<div align="center">

Project Development Phase
Sprint-2 Source code

</div>

Date	11 November 2022
Team ID	PNT2022TMID36530
Project Name	VirtualEye- Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	8 Marks

index.html

```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">
    <title>VirtualEye|Home</title>
    <!-- ==== CSS ==== -->
    <link rel="stylesheet" href="./style.css">
</head>
<body>
    <!-- Navbar-->
    <nav class="navbar">
        <h1 class="logo">VirtualEye</h1>
        <ul class="nav-links">
            <li class="active"><a href="#"></a>Home</li>
            <li><a href="#"></a>Login</li>
            <li><a href="#"></a>Register</li>
            <li><a href="#"></a>Demo</li>
        </ul>
        <img src="./Images/toggle.png" alt="" class="menu-btn">
    </nav>

    <header>
        <div class="header-content">
            <h2>VirtualEye saves lives</h2>
            <div class="line"></div>
```

```html
      <h1>Intelligent detection system for any pool</h1>
      <a href="#" class="ctn">Learn More</a>
    </div>
  </header>

  <!--== About Project == -->
  <section class="events">
    <div class="title">
      <h1>About Project</h1>
      <div class="line"></div>
    </div>
    <div class="row">
      <div class="col">
        <h4>Problem</h4>
        <p>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 hotels, and weekend tourist spots and barely
people have them in their house backyard. Beginners, especially, often feel it difficult to breathe
underwater which causes breathing trouble which in turn causes 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.</p>
        <a href="#" class="ctn">Learn More</a>
      </div>
      <div class="col">
        <h4>Solution</h4>
        <p>To overcome this conflict, a meticulous system is to be implemented along the
swimming pools to save human life.By studying body movement patterns and connecting cameras to
artificial intelligence (AI) systems we can devise an underwater pool safety system that reduces the
risk of drowning.  Usually, such systems can be developed by installing more than 16 cameras
underwater and ceiling and analyzing the video feeds to detect any anomalies. but  AS a POC we
make use of one camera that streams the video underwater and analyses the position of swimmers to
assess the probability of drowning, if it is higher then an alert will be generated to attract lifeguards'
attention</p>
        <a href="#" class="ctn">Learn More</a>
      </div>
    </div>
  </section>

  <section class="explore">
    <div class="explore-content">
```

```html
        <h1>A drowning detection system</h1>
        <div class="line"></div>
        <p>VirtualEye works like an "extra lifeguard" under the water of your pool.Our object
recognition software tracks the movements of all swimmers in a pool.  And in the event of a serious
drowning incident, VirtualEye will provide an alarm to pool lifeguards.  This will help lifeguards
improve their reaction-time, as they initiate a rescue.</p>
        <a href="#" class="ctn">Learn More</a>
        </div>

    </section>

    <section class="footer">
        <p>Thank You</p>
    </section>

    <script>
        const menuBtn = document.querySelector('.menu-btn')
        const navlinks = document.querySelector('.nav-links')

        menuBtn.addEventListener('click',()=>{
            navlinks.classList.toggle('mobile-menu')
        })
    </script>
</body>
</html>
```

