today is the ad hoc one embedded in SQL, despite the objections of purists who believe this model is a corruption of the relational model, since it violates several of its fundamental principles for the sake of practicality and performance. Many DBMSs also support the Open Database Connectivity API that supports a standard way for programmers to access the DBMS.
- Data structures (fields, records, files and objects) optimized to deal with very large amounts of data stored on a permanent data storage device (which implies relatively slow access compared to volatile main memory). A database query language and report writer to allow users to interactively interrogate the database, analyze its data and update it according to the users privileges on data.

- Data security prevents unauthorized users from viewing or updating the database.—  
Using passwords, users are allowed access to the entire database or subsets of it called sub schemas. For example, an employee database can contain all the data about an individual employee, but one group of users may be authorized to view only payroll data, while others are allowed access to only work history and patient data.
- If the DBMS provides a way to interactively enter and update the database, as well— as interrogate it, this capability allows for managing personal databases. However, it may not leave an audit trail of actions or provide the kinds of controls necessary in a multi-user organization. These controls are only available when a set of application programs are customized for each data entry and updating function.

A transaction mechanism, that ideally would guarantee the ACID properties, in order to ensure data integrity, despite concurrent user accesses (concurrency control), and faults (fault tolerance).

- It also maintains the integrity of the data in the database.
- The DBMS can maintain the integrity of the database by not allowing more than one user to update the same record at the same time. The DBMS can help prevent duplicate records via unique index constraints; for example, no two customers with the same customer numbers (key fields) can be entered into the database. See ACID properties for more information (Redundancy avoidance).

When a DBMS is used, information systems can be changed much more easily as the organization's information requirements change. Organizations may use one kind of DBMS for daily transaction processing and then move the detail onto another computer that uses another DBMS better suited for random inquiries and analysis. Overall systems design decisions are performed by data administrators and systems analysts. Detailed database design is performed by database administrators.

## **SQL :**

- Structured Query Language (SQL) is the language used to manipulate relational databases. SQL is tied very closely with the relational model.
- In the relational model, data is stored in structures called relations or tables

### **SQL statements are issued for the purpose of:**

- Data definition: Defining tables and structures in the database (DDL used to create,• alter and drop schema objects such as tables and indexes)

## BACKEND PYHTON WITH MYSQL CODE:

```
from flask import Flask, json, redirect, render_template, flash, request
from flask.globals import request, session
from flask.helpers import url_for
from flask_sqlalchemy import SQLAlchemy
from flask_login import UserMixin
from werkzeug.security import generate_password_hash, check_password_hash

from flask_login import
login_required, logout_user, login_user, login_manager, LoginManager, current_user

from flask_mail import Mail
import json

# mydatabase connection
local_server=True
app=Flask(__name__)
app.secret_key="prathamesh"

with open('config.json','r') as c:
    params=json.load(c)["params"]

app.config.update(
    MAIL_SERVER='smtp.gmail.com',
    MAIL_PORT='465',
    MAIL_USE_SSL=True,
    MAIL_USERNAME=params['gmail-user'],
    MAIL_PASSWORD=params['gmail-password']
)
mail = Mail(app)

# this is for getting the unique user access
login_manager=LoginManager(app)
login_manager.login_view='login'

#
app.config['SQLALCHEMY_DATABASE_URI']='mysql://username:password@localhost/databasename'
app.config['SQLALCHEMY_DATABASE_URI']='mysql://root:@localhost/covid'
db=SQLAlchemy(app)

@login_manager.user_loader
def load_user(user_id):
    return User.query.get(int(user_id)) or Hospitaluser.query.get(int(user_id))

class Test(db.Model):
```

```
id=db.Column(db.Integer,primary_key=True)
name=db.Column(db.String(50))
```

```
class User(UserMixin,db.Model):
    id=db.Column(db.Integer,primary_key=True)
    srfid=db.Column(db.String(20),unique=True)
    email=db.Column(db.String(50))
    dob=db.Column(db.String(1000))
```

```
class Hospitaluser(UserMixin,db.Model):
    id=db.Column(db.Integer,primary_key=True)
    hcode=db.Column(db.String(20))
    email=db.Column(db.String(50))
    password=db.Column(db.String(1000))
```

```
class Hospitaldata(db.Model):
    id=db.Column(db.Integer,primary_key=True)
    hcode=db.Column(db.String(20),unique=True)
    hname=db.Column(db.String(100))
    normalbed=db.Column(db.Integer)
    hicubed=db.Column(db.Integer)
    icubed=db.Column(db.Integer)
    vbed=db.Column(db.Integer)
```

```
class Trig(db.Model):
    id=db.Column(db.Integer,primary_key=True)
    hcode=db.Column(db.String(20))
    normalbed=db.Column(db.Integer)
    hicubed=db.Column(db.Integer)
    icubed=db.Column(db.Integer)
    vbed=db.Column(db.Integer)
    querys=db.Column(db.String(50))
    date=db.Column(db.String(50))
```

```
class Bookingpatient(db.Model):
    id=db.Column(db.Integer,primary_key=True)
    srfid=db.Column(db.String(20),unique=True)
    bedtype=db.Column(db.String(100))
    hcode=db.Column(db.String(20))
    spo2=db.Column(db.Integer)
    pname=db.Column(db.String(100))
    pphone=db.Column(db.String(100))
    paddress=db.Column(db.String(100))
```

```
@app.route("/")
def home():

    return render_template("index.html")
```

```
@app.route("/triggers")
def triggers():
    query=Trig.query.all()
```

```

return render_template("triggers.html",query=query)

@app.route('/signup',methods=['POST','GET'])
def signup():
    if request.method=="POST":
        srfid=request.form.get('srf')
        email=request.form.get('email')
        dob=request.form.get('dob')
        # print(srfid,email,dob)
        encpassword=generate_password_hash(dob)
        user=User.query.filter_by(srfid=srfid).first()
        emailUser=User.query.filter_by(email=email).first()
        if user or emailUser:
            flash("Email or srfid is already taken","warning")
            return render_template("usersignup.html")
        new_user=db.engine.execute(f"INSERT INTO `user` (`srfid`,`email`,`dob`) VALUES
({srfid},{email},{encpassword}) ")

        flash("SignUp Success Please Login","success")
        return render_template("userlogin.html")

    return render_template("usersignup.html")

@app.route('/login',methods=['POST','GET'])
def login():
    if request.method=="POST":
        srfid=request.form.get('srf')
        dob=request.form.get('dob')
        user=User.query.filter_by(srfid=srfid).first()
        if user and check_password_hash(user.dob,dob):
            login_user(user)
            flash("Login Success","info")
            return render_template("index.html")
        else:
            flash("Invalid Credentials","danger")
            return render_template("userlogin.html")

    return render_template("userlogin.html")

@app.route('/hospitallogin',methods=['POST','GET'])
def hospitallogin():
    if request.method=="POST":
        email=request.form.get('email')
        password=request.form.get('password')
        user=Hospitaluser.query.filter_by(email=email).first()
        if user and check_password_hash(user.password,password):
            login_user(user)
            flash("Login Success","info")
            return render_template("index.html")
        else:
            flash("Invalid Credentials","danger")
            return render_template("hospitallogin.html")

