Project Development Phase Sprint-2 Source code

| Team ID | PNT2022TMID20970 |
|--------------|--|
| Project Name | VirtualEye-Life Guard for swimming pools to detect active drowning |
| Maximum Mark | 8 |

Base.html

```
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial- scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>High Quality Facial Recognition</title>
k href="https://cdn.bootcss.com/bootstrap/4.0.0/css/bootstrap.min. css" rel="stylesheet">
<script src="https://cdn.bootcss.com/popper.js/1.12.9/umd/popper.min.j s"></script>
<script src="https://cdn.bootcss.com/jquery/3.3.1/jquery.min.js"></script</pre>
<script src="https://cdn.bootcss.com/bootstrap/4.0.0/js/bootstrap.min.js "></script>
<link href="{{ url_for('static', filename='css/main.css') }}" rel="stylesheet">
<style>
.bg-dark {
background-color: #42678c!important;
}
#result {
color: #0a1c4ed1;
</style>
</head>
<body style="background-color:black";>
<header id="head" class="header">
<section id="navbar">
<h1 class="nav-heading"></i>Virtual Eye</h1>
```

```
ul>
<a href="{{ url_for('index')}}">Home</a>
href="{{ url_for('logout')}}">Logout</a>
<!-- <li><a href="#about">About</a>
<a href="#services">Services</a> -->
</div>
</section>
</header>
<div class="container">
<div id="content" style="margin-top:2em">
<div class="container">
<div class="row">
<div class="col-sm-6 bd" >
<h2><em style="color:white;">High Quality Facial Recognition</em></h2>
<h5><i style="color:white;">Emotion Detection Through Facial Feature Recognition</i></h5>
<img src="https://130e178e8f8ba617604b-</pre>
    8aedd782b7d22cfe0d1146da69a52436.ssl.cf1.rackcdn.com/facial-
    recognition-use-triggers-gdpr-fine-showcase image-10-a- 12991.jpg"
    style="height:240px"class="img-rounded" alt="Gesture">
</div>
<div class="col-sm-6">
<div>
<h4 style="color:white;">Upload
Image Here</h4>
<form action = "http://localhost:5000/" id="upload-file" method="post" enctype="multipart/form-data">
<label for="imageUpload" class="upload-
label">
Choose Image
</label>
<input type="file" name="image"
id="imageUpload" accept=".png, .jpg, .jpeg,.pdf">
</form>
<div class="image-section" style="display:none;">
```

<div class="nav--items">

```
<div class="img-preview">
<div id="imagePreview">
</div>
</div>
<div>
<button type="button" class="btn btn- info btn-lg " id="btn-predict">Analyse</button>
</div>
</div>
<div class="loader" style="display:none;"></div>
<h3>
<span id="result"> </span>
</h3>
</div>
</div>
</div>
</body>
</div>
</div>
</div>
<script src="{{ url_for('static', filename='js/main.js') }}" type="text/javascript"></script>
</footer>
</html>
Prediction.html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
```

```
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<!--Bootstrap -->
k rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/boo tstrap.min.css"
    integrity="sha384- Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwiGg
    FAW/dAiS6JXm" crossorigin="anonymous">
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-</pre>
KJ3o2DKtlkvYlK3UENzmM7KCkRr/rE9/Qpq6aAZGJwFDMVNA/GpG FF93hXpG5KkN"
    crossorigin="anonymous"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/ popper.min.js"</pre>
    integrity="sha384- ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPsk
    vXusvfa0b4Q" crossorigin="anonymous"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootst rap.min.js" integrity="sha384-</p>
    JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5
+76PVCmYI" crossorigin="anonymous"></script>
<script src="https://kit.fontawesome.com/8b9cdc2059.js" crossorigin="anonymous"></script>
k href="https://fonts.googleapis.com/css2?family=Akronim&family= Roboto&display=swap"
    rel="stylesheet">
<link rel="stylesheet" href="../static/style.css">
<script defer src="../static/js/JScript.js"></script>
<title>Prediction</title>
</head>
<body>
<header id="head" class="header">
<section id="navbar">
<h1 class="nav-heading"></i>Virtual Eye</h1>
<div class="nav--items">
<a href="{{ url_for('index')}}">Home</a>
<a
href="{{ url_for('logout')}}">Logout</a>
<!-- <li><a href="#about">About</a>
<a href="#services">Services</a> -->
</div>
</section>
</header>
```

```
<!-- dataset/Training/metal/metal326.jpg -->
</br>
</section id="prediction">
<h2 class="title text-muted">Virtual Eye- Life Guard for Swimming Pools to Detect Active Drowning</h1>
<div class="line" style="width: 900px;"></div>
</section>
</br>
</section id="about">

</rl>

<a href="display: 10px;"></a>

<a href="display: 10px;"><a href="display: 10px;
```

Swimming is one of the best exercises that helps people to reduce stress in this urban lifestyle.