style.css
```css
/* Google Fonts */
@import url('https://fonts.googleapis.com/css2?family=Poppins');

/* ==== Global ==== */
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
a{
    text-decoration: none;
}
ul{
    list-style: none;
```

```css
}
.active{
    color: #fc036b;
    text-decoration: underline;
    font-weight: bold;
}
body , html{
    overflow-x: hidden;
}

/* Navbar */
.navbar{
    position: absolute;
    top: 0;
    left: 0;
    display: flex;
    width: 100%;
    justify-content: space-between;
    padding: 20px;
    color: whitesmoke;
}
.nav-links{
    display: flex;
    align-items: center;
}
.nav-links li{
    margin: 0 30px;
}

header{
    width: 100vw;
    height: 100vh;
    background-image: url(./Images/background3.jpg);
    background-position: center;
    background-size: cover;
    display: flex;
    align-items: flex-end;
    justify-content: center;
}
.header-content{
    margin-bottom: 150px;
```

```css
    color: whitesmoke;
    text-align: center;
}
.header-content h2{
    font-size: 4vmin;
}
.line{
    width: 150px;
    height: 4px;
    background: #fc036b;
    margin: 10px auto;
    border-radius: 5px;
}
.header-content h1{
    font-size: 7vmin;
    margin-top: 50px;
    margin-bottom: 30px;
}
.ctn{
    padding: 8px 15px;
    background: #fc036b;
    border-radius: 30px;
    color: whitesmoke;
}
.menu-btn{
    position: absolute;
    top: 30px;
    right: 30px;
    width: 40px;
    cursor: pointer;
    display: none;
}

/*About Project*/
section{
    width: 80%;
    margin: 80px auto;
}
.title{
    text-align: center;
    font-size: 4vmin;
```

```css
    color: #49497e;
}
.row{
    display: flex;
    align-items: center;
    width: 100%;
    justify-content: space-between;
}
.row .col{
    display: flex;
    flex-direction: column;
    align-items: center;
}
.events .row{
    margin-top: 50px;
}
h4{
    font-size: 3vmin;
    color: #484872;
    margin: 20px auto;
}
p{
    color: #7c7c7c;
    padding: 0px 40px;
}
.events .ctn{
    margin-top: 30px;
}

.explore{
    width: 100%;
    height: 100vh;
    background-image: url(./Images/background.jpg);
    background-position: top;
    background-size: cover;
    background-repeat: no-repeat;
    display: flex;
    align-items: center;
}
.explore-content{
    width: 60%;
```

```css
    padding: 50px;
    color: whitesmoke;
    display: flex;
    align-items: center;
    flex-direction: column;
}
.explore-content h1{
    font-size: 7vmin;
}
.explore-content .line{
    margin-bottom: 50px;
}
.explore-content p{
    color: rgb(221, 221, 221);
}
.explore-content .ctn{
    margin-top: 40px;
}
.footer{
    width: 100%;
    min-width: 100px;
    padding: 20px 80px;
    margin: 0;
    background: #66d9ff;
    text-align: center;
}
.footer p{
    color: whitesmoke;
    margin: 20px auto;
}
/* Mobile device */
@media only screen and (max-width:850px){
    .menu-btn{
        display: block;
    }
    .navbar{
        padding: 0;
    }
    .logo{
        position: absolute;
        top: 30px;
```

```css
      left: 30px;
    }
    .nav-links{
      flex-direction: column;
      width: 100%;
      height: 100vh;
      justify-content: center;
      background: #66d9ff;
      margin-top: -900px;
      transition: all 0.5s ease;
    }
    .mobile-menu{
      margin-top: 0px;
      border-bottom-right-radius: 30%;
    }
    .nav-links li{
      margin: 30px auto;
    }
  }
}
```