```

```

        return render_template("hospitallogin.html")

@app.route('/admin',methods=['POST','GET'])
def admin():

    if request.method=="POST":
        username=request.form.get('username')
        password=request.form.get('password')
        if(username==params['user'] and password==params['password']):
            session['user']=username
            flash("login success","info")
            return render_template("addHosUser.html")
        else:
            flash("Invalid Credentials","danger")

    return render_template("admin.html")

@app.route('/logout')
@login_required
def logout():
    logout_user()
    flash("Logout Successful","warning")
    return redirect(url_for('login'))


@app.route('/addHospitalUser',methods=['POST','GET'])
def hospitalUser():

    if('user' in session and session['user']==params['user']):

        if request.method=="POST":
            hcode=request.form.get('hcode')
            email=request.form.get('email')
            password=request.form.get('password')
            encpassword=generate_password_hash(password)
            hcode=hcode.upper()
            emailUser=Hospitaluser.query.filter_by(email=email).first()
            if emailUser:
                flash("Email or srif is already taken","warning")

            db.engine.execute(f"INSERT INTO `hospitaluser` (`hcode`,`email`,`password`) VALUES
({hcode}','{email}','{encpassword}') ")

            mail.send_message('COVID CARE CENTER',sender=params['gmail-
user'],recipients=[email],body=f"Welcome thanks for choosing us\nYour Login Credentials Are:\n Email
Address: {email}\nPassword: {password}\n\nHospital Code {hcode}\n\n Do not share your
password\n\nThank You..." )
            flash("Data Sent and Inserted Successfully","warning")
            return render_template("addHosUser.html")
        else:
            flash("Login and try Again","warning")
            return render_template("addHosUser.html")

```

```

# testing wheather db is connected or not
@app.route("/test")
def test():
    try:
        a=Test.query.all()
        print(a)
        return f'MY DATABASE IS CONNECTED'
    except Exception as e:
        print(e)
        return f'MY DATABASE IS NOT CONNECTED {e}'

@app.route("/logoutadmin")
def logoutadmin():
    session.pop('user')
    flash("You are logout admin", "primary")

    return redirect('/admin')

@app.route("/addhospitalinfo",methods=['POST','GET'])
def addhospitalinfo():
    email=current_user.email
    posts=Hospitaluser.query.filter_by(email=email).first()
    code=posts.hcode
    postsdata=Hospitaldata.query.filter_by(hcode=code).first()

    if request.method=="POST":
        hcode=request.form.get('hcode')
        hname=request.form.get('hname')
        nbed=request.form.get('normalbed')
        hbed=request.form.get('hicubeds')
        ibed=request.form.get('icubeds')
        vbed=request.form.get('ventbeds')
        hcode=hcode.upper()
        huser=Hospitaluser.query.filter_by(hcode=hcode).first()
        hduser=Hospitaldata.query.filter_by(hcode=hcode).first()
        if hduser:
            flash("Data is already Present you can update it..","primary")
            return render_template("hospitaldata.html")
        if huser:
            db.engine.execute(f"INSERT INTO `hospitaldata`
(`hcode`,`hname`,`normalbed`,`hicubed`,`icubed`,`vbed`) VALUES
('{hcode}','{hname}','{nbed}','{hbed}','{ibed}','{vbed}')"
            flash("Data Is Added","primary")
        else:
            flash("Hospital Code not Exist","warning")

    return render_template("hospitaldata.html",postsdata=postsdata)

@app.route("/hedit/<string:id>",methods=['POST','GET'])
@login_required

```



```

def hedit(id):
    posts=Hospitaldata.query.filter_by(id=id).first()

    if request.method=="POST":
        hcode=request.form.get('hcode')
        hname=request.form.get('hname')
        nbed=request.form.get('normalbed')
        hbed=request.form.get('hicubeds')
        ibed=request.form.get('icubeds')
        vbed=request.form.get('ventbeds')
        hcode=hcode.upper()
        db.engine.execute(f"UPDATE `hospitaldata` SET `hcode`
        ='{hcode}',`hname`='{hname}',`normalbed`='{nbed}',`hicubed`='{hbed}',`icubed`='{ibed}',`vbed`='{vbed}'
        WHERE `hospitaldata`.`id`={id}")
        flash("Slot Updated","info")
        return redirect("/addhospitalinfo")

    # posts=Hospitaldata.query.filter_by(id=id).first()
    return render_template("hedit.html",posts=posts)

@app.route("/hdelete/<string:id>",methods=['POST','GET'])
@login_required
def hdelete(id):
    db.engine.execute(f"DELETE FROM `hospitaldata` WHERE `hospitaldata`.`id`={id}")
    flash("Date Deleted","danger")
    return redirect("/addhospitalinfo")

@app.route("/pdetails",methods=['GET'])
@login_required
def pdetails():
    code=current_user.srfid
    print(code)
    data=Bookingpatient.query.filter_by(srfid=code).first()

    return render_template("detials.html",data=data)

@app.route("/slotbooking",methods=['POST','GET'])
@login_required
def slotbooking():
    query=db.engine.execute(f"SELECT * FROM `hospitaldata` ")
    if request.method=="POST":
        srfid=request.form.get('srfid')
        bedtype=request.form.get('bedtype')
        hcode=request.form.get('hcode')
        spo2=request.form.get('spo2')
        pname=request.form.get('pname')
        pphone=request.form.get('pphone')
        paddress=request.form.get('paddress')
        check2=Hospitaldata.query.filter_by(hcode=hcode).first()
        if not check2:
            flash("Hospital Code not exist","warning")

```

```

        code=hcode
        dbb=db.engine.execute(f"SELECT * FROM `hospitaldata` WHERE
`hospitaldata`.`hcode`='{code}' ")
        bedtype=bedtype
        if bedtype=="NormalBed":
            for d in dbb:
                seat=d.normalbed
                print(seat)
                ar=Hospitaldata.query.filter_by(hcode=code).first()
                ar.normalbed=seat-1
                db.session.commit()

        elif bedtype=="HICUBed":
            for d in dbb:
                seat=d.hicubed
                print(seat)
                ar=Hospitaldata.query.filter_by(hcode=code).first()
                ar.hicubed=seat-1
                db.session.commit()

        elif bedtype=="ICUBed":
            for d in dbb:
                seat=d.icubed
                print(seat)
                ar=Hospitaldata.query.filter_by(hcode=code).first()
                ar.icubed=seat-1
                db.session.commit()

        elif bedtype=="VENTILATORBed":
            for d in dbb:
                seat=d.vbed
                ar=Hospitaldata.query.filter_by(hcode=code).first()
                ar.vbed=seat-1
                db.session.commit()
        else:
            pass

        check=Hospitaldata.query.filter_by(hcode=hcode).first()
        if(seat>0 and check):

res=Bookingpatient(srfid=srfid,bedtype=bedtype,hcode=hcode,spo2=spo2,pname=pname,pphone=pphone,p
address=paddress)
        db.session.add(res)
        db.session.commit()
        flash("Slot is Booked kindly Visit Hospital for Further Procedure","success")
    else:
        flash("Something Went Wrong","danger")

    return render_template("booking.html",query=query)

app.run(debug=True)

```

# FRONT END CODE:

## 1

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>{% block title %}{% endblock title %}</title>
  <meta content="" name="description">
  <meta content="" name="keywords">

  <!-- Favicons -->
  <link href="static/assets/img/favicon.png" rel="icon">
  <link href="static/assets/img/apple-touch-icon.png" rel="apple-touch-icon">

  <!-- Google Fonts -->
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Roboto:30
0,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,600i,700,700i"
rel="stylesheet">

  <!-- Vendor CSS Files -->
  <link href="static/assets/vendor/fontawesome-free/css/all.min.css" rel="stylesheet">
  <link href="static/assets/vendor/animate.css/animate.min.css" rel="stylesheet">
  <link href="static/assets/vendor/aos/aos.css" rel="stylesheet">
  <link href="static/assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
  <link href="static/assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
  <link href="static/assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
  <link href="static/assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
  <link href="static/assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

  <!-- Template Main CSS File -->
  <link href="static/assets/css/style.css" rel="stylesheet">

</head>

<body>

  <!-- ===== Top Bar ===== -->
  <div id="topbar" class="d-flex align-items-center fixed-top">
    <div class="container d-flex align-items-center justify-content-center justify-content-md-
between">
      <div class="align-items-center d-none d-md-flex">
        <i class="bi bi-clock"></i> 24*7 Available
      </div>
      <div class="d-flex align-items-center">
        <i class="bi bi-phone"></i> Call us now +919986786453
      </div>
    </div>
  </div>
```

