CSE4004 LAB 3

index.html

```
<html>
  <head>
        <title>Grid</title>
        <style>
        * {
        margin: 0;
        font-family: Arial, Helvetica, sans-serif;
        }
        header {
        padding: 50px;
        background-color: black;
        color: white;
        }
        .grid2 {
        display: grid;
        }
        .grid-container {
        display: grid;
        height: 100%;
        grid-gap: 10px;
        grid-template-columns: 200px 800px auto;
        }
        .navbar {
        height: 100%;
        width: 200px;
        background-color: #eee;
        overflow: auto;
        }
        .navbar a {
        background-color: #eee;
        display: block;
        color: black;
        padding: 20px;
        text-decoration: none;
        }
        .navbar a:hover {
        background-color: #ccc;
        }
        .navbar a.active {
        background-color: #4caf50;
        color: white;
        }
        .article {
        text-align: center;
```

```
        padding: 20px;

        background-color: lightgray;
        margin: 0px;
        }
        .sidebar {
        text-align: center;
        padding: 20px;
        font-size: 30px;
        background-color: lightgray;
        margin: 0px;
        }

        footer {
        background-color: black;
        color: white;
        text-align: center;
        justify-content: center;
        height: 100px;
        padding: 20px;
        }
        .footerText {
        margin: 10px;
        }
        </style>
</head>
<body>
        <header>
        <div class="grid2">
        <h1>Job Fernandez</h1>
        <h4 style="position: fixed; top: 40px; right: 25px">19BCD7154</h4>
        </div>
        </header>

        <div class="grid-container">
        <div class="navbar">
        <a href="lab1.html" target="_blank" active>Resume</a>
        <a href="https://github.com/theathleticnerd" target="_blank">GitHub</a>
        <a href="https://www.instagram.com/the.athletic.nerd/" target="_blank"
        >Instagram</a
        >
        <a href="https://www.linkedin.com/in/job-fernandez" target="_blank"
        >LinkedIn</a
        >
        </div>
        <div class="article">
        <h2 style="margin: 34px">About Engineering</h2>
        <p style="margin: 20px; font-style: italic">
```

"The creative application of scientific principles to design or develop structures, machines, apparatus, or manufacturing processes, or works utilizing them singly or in combination; or to construct or operate the same with full cognizance of their design; or to forecast their behavior under specific operating conditions; all as respects an intended function, economics of operation and safety to life and property."

There exists an overlap between the sciences and engineering practice; in engineering, one applies science. Both areas of endeavor rely on accurate observation of materials and phenomena. Both use mathematics and classification criteria to analyze and communicate observations. Scientists may also have to complete engineering tasks, such as designing experimental apparatus or building prototypes. Conversely, in the process of developing technology engineers sometimes find themselves exploring new phenomena, thus becoming, for the moment, scientists or more precisely "engineering scientists". The International Space Station is used to conduct science experiments of outer space In the book What Engineers Know and How They Know It, Walter Vincenti asserts that engineering research has a character different from that of scientific research. First, it often deals with areas in which the basic physics or chemistry are well understood, but the problems themselves are too complex to solve in an exact manner. There is a "real and important" difference between engineering and physics as similar to any science field has to do with technology. Physics is an exploratory science that seeks knowledge of principles while engineering uses knowledge for practical applications of principles. The former equates an understanding into a mathematical principle while the latter measures variables involved and creates technology.For technology, physics is an auxiliary and in a way technology is considered as applied physics. Though physics and engineering are interrelated, it does not mean that a physicist is trained to do an engineer's job. A physicist would typically require additional and relevant training. Physicists and engineers engage in different lines of work. But PhD physicists who specialize in sectors of engineering physics and applied physics are titled as Technology officer, R&D Engineers and System Engineers.

<table>
<tr>
<img
style="height: 150px; width: 150px; border-radius: 100%"

src="https://external-content.duckduckgo.com/iu/?u=http%3A%2F%2Fstatic.dnaindia.com%

```
2Fsites%2Fdefault%2Ffiles%2F2015%2F07%2F28%2F359776-apj-abdul-kalam-crop-afp.jpg&f=1&nofb=1"
        alt="profile_pic"
        />
        </tr>
        <tr style="margin: 30px">
        <p style="margin: 30px 20px 20px 10px">APJ Abdul Kalam</p>
        <p>11th President of India</p>
        <p style="margin-top: 20px; font-size: 18px">
        The People's President. He was awarded the Bharat Ratna, India's
        highest civilian honour in 1997. He has also been a professor (of
        aerospace engineering). Kalam is the first Chancellor of the
        Indian Institute of Space Science and Technology
        Thiruvananthapuram (IIST). Kalam’s contribution in the field of
        space sciences has been immense. He also contributed in India’s
        civilian space programme and military missile development, and so
        he got the title of India’s “Missile Man”.
        </p>
        </tr>
        </table>
        </div>
        </div>
        <footer>
        <p class="footerText">Copyrights Job Fernandez</p>
        <p class="footerText">Made on Earth by Humans</p>
        </footer>
  </body>
</html>
```