Report Page

Code:-

App.py

@app.route('/view\_report',methods=['POST'])

def view\_report():

    return render\_template("excel.html")

# view route to download excel files

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

def view():

    test\_append = str(request.form['folder\_name'])

    session['test\_append']=test\_append

    teacher\_name = str(session.get('user'))

    excel\_dir = APP\_ROOT+"\\excel\\"+test\_append+"\\"+teacher\_name+"\\"

    excel\_date = request.form['fname']

    time = request.form['ftime']

    time = time[:2]

    print(time)

    final\_excel=glob(excel\_dir + "\\" + excel\_date+ "@" + time +"\*.xlsx")[0]

    print(final\_excel)

    df = pd.read\_excel(final\_excel)

    df.index += 1

    return render\_template("files.html",msg=final\_excel,df=df,date=excel\_date+"@"+time+"hrs")

@app.route('/excel/<path:filename>', methods=['POST'])

def download(filename):

    return send\_from\_directory(directory='excel', filename=filename)

# route to send emails to parents and students

@app.route('/send\_mail',methods=['POST'])

def send\_mail():

    test\_append = str(request.form['folder\_name'])

    teacher\_name = str(session.get('user'))

    excel\_dir = APP\_ROOT+"\\excel\\"+test\_append+"\\"+teacher\_name+"\\"

    excel\_date = request.form['fname']

    time = request.form['ftime']

    time = time[:2]

    final\_send = glob(excel\_dir + "\\" + excel\_date+ "@" + time +"\*.xlsx")[0]

    print(final\_send)

    df = pd.read\_excel(final\_send)

    roll\_id = list(df['Roll Id'])

    print(type(roll\_id))

    print(roll\_id)

    cursor = conn.cursor()

    for i in range(len(roll\_id)):

        cursor.execute("SELECT student\_email,parent\_email from student\_login where binary roll\_id=%s",[roll\_id[i]])

        email = list(cursor.fetchone())

        print(type(email[1]))

        print(email[0])

        print(email[1])

        msg = Message('Auto Generated',recipients= [email[0],email[1]])

        msg.body = "Hi.. " + roll\_id[i] + " is present for the lecture of " + "Prof. " +str(teacher\_name.split('.',1)[0]) + ", which is held on " + excel\_date + "@" + time + "hrs"

        msg.html = "Hi.. " + roll\_id[i] + " is present for the lecture of " + "Prof. " +str(teacher\_name .split('.',1)[0])+ ", which is held on " + excel\_date + "@" + time + "hrs"

        mail.send(msg)

    return "<h1>mail sent<h1>"

#.........update attendance .......#

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

def update():

    test\_append = str(request.form['excel\_folder'])

    print(test\_append)

    teacher\_name = str(session.get('user'))

    print(teacher\_name)

    excel\_dir = APP\_ROOT + "\\excel\\" + test\_append + "\\" + teacher\_name + "\\"

    print(excel\_dir)

    for file in request.files.getlist("updated\_excel"):

        print(file)

        filename = file.filename

        print(filename)

        destination = "\\".join([excel\_dir,filename])

        print(destination)

        file.save(destination)

    return render\_template("excel.html",msg="updated successfully")

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

def calculate():

    test\_append = str(request.form['final\_class'])

    print(test\_append)

    teacher\_name = str(session.get('user'))

    print(teacher\_name)

    excel\_root = APP\_ROOT + "\\excel\\" + test\_append + "\\" + teacher\_name + "\\"

    print(excel\_root)

    excel\_names = os.listdir(excel\_root)

    print(excel\_names)

    for i in range(len(excel\_names)):

        if excel\_names[i].startswith("."):

            os.remove(excel\_root+excel\_names[i])

        else:

            if os.path.isdir(excel\_root+excel\_names[i]):

                shutil.rmtree(excel\_root+excel\_names[i], ignore\_errors=False, onerror=None)

    excel\_names = os.listdir(excel\_root)

    if(excel\_names==[]):

        return render\_template("excel.html",msg1="No excel files found")

    for i in range(len(excel\_names)):

        excel\_names[i] = excel\_root + excel\_names[i]

    print(type(excel\_names))

    # read them in

    excels = [pd.ExcelFile(name) for name in excel\_names]

    # turn them into dataframes

    frames = [x.parse(x.sheet\_names[0], header=None,index\_col=None) for x in excels]

    # delete the first row for all frames except the first

    # i.e. remove the header row -- assumes it's the first

    frames[1:] = [df[1:] for df in frames[1:]]

    # concatenate them..

    combined = pd.concat(frames)

    if not os.path.isdir(excel\_root+"final\\"):

        os.mkdir(excel\_root + "final\\")

    final = excel\_root + "final\\"

    print(final)

    # write it out

    combined.to\_excel(final+"final.xlsx", header=False, index=False)

    # below code is to find actual repetative blocks

    workbook = pd.ExcelFile(final+"final.xlsx")

    df = workbook.parse('Sheet1')

    sample\_data = df['Roll Id'].tolist()

    print (sample\_data)