```

    </div>
</div>
</div>

<!-- ===== Header ===== -->
<header id="header" class="fixed-top">
    <div class="container d-flex align-items-center">

        <a href="index.html" class="logo me-auto"></a>
        <!-- Uncomment below if you prefer to use an image logo -->
        <!-- <h1 class="logo me-auto"><a href="index.html">Medicio</a></h1> -->

        <nav id="navbar" class="navbar order-last order-lg-0">
            <ul>
                <li><a class="nav-link scrollto " href="/">Home</a></li>

                <li><a class="nav-link scrollto" href="/pdetails">Patients Details</a></li>
                <li><a class="nav-link scrollto" href="/slotbooking">Available Beds</a></li>
                <li><a class="nav-link scrollto" href="/triggers">Operations</a></li>

                {% if current_user.is_authenticated and current_user.hcode %}

                    <li class="dropdown"><a href="/login"><span>Welcome {{ current_user.email }}</span> <i
class="bi bi-chevron-down"></i></a>
                        <ul>

                            <li><a href="/addhospitalinfo">Add Hospital Data</a></li>
                            <li><a href="/logout">Logout</a></li>

                        </ul>
                    </li>
                {% elif current_user.is_authenticated and current_user.srfid %}
                    <li class="dropdown"><a href="/login"><span>Welcome {{ current_user.email }}</span> <i
class="bi bi-chevron-down"></i></a>
                        <ul>

                            <li><a href="/slotbooking">Book Slot</a></li>
                            <li><a href="/logout">Logout</a></li>

                        </ul>
                    </li>
                {% else %}
                    <li class="dropdown"><a href="/login"><span>Sign In</span> <i class="bi bi-chevron-
down"></i></a>
                        <ul>
                            <li><a href="/login">User Login</a></li>
                            <li><a href="/hospitallogin">Hospital Login</a></li>
                            <li><a href="/admin">Admin Login</a></li>

                        </ul>
                    </li>
                {% endif %}

                <li><a class="nav-link scrollto" href="#contact">Contact</a></li>

```

```

        </ul>
        <i class="bi bi-list mobile-nav-toggle"></i>
    </nav><!-- .navbar -->

    <a href="/slotbooking" class="appointment-btn scrollto"><span class="d-none d-md-
inline">Bed Booking Slot</span> Book Now</a>

</div>
</header><!-- End Header -->

<!-- ===== Hero Section ===== -->
<section id="hero">
    <div id="heroCarousel" data-bs-interval="5000" class="carousel slide carousel-fade" data-bs-
ride="carousel">

        <ol class="carousel-indicators" id="hero-carousel-indicators"></ol>

        <div class="carousel-inner" role="listbox">

            <!-- Slide 1 -->
            <div class="carousel-item active" style="background-image: url(static/assets/img/slide/slide-
1.jpg)">
                <div class="container">
                    <h2>Welcome to <span>Covid center</span></h2>
                    <p>Banglore bed booking system <p>
                    <a href="#about" class="btn-get-started scrollto">Read More</a>
                </div>
            </div>

            <!-- Slide 2 -->
            <div class="carousel-item" style="background-image: url(static/assets/img/slide/slide-2.jpg)">
                <div class="container">
                    <h2>India</h2>
                    <p>Banglore bed booking system</p>
                    <a href="#about" class="btn-get-started scrollto">Read More</a>
                </div>
            </div>

        </div>

        <a class="carousel-control-prev" href="#heroCarousel" role="button" data-bs-slide="prev">
            <span class="carousel-control-prev-icon bi bi-chevron-left" aria-hidden="true"></span>
        </a>

        <a class="carousel-control-next" href="#heroCarousel" role="button" data-bs-slide="next">
            <span class="carousel-control-next-icon bi bi-chevron-right" aria-hidden="true"></span>
        </a>

    </div>
</section><!-- End Hero -->

<main id="main">

    { % block body % }

```

```

    {% endblock body % }

<footer>
    <div class="container">
        <div class="copyright">
            &copy; Copyright <strong><span>Arkprocoder</span></strong>. All Rights Reserved
        </div>
        <div class="credits">

            Designed by <a href="https://arprocoder.tech/">arkprocoder</a>
        </div>
    </div>
</footer><!-- End Footer -->

<div id="preloader"></div>
<a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i class="bi bi-
arrow-up-short"></i></a>

<!-- Vendor JS Files -->
<script src="static/assets/vendor/purecounter/purecounter.js"></script>
<script src="static/assets/vendor/aos/aos.js"></script>
<script src="static/assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="static/assets/vendor/glightbox/js/glightbox.min.js"></script>
<script src="static/assets/vendor/swiper/swiper-bundle.min.js"></script>
<script src="static/assets/vendor/php-email-form/validate.js"></script>

<!-- Template Main JS File -->
<script src="static/assets/js/main.js"></script>

</body>

</html>

```

## 2

```

{% extends 'base.html' % }
{% block title % }
Home Covid Slot Booking
{% endblock title % }

{% block body % }

{% include "message.html" % }

{% endblock body % }

```

### 3

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>{% block title %}{% endblock title %}</title>
  <meta content="" name="description">
  <meta content="" name="keywords">

  <!-- Favicons -->
  <link href="static/assets/img/favicon.png" rel="icon">
  <link href="static/assets/img/apple-touch-icon.png" rel="apple-touch-icon">

  <!-- Google Fonts -->
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Roboto:30
0,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,600i,700,700i"
rel="stylesheet">

  <!-- Vendor CSS Files -->
  <link href="static/assets/vendor/fontawesome-free/css/all.min.css" rel="stylesheet">
  <link href="static/assets/vendor/animate.css/animate.min.css" rel="stylesheet">
  <link href="static/assets/vendor/aos/aos.css" rel="stylesheet">
  <link href="static/assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
  <link href="static/assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
  <link href="static/assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
  <link href="static/assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
  <link href="static/assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

  <!-- Template Main CSS File -->
  <link href="static/assets/css/style.css" rel="stylesheet">

  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.4/css/all.min.css" integrity="sha512-
Fo3rlrZj/k7ujTnHg4CGR2D7kSs0v4LLanw2qksYuRlEzO+tcaEPQogQ0KaoGN26/zrn20ImR1DfuLWnOo
7aBA==" crossorigin="anonymous" referrerpolicy="no-referrer" />

</head>

<body>

  <!-- ===== Top Bar ===== -->
  <div id="topbar" class="d-flex align-items-center fixed-top">
    <div class="container d-flex align-items-center justify-content-center justify-content-md-
between">
      <div class="align-items-center d-none d-md-flex">
        <i class="bi bi-clock"></i> 24*7 Available
      </div>
      <div class="d-flex align-items-center">
        <i class="bi bi-phone"></i> Call us now +919986786453
      </div>
    </div>
  </div>
```

```

</div>
</div>

<!-- ===== Header ===== -->
<header id="header" class="fixed-top">
  <div class="container d-flex align-items-center">

    <a href="index.html" class="logo me-auto"></a>
    <!-- Uncomment below if you prefer to use an image logo -->
    <!-- <h1 class="logo me-auto"><a href="index.html">Medicio</a></h1> -->

    <nav id="navbar" class="navbar order-last order-lg-0">
      <ul>
        <li><a class="nav-link scrollto " href="/">Home</a></li>

        <li><a class="nav-link scrollto" href="/pdetails">Patients Details</a></li>
        <li><a class="nav-link scrollto" href="/slotbooking">Available Beds</a></li>

        {% if current_user.is_authenticated and current_user.hcode %}

          <li class="dropdown"><a href="/login"><span>Welcome {{ current_user.email }}</span> <i
class="bi bi-chevron-down"></i></a>
            <ul>

              <li><a href="/addhospitalinfo">Add Hospital Data</a></li>
              <li><a href="/logout">Logout</a></li>

            </ul>
          </li>
          {% elif current_user.is_authenticated and current_user.srfid %}
            <li class="dropdown"><a href="/login"><span>Welcome {{ current_user.email }}</span> <i
class="bi bi-chevron-down"></i></a>
            <ul>

              <li><a href="/slotbooking">Book Slot</a></li>
              <li><a href="/logout">Logout</a></li>

            </ul>
          </li>
          {% else %}
            <li class="dropdown"><a href="/login"><span>Sign In</span> <i class="bi bi-chevron-
down"></i></a>
            <ul>
              <li><a href="/login">User Login</a></li>
              <li><a href="/hospitallogin">Hospital Login</a></li>
              <li><a href="/admin">Admin Login</a></li>

            </ul>
          </li>
          {% endif %}
        <li><a class="nav-link scrollto" href="#contact">Contact</a></li>
      </ul>
      <i class="bi bi-list mobile-nav-toggle"></i>

