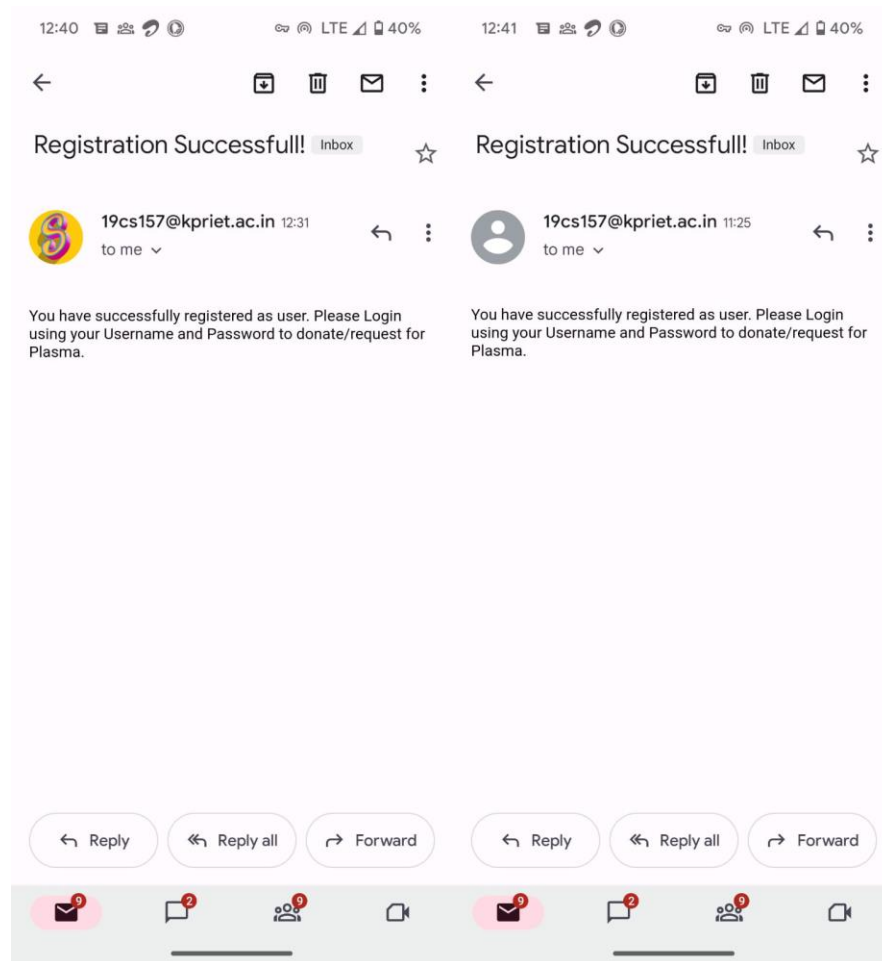


PROJECT DEVELOPMENT PHASE

SPRINT – 3

Date	11th November 2022
Team Id	PNT2022TMID14117
Project Name	Plasma Donor Application

Integration with SendGrid



View Request















Plasma Donor Application


Home Register Login

Note: Please note the donor email from the table you want to request.

Email	Age	Gender	Blood Group	Area	City	District	Make a Request
19csi57@kpriet.ac.in	25	Male	O+	12345	1234	123	Request
sriram.paramasivam@kprinfo.com	25	Male	A+	coimbatore	coimbatore	coimbatore	Request

Console





Coding

donor.html - Sprint-3 - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help

EXPLORER
SPRINT-3
  static
    # home.css
    # style.css
  templates
    admin_login.html
    base.html
    donor.html
    forgetpassword.html
    home.html
    login.html
    Register.html
    request.html
    signin.html
    success.html
    user_profile.html
  app.py
  DigiCertGlobalRootCA.crt
  Sprint-3.pdf

