

IOT_Phase 4

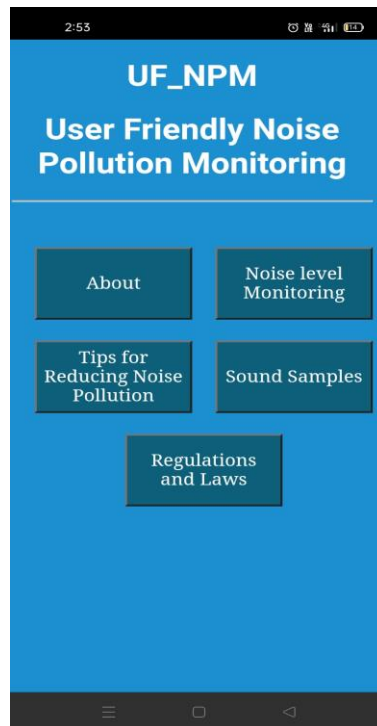
Noise Pollution Monitoring

Mobile app: UF_NPM (User Friendly Noise Pollution Monitoring)

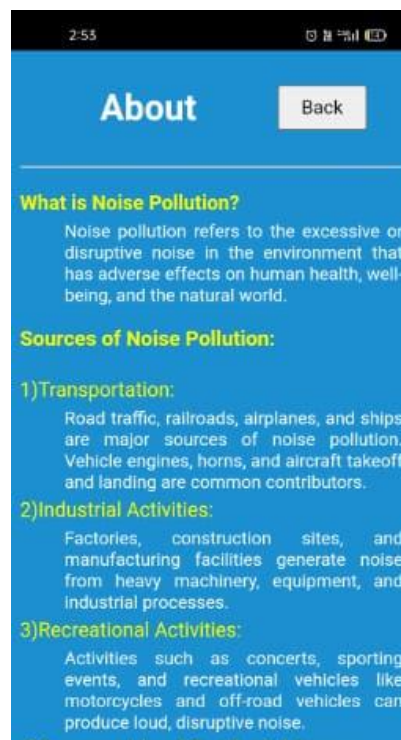
Web development technologies: HTML, CSS, Java script

Development Platform: Visual studio

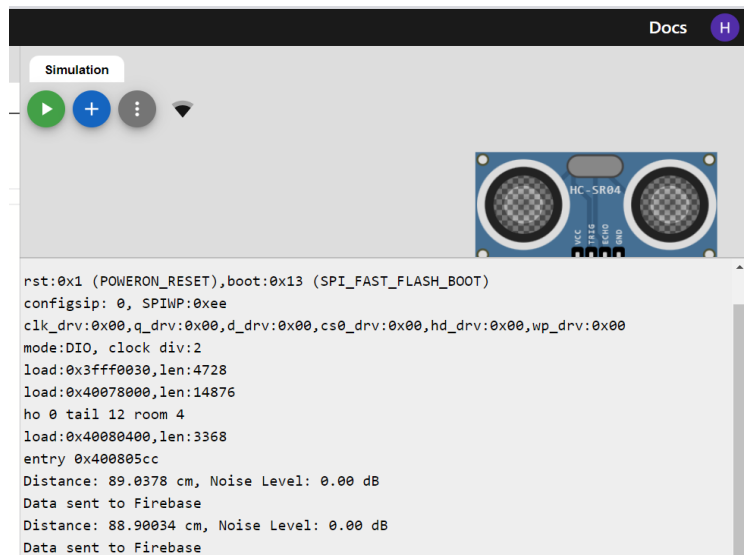
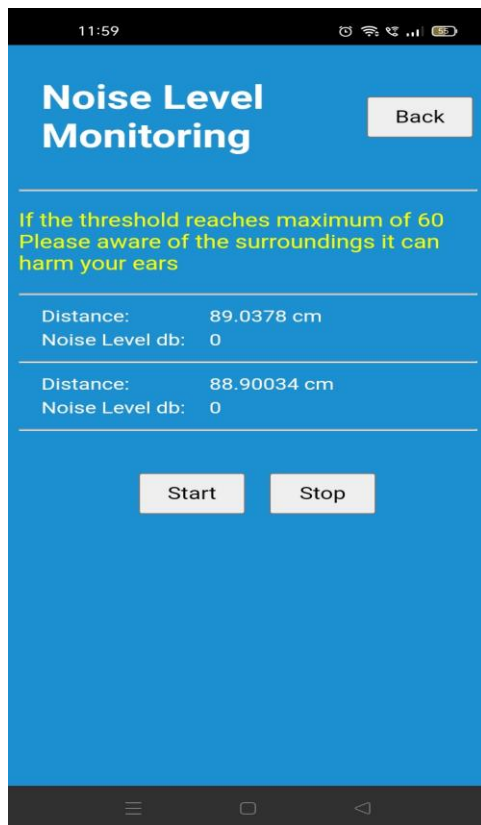
Working img.app:



About icon: Shows users about what is noise pollution, its sources and ways to migrate it.



Noise level monitoring icon: Shows the Noise level around them with the distance.



Wokwi simulator



Firebase Real Time Database

Tips for Reducing Noise Pollution icon: Shows how to reduce noise pollution by eco-friendly.

Sound Sample icon: Shows some sample sounds to users for their easy understanding. (e.g. Noises made during house works and in construction sites)

Regulations and Laws icon: Shows the basis rules about noise pollution that happens in residential areas, entertainment districts, Special events, Commercial and industrial areas.

Coding:

Index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>UF_NPM</title>
    <style>
      button{
        text-align: center;
        width: 130px;
        background-color: rgb(14, 95, 122);
        font-family: 'Times New Roman', Times, serif;
        font-size: large;
        color: white;
        height: 80px;
        width: 150px;
      }
      table,tr,td{
        padding-left: 10px;
        padding-top: 20px;
        padding-right: 10px;
      }
    </style>
    <link rel="stylesheet" href="style.css">
  </head>

  <body>
    <center>
    <header>
    <h1>UF_NPM</h1>
    <h1>User Friendly Noise Pollution Monitoring</h1>
    <hr>
    </header>

    <table>
      <tr>
        <td>
          <button onclick="window.location.href = 'about.html';">About</button>
        </td>
        <td>
          <button onclick="window.location.href = 'nml.html';">Noise level
Monitoring</button>
        </td>
      </tr>
      <tr>
        <td>
          <button onclick="window.location.href = 'tips_rnp.html';">Tips for Reducing Noise
Pollution</button>
        </td>
        <td>
```

```

        <button onclick="window.location.href = 'sound_samp.html';">Sound
Samples</button>
    </td>
</tr>
<tr>
    <td colspan="2">
        <center> <button onclick="window.location.href = 'r_l.html';">Regulations and
Laws</button></center>
    </td>
</tr>
</table>
</center>
</body>
</html>

```

In conclusion, this noise pollution monitoring project not only provides a comprehensive understanding of the issue but also lays the groundwork for sustainable actions, fostering a future where tranquility and a reduction in noise pollution are attainable goals for the benefit of all.