```



```

        </nav><!-- .navbar -->

        <a href="/slotbooking" class="appointment-btn scrollto"><span class="d-none d-md-
inline">Bed Booking Slot</span> Book Now</a>

    </div>
</header><!-- End Header -->


{% block body %}


{% endblock body %}


<div id="preloader"></div>
<a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i class="bi bi-
arrow-up-short"></i></a>

<!-- Vendor JS Files -->
<script src="static/assets/vendor/purecounter/purecounter.js"></script>
<script src="static/assets/vendor/aos/aos.js"></script>
<script src="static/assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="static/assets/vendor/glightbox/js/glightbox.min.js"></script>
<script src="static/assets/vendor/swiper/swiper-bundle.min.js"></script>
<script src="static/assets/vendor/php-email-form/validate.js"></script>

<!-- Template Main JS File -->
<script src="static/assets/js/main.js"></script>

</body>

</html>

```

## 4

```

{% extends 'baselogin.html' %}
{% block title %} User Login{% endblock title %}
{% block form %}
<h2>Login </h2>

<div class="row">
<div class="col-md-4"></div>

<div class="col-md-4">

<form action="/login" method="post">

{% include "message.html" %}

<div class="form-group">

```

```
<input type="text" class="form-control mt-2" placeholder="Enter SRF ID" name="srf" required>
</div>
```

```
<div class="form-group">
<input type="date" class="form-control mt-2" placeholder="Enter DOB" name="dob" required>
</div>
<br>
<button type="submit" class="btn btn-info">Login</button>
```

```
</form>
```

```
<a class="text-dark" href="/signup">New User? Signup </a>
</div>
```

```
<div class="col-md-4"></div>
```

```
</div>
```

```
{% endblock form % }
```

## 5

```
{% extends 'baselogin.html' %}
{% block title %} User Signup{% endblock title %}
{% block form %}
<h2>Sign Up </h2>
{% include "message.html" %}
<div class="row">
<div class="col-md-4"></div>
```

```
<div class="col-md-4">
```

```
<form action="/signup" method="post">
```

```
<div class="form-group">
<input type="text" class="form-control mt-2" placeholder="Enter SRF ID" name="srf" required>
</div>
```

```
<div class="form-group">
<input type="email" class="form-control mt-2" placeholder="Enter Email" name="email"
required>
</div>
```

```
<div class="form-group">
<input type="date" class="form-control mt-2" placeholder="Enter DOB" name="dob" required>
</div>
<br>
<button type="submit" class="btn btn-info">SignIn</button>
```

```
</form>
```

```
<a class="text-success" href="/login">Click Here to Login </a>
</div>
```

```
<div class="col-md-4"></div>
```

```
</div>
```

```
{% endblock form %}
```

## 6

```
{% extends 'baselogin.html' %}
{% block title %} Admin Login{% endblock title %}
{% block form %}
<h2>Admin Login </h2>
```

```
<div class="row">
<div class="col-md-4"></div>
```

```
<div class="col-md-4">
```

```
<form action="/admin" method="post">
```

```
{% include "message.html" %}
```

```
<div class="form-group">
<input type="text" class="form-control mt-2" placeholder="Enter UserName" name="username"
required>
</div>
```

```
<div class="form-group">
<input type="password" class="form-control mt-2" placeholder="Enter Password"
name="password" required>
</div>
<br>
<button type="submit" class="btn btn-info">Login</button>
```

```
</form>
```

```
</div>
```

```
<div class="col-md-4"></div>
```

```
</div>
```

```
{% endblock form %}
```

# 7

```
{% extends 'baselogin.html' %}
{% block title %} Hospital User {% endblock title %}
{% block form %}
<h2>Add Hospital User </h2>
{% include "message.html" %}
<div class="row">
<div class="col-md-4">

<a href="/logoutadmin" class="btn btn-danger">Logout</a></div>

<div class="col-md-4">

<form action="/addHospitalUser" method="post">

<div class="form-group">
<input type="text" class="form-control mt-2" placeholder="Enter  Hospital Code" name="hcode"
required>
</div>

<div class="form-group">
<input type="email" class="form-control mt-2" placeholder="Enter  Email" name="email"
required>
</div>

<div class="form-group">
<input type="password" class="form-control mt-2" placeholder="Enter  Password"
name="password" required>
</div>

<br>
<button type="submit" class="btn btn-info">Add</button>

</form>

</div>

<div class="col-md-4"></div>

</div>

{% endblock form %}
```

## 8

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>{ % block title % } { % endblock title % } </title>
  <meta content="" name="description">
  <meta content="" name="keywords">

  <!-- Favicons -->
  <link href="static/assets/img/favicon.png" rel="icon">
  <link href="static/assets/img/apple-touch-icon.png" rel="apple-touch-icon">

  <!-- Google Fonts -->
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Roboto:300,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,600i,700,700i" rel="stylesheet">

  <!-- Vendor CSS Files -->
  <link href="static/assets/vendor/fontawesome-free/css/all.min.css" rel="stylesheet">
  <link href="static/assets/vendor/animate.css/animate.min.css" rel="stylesheet">
  <link href="static/assets/vendor/aos/aos.css" rel="stylesheet">
  <link href="static/assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
  <link href="static/assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
  <link href="static/assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
  <link href="static/assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
  <link href="static/assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

  <!-- Template Main CSS File -->
  <link href="static/assets/css/style.css" rel="stylesheet">

</head>

<body>

  <!-- ===== Top Bar ===== -->
  <div id="topbar" class="d-flex align-items-center fixed-top">
    <div class="container d-flex align-items-center justify-content-center justify-content-md-between">
      <div class="align-items-center d-none d-md-flex">
        <i class="bi bi-clock"></i> 24*7 Available
      </div>

```

```

        <div class="d-flex align-items-center">
            <i class="bi bi-phone"></i> Call us now +919986786453
        </div>
    </div>
</div>

<!-- ===== Header ===== -->
<header id="header" class="fixed-top">
    <div class="container d-flex align-items-center">

        <a href="index.html" class="logo me-auto"></a>
        <!-- Uncomment below if you prefer to use an image logo -->
        <!-- <h1 class="logo me-auto"><a href="index.html">Medicio</a></h1> -->

        <nav id="navbar" class="navbar order-last order-lg-0">
            <ul>
                <li><a class="nav-link scrollto " href="/">Home</a></li>

                <li><a class="nav-link scrollto" href="#departments">Patients Details</a></li>
                <li><a class="nav-link scrollto" href="#doctors">Available Beds</a></li>

                {% if current_user.is_authenticated %}

                    <li class="dropdown"><a href="/login"><span>Welcome
{ { current_user.email} }</span> <i class="bi bi-chevron-down"></i></a>
                        <ul>
                            <li><a href="/logout">Logout</a></li>

