**Backend code :-**

from flask import Flask, render\_template, request, redirect, session, url\_for

import mysql.connector

import subprocess

import os

app = Flask(\_\_name\_\_)

app.secret\_key = '1234567890'

# Database configuration

db\_config = {

    'host': 'localhost',

    'user': 'root',

    'password': '',

    'database': 'eyeball\_db'

}

# Database connection function

def get\_db\_connection():

    return mysql.connector.connect(\*\*db\_config)

# Home route

@app.route('/')

def home():

    return render\_template('index.html')  # This is the homepage route

@app.route('/register', methods=['GET', 'POST'])

def register():

    if request.method == 'POST':

        # Get form data

        name = request.form['name']

        email = request.form['email']

        password = request.form['password']

        # Connect to the database and create a cursor

        db = get\_db\_connection()

        cursor = db.cursor()

        # Insert data into the database

        cursor.execute("INSERT INTO users (name, email, password) VALUES (%s, %s, %s)", (name, email, password))

        db.commit()

        cursor.close()

        db.close()

        return redirect(url\_for('login'))

    return render\_template('register.html')

# Login route

@app.route('/login', methods=['GET', 'POST'])

def login():

    error\_message = None

    if request.method == 'POST':

        email = request.form['email']

        password = request.form['password']

        conn = get\_db\_connection()

        cursor = conn.cursor(dictionary=True)

        cursor.execute("SELECT \* FROM users WHERE email = %s AND password = %s", (email, password))

        user = cursor.fetchone()

        cursor.close()

        conn.close()

        if user:

            session['logged\_in'] = True

            session['email'] = email

            return redirect('/control')

        else:

            error\_message = "Invalid credentials, please try again!"

    return render\_template('login.html', error\_message=error\_message)

# Contact route

@app.route('/contact', methods=['GET', 'POST'])

def contact():

    if request.method == 'POST':

        name = request.form['name']

        mobile = request.form['mobile']

        email = request.form['email']

        message = request.form['message']

        conn = get\_db\_connection()

        cursor = conn.cursor()

        cursor.execute("INSERT INTO contacts (name, mobile, email, message) VALUES (%s, %s, %s, %s)",

                       (name, mobile, email, message))

        conn.commit()

        cursor.close()

        conn.close()

        return "Message sent successfully!"

    return render\_template('contact.html')

# Control route

@app.route('/control')

def control():

    if 'logged\_in' in session:

        return render\_template('control.html')

    return redirect('/login')

# Trigger training route

@app.route('/train', methods=['POST'])

def train():

    if 'logged\_in' in session:

        try:

            subprocess.Popen(['python', 'train.py'], stdout=subprocess.PIPE, stderr=subprocess.PIPE)

            return "Training started successfully!"

        except Exception as e:

            return f"Error starting the training: {str(e)}"

    return redirect('/login')

# Logout route

@app.route('/logout')

def logout():

    session.pop('logged\_in', None)

    session.pop('email', None)

    return redirect('/')

if \_\_name\_\_ == '\_\_main\_\_':

    app.run(debug=True)