templates > donor.html X
27 <th scope="col">City</th>
28 <th scope="col">District</th>
29 <th scope="col">Make a Request</th>
30 </tr>
31 </thead>
32 <tbody>
33 <tr>
34 <td>{{ row["EMAIL"] }}</td>
35 <td>{{ row["AREA"] }}</td>
36 <td>{{ row["GENDER"] }}</td>
37 <td>{{ row["BLOOD"] }}</td>
38 <td>{{ row["AREA"] }}</td>
39 <td>{{ row["CITY"] }}</td>
40 <td>{{ row["DISTRICT"] }}</td>
41 <td>{{ row["DISTRICT"] }}</td>
42 <td>
43 <a href="{{ url_for('request_page') }}" class="btn-sm btn-info" style="color: white; text-
44 </td>
45 </tr>
46 <td>{{ row["DISTRICT"] }}</td>
47 </tbody>
48 </table>
49 </div>
50 </div>
51 </div>
52 </div>
53 </div>
54 </div>
55 </div>
```

Register.html - Sprint-3 - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help

EXPLORER
SPRINT-3
  static
    # home.css
    # style.css
  templates
    admin_login.html
    base.html
    donor.html
    forgetpassword.html
    home.html
    login.html
    Register.html
    request.html
    signin.html
    success.html
    user_profile.html
  app.py
  DigiCertGlobalRootCA.crt
  Sprint-3.pdf

templates > Register.html X
26 <label for="mobile">Mobile Number</label>
27 <input type="tel" class="form-control" name="mobile" id="mobile" required
28 placeholder="Enter your Mobile No.">
29 </div>
30 </div>
31 <div class="col-sm-6">
32 <div class="form-group">
33 <label for="email">Email</label>
34 <input type="email" class="form-control" name="email" id="email" required
35 placeholder="Enter your Email">
36 </div>
37 </div>
38 </div>
39 </div>
40 </div>
41 </div>
42 </div>
43 <div class="form-row">
44 <div class="col-sm-4">
45 <div class="form-group mr-4">
46 <label for="age">Age</label>
47 <input type="number" class="form-control" name="age" id="age" required
48 placeholder="Enter your Age">
49 </div>
50 </div>
51 </div>
52 </div>
53 </div>
54 </div>
55 <div class="col-sm-4">
56 <div class="form-group mr-4">
57 <label for="gender">Gender</label>
58 <input type="text" class="form-control" name="gender" id="gender" required
59 placeholder="Enter your Gender">
60 </div>
61 </div>
62 </div>
63 </div>
64 </div>
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68 </div>
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```

request.html - Sprint-3 - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help

EXPLORER
SPRINT-3
  static
    # home.css
    # style.css
  templates
    admin_login.html
    base.html
    donor.html
    forgetpassword.html
    home.html
    login.html
    Register.html
    request.html
    signin.html
    success.html
    user_profile.html
  app.py
  DigiCertGlobalRootCA.crt
  Sprint-3.pdf

templates > request.html X
21 <form action="/request_page" method="post">
22 <div class="form-row">
23 <div class="col-sm-6">
24 <div class="form-group mr-4">
25 <label for="drmail">Enter Donor Mail</label>
26 <input type="email" class="form-control" name="drmail" id="drmail"
27 placeholder="Enter Donor mail from the table">
28 </div>
29 </div>
30 </div>
31 </div>
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99 </div>
100 </div>
```

app.py - Sprint-3 - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

SPRINT-3

- static
 - home.css
 - style.css
- templates
- app.py
- DigiCertGlobalRootCA.crt
- Sprint-3.pdf

```
1 # register user successfully
2 content = Content('text/plain', "You have successfully registered as user. Please Login using
98 mail = Mail(from_email, to_email, subject, content)
99 mail = Mail(from_email, to_email, subject, content)
100 response = sg.client.mail.send.post(request_body=mail.get())
101 print(response.status_code)
102 print(response.body)
103 print(response.headers)
104
105 #for donor
106 def mailtest_donor(to_email):
107     sg = sendgrid.SendGridAPIClient(api_key= 'api key' )
108     from_email = Email("19csl578xpriet.ac.in")
109     subject = "Thankyou for Registering as Donor!"
110     content = Content('text/plain', "Every donor is an asset to the nation who saves people's lives
111 mail = Mail(from_email, to_email, subject, content)
112 response = sg.client.mail.send.post(request_body=mail.get())
113 print(response.status_code)
114 print(response.body)
115 print(response.headers)
116
117 #for request sending to donor
118
119 def mailtest_requesttodonor(to_email):
120     sg = sendgrid.SendGridAPIClient(api_key= 'api key' )
121     from_email = Email("19csl578xpriet.ac.in")
122     subject = "Request submitted!"
123     content = Content('text/plain', "Your request has been successfully submitted. Please be patie
124 mail = Mail(from_email, to_email, subject, content)
125 response = sg.client.mail.send.post(request_body=mail.get())
126 print(response.status_code)
127 print(response.body)
128 print(response.headers)
```

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app.py - Sprint-3 - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

SPRINT-3

- static
 - home.css
 - style.css
- templates
- app.py
- DigiCertGlobalRootCA.crt
- Sprint-3.pdf

```
1 from flask import Flask, render_template, request, url_for, flash, redirect, session
2 import itm_db
3 import sendgrid
4 import os
5 import re
6 from sendgrid.helpers.mail import *
7
8
9 app = Flask(__name__)
10 app.secret_key="skretkey"
11
12 conn = itm_db.connect('DATABASE=bludb;HOSTNAME=9939aec0-8105-433e-8bf9-0fbb7e483086.clogj3ad0tgu0
13
14 @app.route("/")
15 def index():
16     return render_template('home.html')
17
18 @app.route("/home")
19 def home_page():
20     return render_template('home.html')
21
22
23 @app.route("/login", methods = ['POST', 'GET'])
24 def login():
25     global userid
26     msg = ''
27     if request.method == 'POST':
28         username = request.form['username']
29         password = request.form['password']
30         sql = "SELECT * FROM LOGIN WHERE username = '%s' and password = '%s'" % (username, password)
31         cursor.execute(sql)
32         results = cursor.fetchall()
33         for row in results:
34             username, password, userid = row
35             if password == password:
36                 session['userid'] = userid
37                 session['username'] = username
38                 return redirect(url_for('home_page'))
39             else:
40                 msg = "Invalid username or password"
41         flash(msg)
42         return redirect(url_for('login'))
43     else:
44         return redirect(url_for('login'))
```

Document Viewer

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