                        </ul>
                    </li>
                {% else %}
                    <li class="dropdown"><a href="/login"><span>Sign In</span> <i class="bi bi-
chevron-down"></i></a>
                        <ul>
                            <li><a href="/login">User Login</a></li>
                            <li><a href="/hospitallogin">Hospital Login</a></li>
                            <li><a href="/admin">Admin Login</a></li>

                        </ul>
                    </li>
                {% endif %}

                <li><a class="nav-link scrollto" href="#contact">Contact</a></li>
            </ul>
            <i class="bi bi-list mobile-nav-toggle"></i>
        </nav><!-- .navbar -->

        <a href="#appointment" class="appointment-btn scrollto"><span class="d-none d-md-
inline">Bed Booking Slot</span> Book Now</a>

```

```

    </div>
</header><!-- End Header -->

<!-- ===== Hero Section ===== -->
<section id="hero">
    <div id="heroCarousel" data-bs-interval="5000" class="carousel slide carousel-fade"
data-bs-ride="carousel">

        <ol class="carousel-indicators" id="hero-carousel-indicators"></ol>

        <div class="carousel-inner" role="listbox">

            <div class="carousel-item active" style="background-image:
url(static/assets/img/bgc.jpg)">

                <div class="container bg-light">

                    { % block form % }

                    { % endblock form % }

                </div>
            </div>

            <div>

                <a class="carousel-control-prev" href="#heroCarousel" role="button" data-bs-
slide="prev">
                    <span class="carousel-control-prev-icon bi bi-chevron-left" aria-
hidden="true"></span>
                </a>

                <a class="carousel-control-next" href="#heroCarousel" role="button" data-bs-
slide="next">
                    <span class="carousel-control-next-icon bi bi-chevron-right" aria-
hidden="true"></span>
                </a>

            </div>
        </section><!-- End Hero -->

<main id="main">

```

```

<div id="preloader"></div>
<a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i
class="bi bi-arrow-up-short"></i></a>

```

```

<!-- Vendor JS Files -->
<script src="static/assets/vendor/purecounter/purecounter.js"></script>
<script src="static/assets/vendor/aos/aos.js"></script>
<script src="static/assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="static/assets/vendor/glightbox/js/glightbox.min.js"></script>
<script src="static/assets/vendor/swiper/swiper-bundle.min.js"></script>
<script src="static/assets/vendor/php-email-form/validate.js"></script>

<!-- Template Main JS File -->
<script src="static/assets/js/main.js"></script>

```

```

</body>

```

```

</html>

```

## 9

```

{% extends "navbar.html" %} {% block title %} Slot Booking {% endblock title %}
{% block body %}

```

```

<br />

```

```

<br />

```

```

<br />

```

```

<br />

```

```

<br />

```

```

<div class="container mt-4">
  <div class="display-4 text-center text-info">Book Bed Slot</div>
  <br />
  <div class="row">
    <div class="col-md-4">
      <div class="card">
        {% include "message.html" %}
        <h4 class="text-center text-success">Covid Care Center</h4>
        <div class="card-body bg-light">
          <form action="/slotbooking" method="post">
            <div class="form-group">
              <input
                type="text"
                class="form-control mt-2"
                name="srfid"
                value="{{ current_user.srfid }}"
                readonly
                required
              />
            </div>

            <div class="form-group">

```



```
<select id="bedtype" name="bedtype" class="form-control" required>
  <option selected>Choose Bed Type</option>
  <option value="NormalBed">Normal Bed</option>
  <option value="HICUBed">HICU Bed</option>
  <option value="ICUBed">ICU Bed</option>
  <option value="VENTILATORBed">VENTILATOR Bed</option>
</select>
</div>
```

```
<div class="form-group">
  <input
    type="text"
    class="form-control mt-2"
    name="hcode"
    placeholder="Enter Hospital Code"
    required
  />
</div>
```

```
<div class="form-group">
  <input
    type="number"
    class="form-control mt-2"
    name="spo2"
    placeholder="Oxygen Level "
    required
  />
</div>
```

```
<div class="form-group">
  <input
    type="text"
    class="form-control mt-2"
    name="pname"
    placeholder="Patient Name"
    required
  />
</div>
```

```
<div class="form-group">
  <input
    type="text"
    class="form-control mt-2"
    name="pphone"
    placeholder="Patient Phone Number"
    required
  />
</div>
```

```
<div class="form-group">
  <input
    type="text"
```

```

        class="form-control mt-2"
        name="paddress"
        placeholder="Patient Address"
        required
    />
</div>

    <br />
    <button class="btn btn-info" type="submit">Book Slot</button>
</form>
</div>
</div>
</div>

<div class="col-md-8">

    <table class="table table-dark">
<thead>
<h3 class="text-center text-white bg-dark">Available Beds</h3>
<tr>

    <th scope="col">Hospital Code</th>
    <th scope="col">Hospital Name</th>
    <th scope="col">Normal Bed</th>
    <th scope="col">HICU Bed</th>
    <th scope="col">I.C.U Bed</th>
    <th scope="col">Ventilator Bed</th>
</tr>
</thead>
<tbody>
{% for post in query %}
<tr>
    <td>{{ post.hcode }}</td>
    <td>{{ post.hname }}</td>
    <td>{{ post.normalbed }}</td>
    <td>{{ post.hicubed }}</td>
    <td>{{ post.icubed }}</td>
    <td>{{ post.vbed }}</td>
</tr>

{% endfor %}

</tbody>
</table>

</div>
</div>
</div>

{% endblock body %}

```

## 10

```
{% extends 'baselogin.html' %}
{% block title %} Patient details{% endblock title %}
{% block form %}
```

```
<div class="row">
<div class="col-md-4"></div>
```

```
<div class="col-md-4">
```

```
<br>
<br>
<h1>Patient Details</h1>
<div class="card p-3">
```

```
<table class="table table-dark">
  <thead>
    <tr>
      <th scope="col">DETAILS</th>
    </tr>
```

```
<tr>
  <th scope="col">{{ data.srfid }}</th>
</tr>
<tr>
```

```
  <th scope="col">{{ data.bedtype }}</th>
</tr>
<tr>
```

```
  <th scope="col">{{ data.bedtype }}</th>
</tr>
<tr>
```

```
  <th scope="col">{{ data.hcode }}</th>
</tr>
```

```
<tr>
  <th scope="col">{{ data.spo2 }}</th>
</tr>
  <th scope="col">{{ data.pname }}</th>
</tr>
<tr>
```

```
  <th scope="col">{{ data.pphone }}</th>
</tr>
```

```
<tr>
```

```
<th scope="col">{{ data.paddress }}</th>
</tr>
```

```
</thead>
```

```
</div>
</div>
<div class="col-md-4"></div>
```

```
</div>
{% endblock form %}
```

## 11

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>Hospital Edit</title>

</head>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
1BmE4kWBq78iYhFIdvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">
<body>

<div class="container mt-4">
  <div class="display-4 text-center text-info">Update Hospital Data</div>
  <br />
  <div class="row">
    <div class="col-md-4"></div>
```

```

<div class="col-md-4">
  <div class="card">
    {% include "message.html" %}
    <h4 class="text-center text-success">Covid Care Center</h4>
    <div class="card-body bg-light">

      <form action="/hedit/{{ posts.id }}" method="post">
        <div class="form-group">
          <input
            type="text"
            class="form-control mt-2"
            name="hcode"
            value="{{ posts.hcode }}"
            placeholder="Enter the Hospital Code"
            required
          />
        </div>

        <div class="form-group">
          <input
            type="text"
            class="form-control mt-2"
            name="hname"
            value="{{ posts.hname }}"
            placeholder="Enter Hospital Name"
            required
          />
        </div>

        <div class="form-group">
          <input
            type="number"
            class="form-control mt-2"
            name="normalbed"
            placeholder="Normal Bed Available?"
            value="{{ posts.normalbed }}"
            required
          />
        </div>

        <div class="form-group">
          <input
            type="number"
            class="form-control mt-2"
            name="hicubeds"
            value="{{ posts.hicubed }}"
            placeholder="H.I.C.U Bed Available?"
            required
          />
        </div>

        <div class="form-group">