Swimming pools are found larger in number in the hotels, weekend tourist spots and barely people have in their house backyard. Beginners, especially often feel it difficult to breathe under water and causes breathing trouble which in turn cause a drowning accident. Worldwide, drowning produces a higher rate of mortality without causing injury to children. Children under six of their age are found to be suffering the highest drowning mortality rates worldwide..Such kinds of deaths account for the third cause of unplanned death globally, with about 1.2 million cases yearly.

```
</div>
<div class="left">
<div class="prediction-input">
<img class="d-block w-100" src="../static/img/second.jpg" alt="Second slide">
</br>
<form id="form" action="/result" method="post" enctype="multipart/form-data">
<input type="submit" class="submitbtn" value="Click Me! For a Demo">
</form>
</div>
<h5 style="text-color:Red">
<b style="text-color:Red">{{prediction}}<b>
</h5>
</div>
</div>
</section>
</br>
<section id="footer">
```

```
Copyright © 2021. All Rights Reserved
</section>
</body>
</html>
Logout.html
<!DOCTYPE html>
<html >
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial- scale=1">
<title>Virtual Eye</title>
k href='https://fonts.googleapis.com/css?family=Pacifico' rel='stylesheet' type='text/css'>
k href='https://fonts.googleapis.com/css?family=Arimo' rel='stylesheet' type='text/css'>
<link href='https://fonts.googleapis.com/css?family=Hind:300' rel='stylesheet' type='text/css'>
k href='https://fonts.googleapis.com/css?family=Open+Sans+Conde nsed:300' rel='stylesheet'
    type='text/css'>
k href='https://fonts.googleapis.com/css?family=Merriweather' rel='stylesheet'>
<link href='https://fonts.googleapis.com/css?family=Josefin Sans' rel='stylesheet'>
k href='https://fonts.googleapis.com/css?family=Montserrat' rel='stylesheet'>
<style>
.header {
top:0; margin:0px;
left: 0px; right: 0px;
position: fixed;
background-color: #28272c; color: white;
box-shadow: 0px 8px 4px grey; overflow: hidden;
padding-left:20px;
font-family: 'Josefin Sans'; font-size: 2vw;
width: 100%; height:8%;
text-align: center;
}
```

```
.topnav { overflow: hidden; background-color: #333;
}
.topnav-right a { float: left; color: #f2f2f2;
text-align: center; padding: 14px 16px; text-decoration: none; font-size: 18px;
}
.topnav-right a:hover { background-color: #ddd; color: black;
.topnav-right a.active { background-color: #565961; color: white;
}
.topnav-right { float: right;
padding-right:100px;
}
.login{
margin-top:-70px;
body {
background-color:#ffffff; background-repeat: no-repeat; background-size:cover; background-position:
    Opx Opx;
}
.main{
margin-top:100px; text-align:center;
form { margin-left:400px;margin-right:400px;}
input[type=text], input[type=email],input[type=number],input[type=password] { width: 100%;
padding: 12px 20px; display: inline-block; margin-bottom:18px; border: 1px solid #ccc;
box-sizing: border-box;
}
button {
background-color: #28272c; color: white;
padding: 14px 20px; margin-bottom:8px; border: none; cursor: pointer; width: 20%;
button:hover { opacity: 0.8;
```

```
.cancelbtn { width: auto;
padding: 10px 18px; background-color: #f44336;
}
.imgcontainer { text-align: center;
margin: 24px 0 12px 0;
img.avatar { width: 30%;
border-radius: 50%;
.container { padding: 16px;
span.psw { float: right;
padding-top: 16px;
}
/* Change styles for span and cancel button on extra small screens
*/
@media screen and (max-width: 300px) { span.psw {
display: block; float: none;
}
.cancelbtn { width: 100%;
}
</style>
</head>
<body style="font-family:Montserrat;">
<div class="header">
<div style="width:50%;float:left;font-size:2vw;text- align:left;color:white; padding-top:1%">Virtual
    eye</div>
<div class="topnav-right" style="padding-top:0.5%;">
<a href="{{ url_for('home')}}">Home</a>
<a href="{{ url_for('login')}}">Login</a>
<a href="{{ url_for('register')}}">Register</a>
</div>
```

```
</div>
<div class="main">
<h1>Successfully Logged Out!</h1>
<h3 style="color:#4CAF50">Login for more information<h3>
<a href="{{ url_for('login') }}"><button type="submit">Login</button></a>
</form>
</div>
</body>
</html>
```