Login.html
```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">
    <title>Login & Register</title>
    <link rel="stylesheet" href="style.css">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.6.3/css/all.css">
  </head>
  <body>
    <div class="container" id="container">
      <div class="form-container sign-up-container">
        <form action="#">
          <h1>Sign Up</h1>
          <div class="social-container">
            <a href="#" class="social"><i class="fab fa-facebook-f"></i></a>
            <a href="#" class="social"><i class="fab fa-google-plus-g"></i></a>
            <a href="#" class="social"><i class="fab fa-linkedin-in"></i></a>
          </div>
```

```html
        <span>or use your email for registration</span>
        <input type="text" placeholder="Username">
        <input type="email" placeholder="Email">
        <input type="password" placeholder="Password">
        <button>Sign Up</button>
      </form>
    </div>
    <div class="form-container sign-in-container">
      <form action="#">
        <h1>Sign In</h1>
        <div class="social-container">
          <a href="#" class="social"><i class="fab fa-facebook-f"></i></a>
          <a href="#" class="social"><i class="fab fa-google-plus-g"></i></a>
          <a href="#" class="social"><i class="fab fa-linkedin-in"></i></a>
        </div>
        <span>or use your account</span>
        <input type="email" placeholder="Email">
        <input type="password" placeholder="Password">
        <button>Sign In</button>
      </form>
    </div>
    <div class="overlay-container">
      <div class="overlay">
        <div class="overlay-panel overlay-left">
          <h1>Sample Text</h1>
          <p>Sample Text</p>
          <button class="press" id="signIn">Sign In</button>
        </div>
        <div class="overlay-panel overlay-right">
          <h1>Sample Text</h1>
          <p>Sample Text</p>
          <button class="press" id="signUp">Sign Up</button>
        </div>
      </div>
    </div>
  </div>

<script>
    const signUpButton = document.getElementById("signUp");
    const signInButton = document.getElementById("signIn");
    const container = document.getElementById("container");
```

```
        signUpButton.addEventListener('click',()=>{
            container.classList.add("right-panel-active");
        })

        signInButton.addEventListener('click',()=>{
            container.classList.remove("right-panel-active");
        })
    </script>
  </body>
</html>
```

Register.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">
    <title>Login & Register</title>
    <link rel="stylesheet" href="style.css">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.6.3/css/all.css">
  </head>
  <body>
    <div class="container" id="container">
      <div class="form-container sign-up-container">
        <form action="#">
          <h1>Sign Up</h1>
          <div class="social-container">
            <a href="#" class="social"><i class="fab fa-facebook-f"></i></a>
            <a href="#" class="social"><i class="fab fa-google-plus-g"></i></a>
            <a href="#" class="social"><i class="fab fa-linkedin-in"></i></a>
          </div>
          <span>or use your email for registration</span>
          <input type="text" placeholder="Username">
          <input type="email" placeholder="Email">
          <input type="password" placeholder="Password">
          <button>Sign Up</button>
        </form>
      </div>
      <div class="form-container sign-in-container">
```

```html
            <form action="#">
                <h1>Sign In</h1>
                <div class="social-container">
                    <a href="#" class="social"><i class="fab fa-facebook-f"></i></a>
                    <a href="#" class="social"><i class="fab fa-google-plus-g"></i></a>
                    <a href="#" class="social"><i class="fab fa-linkedin-in"></i></a>
                </div>
                <span>or use your account</span>
                <input type="email" placeholder="Email">
                <input type="password" placeholder="Password">
                <button>Sign In</button>
            </form>
        </div>
        <div class="overlay-container">
            <div class="overlay">
                <div class="overlay-panel overlay-left">
                    <h1>Sample Text</h1>
                    <p>Sample Text</p>
                    <button class="press" id="signIn">Sign In</button>
                </div>
                <div class="overlay-panel overlay-right">
                    <h1>Sample Text</h1>
                    <p>Sample Text</p>
                    <button class="press" id="signUp">Sign Up</button>
                </div>
            </div>
        </div>
    </div>
</div>

<script>
    const signUpButton = document.getElementById("signUp");
    const signInButton = document.getElementById("signIn");
    const container = document.getElementById("container");

    signUpButton.addEventListener('click',()=>{
        container.classList.add("right-panel-active");
    })

    signInButton.addEventListener('click',()=>{
        container.classList.remove("right-panel-active");
    })
```

```
        </script>
    </body>
</html>
```

Style.css
```css
@import url('https://fonts.googleapis.com/css?family=Montserrat:400,800');