```

```

        <input
            type="number"
            class="form-control mt-2"
            name="icubeds"
            value={{ posts.icubed }}
            placeholder="I.C.U Bed Available?"
            required
        />
    </div>

    <div class="form-group">
        <input
            type="number"
            class="form-control mt-2"
            name="ventbeds"
            value={{ posts.vbed }}
            placeholder="Ventilators Bed Available?"
            required
        />
    </div>

    <br />
    <button class="btn btn-info" type="submit">Update</button>
</form>
</div>
</div>
<div class="col-md-4"></div>
</div>

```

```

</div>

```

```

</body>

```

```

</html>

```

## 12

```

{% extends "navbar.html" %}
{% block title %}
Add Hospital Information
{% endblock title %}
{% block body %}
<br>
<br>

```

```

<br>
<br>
<br>

<div class="container mt-4">
<div class="display-4 text-center text-info">Add Hospital Data</div>
<br>
<div class="row">

    <div class="col-md-4">

        <div class="card">
            {% include "message.html" %}
            <h4 class="text-center text-success">Covid Care Center</h4>
            <div class="card-body bg-light">

                <form action="/addhospitalinfo" method="post">

                    <div class="form-group">
                        <input type="text" class="form-control mt-2" name="hcode"
placeholder="Enter the Hospital Code" required>
                    </div>

                    <div class="form-group">
                        <input type="text" class="form-control mt-2" name="hname"
placeholder="Enter Hospital Name" required>
                    </div>

                    <div class="form-group">
                        <input type="number" class="form-control mt-2" name="normalbed"
placeholder="Normal Bed Available?" value="" required>
                    </div>
                    <div class="form-group">
                        <input type="number" class="form-control mt-2" name="hicubeds"
placeholder="H.I.C.U Bed Available?" required>
                    </div>

                    <div class="form-group">
                        <input type="number" class="form-control mt-2" name="icubeds"
placeholder="I.C.U Bed Available?" required>
                    </div>

                    <div class="form-group">
                        <input type="number" class="form-control mt-2" name="ventbeds"
placeholder="Ventilators Bed Available?" required>
                    </div>

                    <br>
                    <button class="btn btn-info" type="submit">Add</button>

```

```

        </form>

    </div>
</div>

</div>

<div class="col-md-8">
    <div class="card mb-3">
        <div class="row g-0">
            <div class="col-md-4">
                
            </div>
            <div class="col-md-8">
                <div class="card-body bg-dark">
                    <h5 class="card-title text-center bg-light">Hospital Data</h5>
                    <div class="card bg-dark" style="width: 28rem;">
                        <ul class="list-group list-group-flush bg-dark">
                            <li class="list-group-item">Hospital Code : <b>{{ postsdata.hcode }}</b>
                        </li>
                            <li class="list-group-item">Hospital Name :
                        <b>{{ postsdata.hname }}</b></li>
                            <li class="list-group-item">Normal Beds Available
                        <b>{{ postsdata.normalbed }}</b> </li>
                            <li class="list-group-item">H.I.C.U Beds Available:
                        <b>{{ postsdata.hicubed }}</b> </li>
                            <li class="list-group-item">I.C.U Beds Available
                        <b>{{ postsdata.icubed }}</b> </li>
                            <li class="list-group-item">Ventilators Beds Available :
                        <b>{{ postsdata.vbed }}</b></li>
                            <li class="list-group-item"><a href="/hedit/{{ postsdata.id }}"><i class="fas fa-edit"></i></a> </li>

                            <a class="ml-4" confirm('Are you sure to Delete data');
href="/hdelete/{{ postsdata.id }}"><i class="fas fa-trash-alt"></i></a>
                        </li>

                        </ul>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>

```



```
</div>
```

```
</div>
```

```
{% endblock body %}
```

## 13

```
{% with messages=get_flashed_messages(with_categories=true) %}  
{% if messages %}  
{% for category,message in messages %}
```

```
<div class="alert alert-{{ category }} alert-dismissible fade show" role="alert">  
  <strong>{{ message }}</strong>  
  <button type="button" class="btn-close" data-bs-dismiss="alert" aria-  
label="Close"></button>  
</div>
```

```
{% endfor %}  
{% endif %}  
{% endwith %}
```

## 14

```
{% extends 'baselogin.html' %}  
{% block title %} Triggers {% endblock title %}  
{% block form %}  
<h2>Triggers </h2>  
{% include "message.html" %}  
<div class="row">
```

```
<div class="col-md-2"></div>  
<div class="col-md-8">
```

```
<div class="container mt-2">
```

```
  <table class="table table-dark">  
    <thead>  
      <h3 class="text-center text-white bg-dark">Triggered Data</h3>  
      <tr>  
  
        <th scope="col">Hospital Code</th>  
        <th scope="col">Normal Bed</th>
```

```

        <th scope="col">HICU Bed</th>
        <th scope="col">I.C.U Bed</th>
        <th scope="col">Ventilator Bed</th>
        <th scope="col">Action</th>
        <th scope="col">DATE</th>
    </tr>
</thead>
<tbody>
{% for post in query %}
    <tr>
        <td>{{ post.hcode }}</td>
        <td>{{ post.normalbed }}</td>
        <td>{{ post.hicubed }}</td>
        <td>{{ post.icubed }}</td>
        <td>{{ post.vbed }}</td>
        <td>{{ post.queryys }}</td>
        <td>{{ post.date }}</td>
    </tr>

{% endfor %}

</tbody>
</table>

</div>
</div>

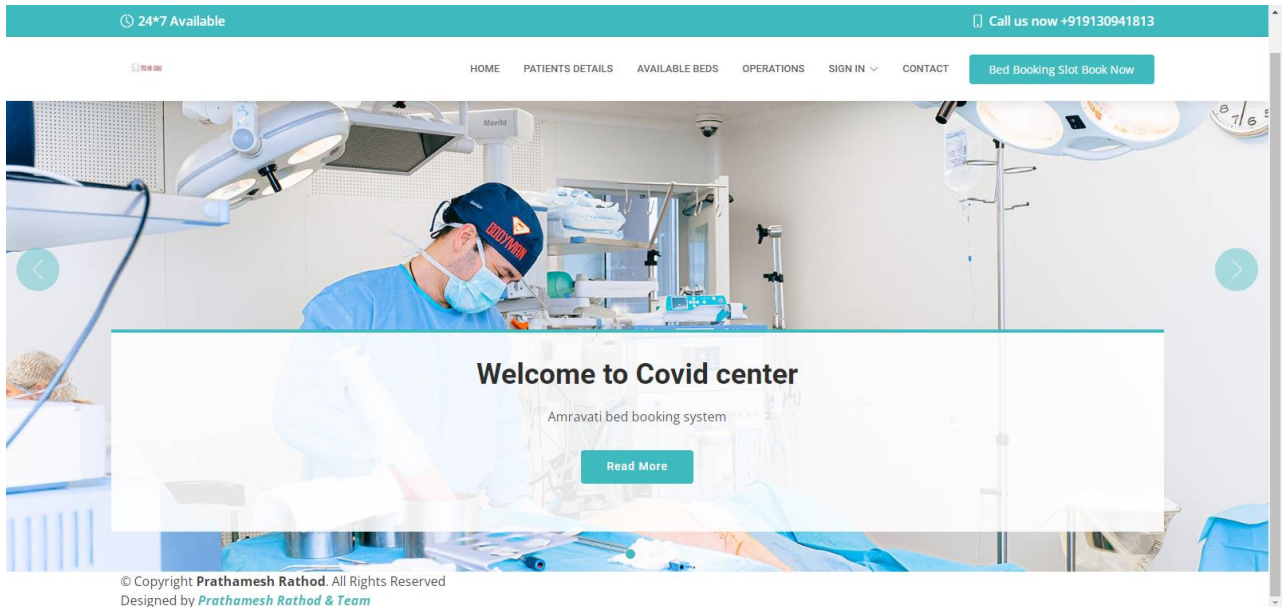
{% endblock form %}