    #a dict that will store the poll results

    results = {}

    for response in sample\_data:

        results[response] = results.setdefault(response, 0) + 1

    finaldf = (pd.DataFrame(list(results.items()), columns=['Roll Id', 'Total presenty']))

    finaldf = finaldf.sort\_values("Roll Id")

    print (finaldf)

    writer = pd.ExcelWriter(final+"final.xlsx")

    finaldf.to\_excel(writer,'Sheet1',index=False)

    workbook  = writer.book

    worksheet = writer.sheets['Sheet1']

    worksheet.set\_column(0,1,20)

    writer.save()

    final = final + "final.xlsx"

    session['final']=final

    final = final[91:]

    return viewfinal(final)

def viewfinal(final):

    test\_append = str(session.get('test\_append'))

    final\_path = str(session.get('final'))

    df = pd.read\_excel(final\_path)

    df.index += 1

    return render\_template("files.html",msg=final,course=test\_append,df=df)

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

def changetask():

    return render\_template("task.html")

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

def logout():

    return render\_template("index.html",title="Faculty Login",msg1="Logged out please login again")

Upload.html

Code:-

<!DOCTYPE html>

<html>

<head>

    <title>Report</title>

    <link rel="stylesheet" type="text/css" href="{{url\_for('static',filename='css/login.css')}}">

    <link rel="stylesheet" href="{{url\_for('static',filename='css/bootstrap/bootstrap.min.css')}}" >

    <script src="js/bootstrap.min.js"></script>

    <script src="js/jquery.min.js"></script>

  <script type="text/javascript" src="/eel.js"></script>

</head>

<style type="text/css">

    .wrap{

        width: 410px;

        overflow: hidden;

        margin: auto;

        margin-top: 120px;

        padding: 20px;

        background: #fff;

        border:1px solid silver;

        border-radius: 5px;

    }

    .wrap input[type="text"]{

        width:400px;

        height: 35px;

        margin-bottom: 10px;

        border-radius: 8px;

        border: 1px solid silver;

        padding: 5px;

    }

    .wrap .btn-login{

        margin-top: 5px;

        padding: 5px;

        width: 412px;

        height:40px;

        background-color: #55add6;

        color: #fff;

        border:0;

        border-radius: 8px;

        font-size: 18px;

    }

    input[type=date]{

        margin-top:10px;

        padding: 30px;

        width: 285px;

        height: 20px;

        border: 1px solid silver;

        border-radius: 8px;

        float: left;

        margin-left: 50px;

    }

    input[type=time]{

        margin-top:10px;

        padding: 30px;

        width: 280px;

        height: 20px;

        border: 1px solid silver;

        border-radius: 8px;

        float: right;

        margin-right: 60px;

    }

    input[type=file] {

        margin-top:10px;

        padding: 20px;

        width: 400px;

        height:80px;

        border: 1px solid silver;

        border-radius: 8px;

    }

    .btnfinal{

        padding: 5px;

        width: 200px;

        height:40px;

        background-color: #55add6;

        color: #fff;

        border:0;

        border-radius: 7px;

        font-size: 18px;

        float: left;

    }

</style>

<body>

  <nav class="navbar fixed-top navbar-expand-lg navbar-light white">

    <div class="container-fluid text-center">

      <h2 style="width: 100%;">AI Face Recognition Attendance System</h2>

    </div>

  </nav>

<div class="wrapper fadeInDown">

  <div id="formContent">

    <!-- Icon -->

    <div class="fadeIn first">

      <img src="{{url\_for('static',filename='image/login.svg')}}" id="icon" alt="User Icon" height="100px" width="100px" />

    </div>

    <form method="post">

        <h3>Today's Result<h3>

        <input type="date" name="fname" required="required">

        <input type="time" style="width: 200px;float: right;" name="ftime" value="09:00" required="required">

        <br><br><br>

        <input type="text" name="folder\_name" placeholder="Enter class here" required="required">

        <br>

        <input type="submit" class="btn-login" formaction="/view" value="View Excel" formtarget="\_blank">

        <input type="submit" class="btn-login" formaction="/send\_mail" name="email" value="Send Mail" formtarget="\_blank">

        </form>

        <br><br>

        <h3>Update Attendance<h3>

        <form action="/update" method="post" enctype="multipart/form-data">

            <input type="file" name="updated\_excel" accept="application/vnd.openxmlformats-officedocument.spreadsheetml.sheet" required="required">

            <br><br>

            <input type="text" name="excel\_folder" placeholder="Enter class here" required="required">

            <input type="submit" class="btn-login" value="Update excel">

        </form>

        <p style="font-weight: normal;font-size: 10px;">{{msg}}</p>

        <form action="/calculate" method="post" target="\_blank">

            <h3>Check overall result</h3>

            <input type="text" name="final\_class" placeholder="Enter class here" required="required">

            <input type="submit" class="btn-login" value="Calculate">

        </form>

        <p style="font-weight: normal;font-size: 10px">{{msg1}}</p>

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

            <input type="submit" class="btnfinal" name="chtask" value="Back">

        </form>

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

            <input style="width: 200px;float: right;" type="submit" class="btnfinal" name="logout" value="Logout">

        </form>

  </div>

</div>

<!--<script type="text/javascript" src="{{url\_for('static',filename='js/login.js')}}"></script>-->

</body>

</html>

Output:-