*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
body{
    background-color: #f6f5f7;
    display: flex;
    justify-content: center;
    align-items: center;
    font-family: 'Montserrat',sans-serif;
    height: 100vh;
    margin: 0 auto;
}
.container{
    background-color: #fff;
    border-radius: 10px;
    width: 768px;
    max-width: 100%;
    min-height: 480px;
    position: relative;
    overflow: hidden;
    box-shadow: 0px 14px 28px rgba(0, 0, 0, 0.25),
            0px 10px 10px rgba(0, 0, 0, 0.22);
}
.form-container{
    position: absolute;
    top: 0;
    height: 100%;
    transition: all 0.6 ease-in-out;
}
.sign-up-container{
    left: 0;
    width: 50%;
```

```css
    z-index: 1;
    opacity: 0;
}
form{
    background-color: #FFFFFF;
    display: flex;
    align-items: center;
    justify-content: center;
    flex-direction: column;
    padding: 0 50px;
    height: 100%;
    text-align: center;
}
h1{
    font-weight: bold;
    margin: 0;
}
.social-container{
    margin: 20px 0;
}
.social-container a{
    border: 1px solid gray;
    border-radius: 50%;
    display: inline-flex;
    justify-content: center;
    align-items: center;
    margin: 0 5px;
    height: 40px;
    width: 40px;
}
a{
    color: #333;
    font-size: 14px;
    text-decoration: none;
    margin: 15px 0;
}
span{
    font-size: 12px;
}
input{
    background-color: #eee;
```

```css
    border: none;
    text-decoration: none;
    margin: 8px 0;
    padding: 12px 15px;
    width: 100%;
}
button{
    border-radius: 20px;
    border: 1px solid #FF4B2B;
    background-color: #FF4B2B;
    color: #FFFFFF;
    font-size: 12px;
    font-weight: bold;
    padding: 12px 45px;
    letter-spacing: 1px;
    text-transform: uppercase;
    transition: transform .8s ease-in;
}
.sign-in-container{
    left: 0;
    width: 50%;
    z-index: 2;
}
.overlay-container{
    position: absolute;
    top: 0;
    left: 50%;
    width: 50%;
    height: 100%;
    overflow: hidden;
    z-index: 100;
    transition: transform 0.6s ease-in-out;
}
.overlay{
    background-color: #FF416C;
    background: linear-gradient(to right,#FF4B2B,#FF416C);
    background-repeat: no-repeat;
    background-size: cover;
    background-position: 0 0;
    color: #FFFFFF;
    position: relative;
```

```css
    left: -100%;
    height: 100%;
    width: 200%;
    transform: translateX(0);
    transition: transform .6s ease-in-out;
}
.overlay-panel{
    position: absolute;
    display: flex;
    align-items: center;
    justify-content: center;
    flex-direction: column;
    padding: 0px 40px;
    text-align: center;
    top: 0;
    height: 100%;
    width: 50%;
    transform: translateX(0);
    transition: transform .6s ease-in-out;
}
.overlay-left{
    transform: translateX(-20%);
}
.overlay-right{
    right: 0;
    transform: translateX(0);
}
button:active{
    transform: scale(.95);
}
button.press{
    background-color: transparent;
    border-color: #FFFFFF;
}
p{
    font-size: 14px;
    font-weight: 100;
    line-height: 20px;
    letter-spacing: .5;
    margin: 20px 0 30px;
}
```

```css
.container.right-panel-active .sign-in-container{
    transform: translateX(100%);
}
.container.right-panel-active .sign-up-container{
    transform: translateX(100%);
    opacity: 1;
    z-index: 5;
    animation: slide 0.6s;
}
@keyframes slide{
    0%,49.99%{
        opacity: 0;
        z-index: 1;
    }
    50%,100%{
        opacity: 1;
        z-index: 5;
    }
}
.container.right-panel-active .overlay-container{
    transform: translateX(-100%);
}
.container.right-panel-active .overlay{
    transform: translateX(50%);
}
.container.right-panel-active .overlay-left{
    transform: translateX(0);
}
.container.right-panel-active .overlay-right{
    transform: translateX(20%);
}
```