```

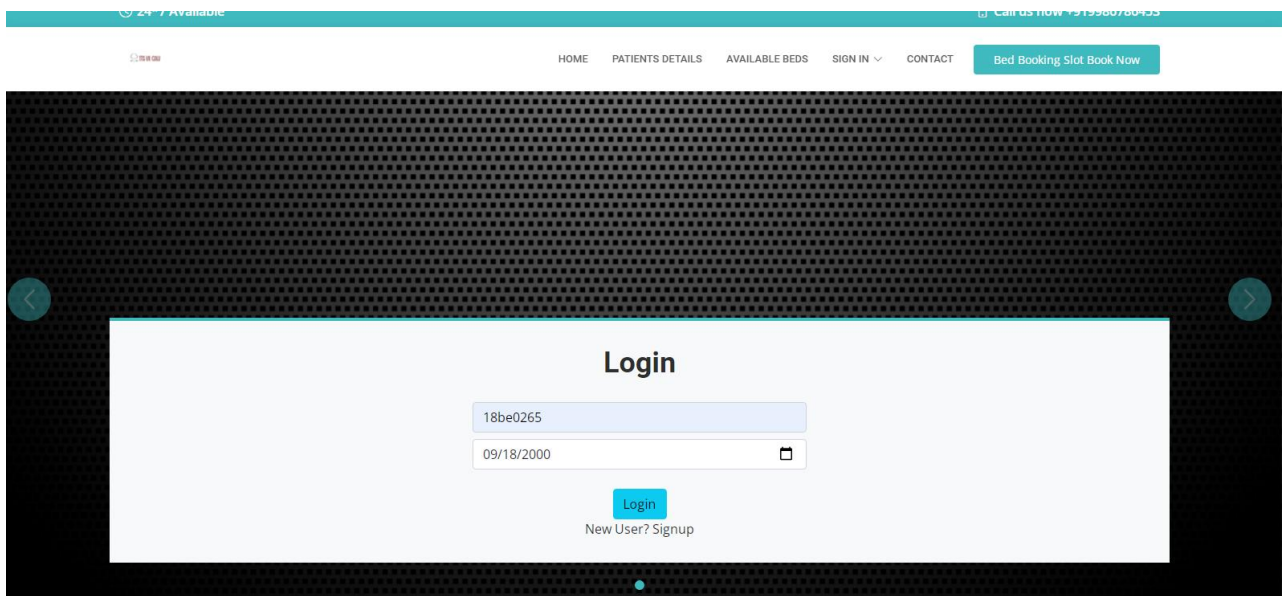
## Screenshots:-

## USER INTERFACE:-

## Home Page



## User Login



# User Signup

HOME PATIENTS DETAILS AVAILABLE BEDS SIGN IN CONTACT

Bed Booking Slot Book Now

Sign Up

Enter SRF ID

Enter Email

mm/dd/yyyy

Signin

Click Here to Login

# User section

HOME PATIENTS DETAILS AVAILABLE BEDS WELCOME MAILTOPRATHAMESH484@GMAIL.COM CONTACT

Bed Booking Slot Book Now

Patient Details

DETAILS

12345

ICUBed

ICUBed

MAT123

71

prachi gulhane

9370329275

amravati

# Bed Booking

COVID CARE

HOME

PATIENTS DETAILS

AVAILABLE BEDS

WELCOME MAILTOPRATHAMESH484@GMAIL.COM

CONTACT

Bed Booking Slot Book Now

Book Bed Slot

Covid Care Center

12345

Choose Bed Type

Enter Hospital Code

Oxygen Level

Patient Name

Patient Phone Number

Patient Address

Book Slot

Available Beds

| Hospital Code | Hospital Name  | Normal Bed | HICU Bed | I.C.U Bed | Ventilator Bed |
|---------------|----------------|------------|----------|-----------|----------------|
| MAT123        | Matha Hospital | 40         | 4        | 3         | 1              |
| 913094        | Rathod         | 13969      | 44       | 78        | 100            |

# Admin Login

COVID CARE

HOME

PATIENTS DETAILS

AVAILABLE BEDS

SIGN IN

CONTACT

Bed Booking Slot Book Now

Admin Login

prathamesh

\*\*\*\*\*

Login

# H-user Registration:

HOMEPATIENTS DETAILSAVAILABLE BEDSSIGN INCONTACT

Bed Booking Slot Book Now

Add Hospital User

Data Sent and Inserted Successfully

Logout

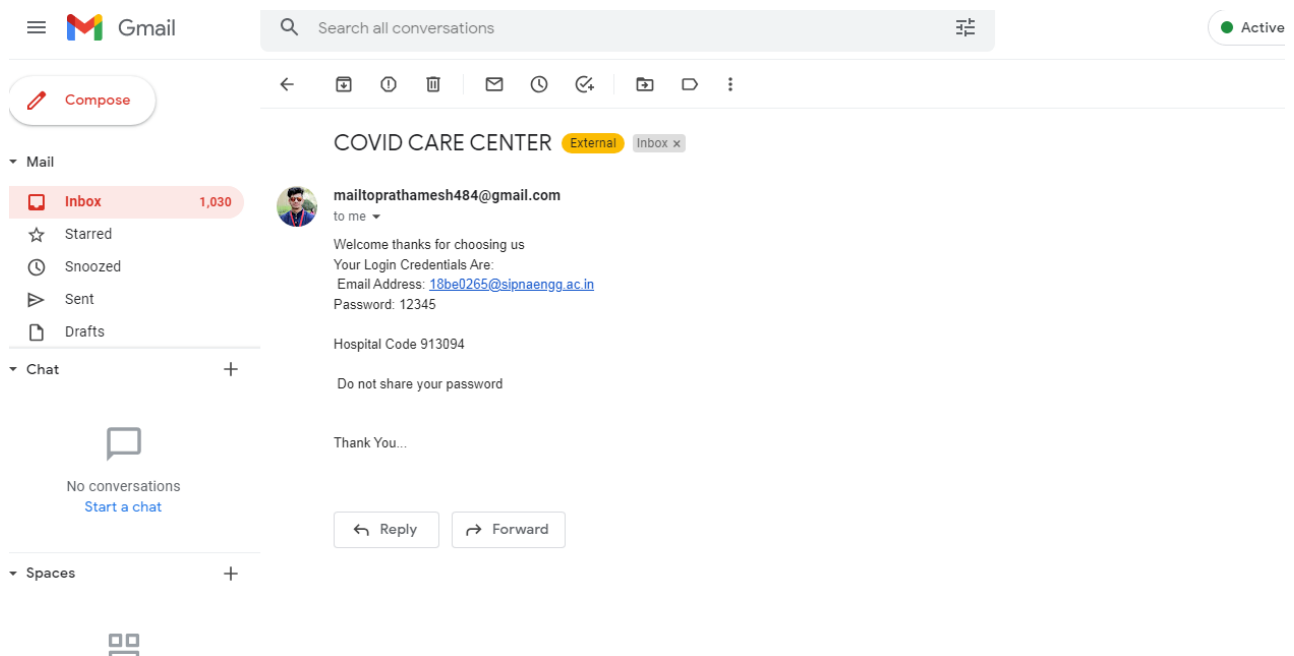
Enter Hospital Code

Enter Email

Enter Password

Add

## Hospital User generated mail:-



### H-User Login:-

HOME

PATIENTS DETAILS

AVAILABLE BEDS

SIGN IN

CONTACT

Bed Booking Slot Book Now

## Hospital Login

Login

### Adding Hospital :-

The screenshot displays a web application titled "Add Hospital Data". At the top, there is a navigation bar with links for HOME, PATIENTS DETAILS, AVAILABLE BEDS, WELCOME 18BE0265@SIPNAENG.AC.IN, and CONTACT. A blue button labeled "Bed Booking Slot Book Now" is positioned on the right side of the navigation bar. The main heading "Add Hospital Data" is centered in a large, light blue font. Below the heading, the interface is divided into two main sections. On the left, under the heading "Covid Care Center", there is a form with five input fields: "Enter the Hospital Code", "Enter Hospital Name", "Normal Bed Available?", "H.I.C.U Bed Available?", and "I.C.U Bed Available?". Below these fields is a blue button labeled "Add". On the right, under the heading "Hospital Data", there is a table displaying the following information: Hospital Code : 913094, Hospital Name : Rathod, Normal Beds Available : 13969, H.I.C.U Beds Available : 44, I.C.U Beds Available : 78, and Ventilators Beds Available : 100. At the bottom of the table, there are two icons: a green checkmark and a trash can.

Update Slot:-

## Update Hospital Data

**Covid Care Center**

Show Data:

[HOME](#)[PATIENTS DETAILS](#)[AVAILABLE BEDS](#)[WELCOME 18BE0265@SIPNAENGG.AC.IN](#)[CONTACT](#)[Bed Booking Slot Book Now](#)

## Book Bed Slot

**Covid Care Center**

| Available Beds |                |            |          |           |                |
|----------------|----------------|------------|----------|-----------|----------------|
| Hospital Code  | Hospital Name  | Normal Bed | HICU Bed | I.C.U Bed | Ventilator Bed |
| MAT123         | Matha Hospital | 40         | 4        | 3         | 1              |
| 913094         | Rathod         | 13969      | 44       | 78        | 100            |



# Database Localhost:-

The screenshot shows the phpMyAdmin interface with the 'hospitaldata' table selected. The table has 2 rows. The SQL console shows a query to delete from 'hospitaluser' where 'id' = 14, followed by a query to select from 'hospitaluser'.

| id | hcode  | hname          | normalbed | hicubed | icubed | vbed |
|----|--------|----------------|-----------|---------|--------|------|
| 3  | MAT123 | Matha Hospital | 40        | 4       | 3      | 1    |
| 4  | 913094 | Rathod         | 13969     | 44      | 78     | 100  |

The screenshot shows the phpMyAdmin interface with the 'hospitaluser' table selected. The table has 2 rows. The SQL console shows a query to delete from 'hospitaluser' where 'id' = 14, followed by a query to select from 'hospitaluser', and then a query to delete from 'hospitaluser' where 'id' = 15.

| id | hcode  | email                         | password  |
|----|--------|-------------------------------|---|
| 10 | 913094 | mailtoprathamesh484@gmail.com | pbkdf2.sha256.260000\$zQh6QnA9AwCoeTfz\$86091e7e555...  |
| 20 | 913094 | 18be0265@siapnaengg.ac.in     | pbkdf2.sha256.260000\$K2IEUJW1dNnnVLuv\$333e8722d4aa... |

phpMyAdmin

Recent Favorites

- New
- covid
- coviddbms
  - New
  - bookingpatient
  - hospitaldata
  - hospitaluser
  - test
  - trig
  - user
- information\_schema
- mysql
- performance\_schema
- phpmyadmin
- se
- test

Server: 127.0.0.1 Database: coviddbms Table: bookingpatient

Showing rows 0 - 1 (2 total, Query took 0.0000 seconds)

```
SELECT * FROM `bookingpatient`
```

Options

|                          |        | id                       | srfid                    | bedtype                  | hcode                    | spo2                     | pname                    | pphone                   | address                  |
|--------------------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | Edit   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                          | Delete | 5                        | 12345                    | ICUBed                   | MAT123                   | 71                       | prachi gulhane           | 9370329275               | amravati                 |
|                          | Delete | 6                        |                          | NormalBed                | 913094                   | 14                       | yogesh                   | 961611616                | amravati                 |

Query results operations

Bookmark this SQL query

Console

```
Press Ctrl+Enter to execute query
>SELECT * FROM `user`
>SELECT * FROM `bookingpatient`
```

phpMyAdmin

Recent Favorites

- New
- covid
- coviddbms
  - New
  - bookingpatient
  - hospitaldata
  - hospitaluser
  - test
  - trig
  - user
- information\_schema
- mysql
- performance\_schema
- phpmyadmin
- se
- test

Server: 127.0.0.1 Database: coviddbms Table: user

Showing rows 0 - 0 (1 total, Query took 0.0000 seconds)

```
SELECT * FROM `user`
```

Options

|                          |        | id                       | srfid                    | email                         | dob  |
|--------------------------|--------|--------------------------|--------------------------|-------------------------------|--|
| <input type="checkbox"/> | Edit   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>      | <input type="checkbox"/>                                 |
|                          | Delete | 12                       | 12345                    | mailtoprathamesh484@gmail.com | pbkdf2:sha256:260000\$Xqo3AELs8yX2DquO\$cl1daa4014b85... |

Query results operations

Bookmark this SQL query

Console

```
Press Ctrl+Enter to execute query
>SELECT * FROM `user`
```

phpMyAdmin

Recent Favorites

- New
- covid
- coviddbms
  - bookingpatient
  - hospitaldata
  - hospitaluser
  - test
  - trig
  - user
- information\_schema
- mysql
- performance\_schema
- phpmyadmin
- se
- test

Server: 127.0.0.1 Database: coviddbms Table: trig

Showing rows 0 - 6 (7 total, Query took 0.0000 seconds)

```
SELECT * FROM `trig`
```

Options

|                          |        | id                       | hcode                    | normalbed                | hicubed                  | icubed                   | vbed                     | queries                  | date                     |
|--------------------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | Edit   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                          | Delete | 1                        | BBH01                    | 50                       | 9                        | 2                        | 1                        | UPDATED                  | 2021-11-26               |
|                          | Delete | 2                        | BBH01                    | 50                       | 9                        | 2                        | 1                        | DELETED                  | 2021-11-26               |
|                          | Delete | 3                        | MAT123                   | 40                       | 4                        | 3                        | 1                        | UPDATED                  | 2021-12-22               |
|                          | Delete | 4                        | 913094                   | 140                      | 44                       | 78                       | 100                      | INSERTED                 | 2021-12-22               |
|                          | Delete | 5                        | 913094                   | 139                      | 44                       | 78                       | 100                      | UPDATED                  | 2021-12-22               |
|                          | Delete | 6                        | 913094                   | 138                      | 44                       | 78                       | 100                      | UPDATED                  | 2021-12-22               |
|                          | Delete | 7                        | 913094                   | 13969                    | 44                       | 78                       | 100                      | UPDATED                  | 2021-12-23               |

Query results operations

Console

# **CONCLUSION**

**Covid Bed Slot Booking** successfully implemented based on online data filling which helps us in hospital for managing the beds for patients. The project successfully used various functionalities of Xampp and python flask and also create the fully functional database management system for online portals.

Using MySQL as the database is highly beneficial as it is free to download, popular and can be easily customized. The data stored in the MySQL database can easily be retrieved and manipulated according to the requirements with basic knowledge of SQL.

With the theoretical inclination of our syllabus it becomes very essential to take the utmost advantage of any opportunity of gaining practical experience that comes along. The building blocks of this Major Project “**Covid Bed Slot Booking**” was one of these opportunities. It gave us the requisite practical knowledge to supplement the already taught theoretical concepts thus making us more competent as a computer engineer. The project from a personal point of view also helped us in understanding the following aspects of project development:

- The planning that goes into implementing a project.
- The importance of proper planning and an organized methodology.
- The key element of team spirit and co-ordination in a successful project.