Micro Project Report

on

Cyberlearn:E-learning portal offering basic cybersecurity lessons

Course: Skill-Based Laboratory - I (Web Technology) (Semester – I)

by

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Web Technology – I Report

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Certificate

This is to certify that the Micro Project titled " Cyberlearn: _E- learning portal offering basic cybersecurity lessons ." has been Successfully completed by the following group of students under the course Skill Based Laboratory – I (Web Technology) in partial fulfillment of Semester – I requirements.

Group Members

(Write names exactly as per university roll list)

1.   _____ (PRN No.)   125BTCS1004   Signature: _____

2.   _____ (PRN No.)   125BTCS1023   Signature: _____

3.   _____ (PRN No.)   125BTCS1010   Signature: _____

4.   _____ (PRN No.)   125BTCS1003   Signature: _____

Faculty In-charge:

Ms.Archana Bopche

Assistant Professor

Department of Cyber Security

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Mumbai

Signature: _____

![Shah & Anchor Kutchhi Engineering College logo] Mahavir Education Trust's
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Table of content :

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Introduction

In today's digital world ,protecting personal and organizational data from cyberthreats is more critical than ever. Cyberlearn platform is designed to equip learners of all levels-from beginners to professionals with the essential skills and knowledge needed to navigate and secure the cyber world confidently. It is crucial for safeguarding sensitive data, ensuring business continuity, and complying with regulations, while also offering high-paying job prospects and the ability to specialize in various high-tech areas.

Our platform provides a wide range of interactive courses,hands on training modules,Quiz based on cybersecurity and some games also we have included. The page is created to offer accessible and comprehensive cybersecurity education to individuals and organizations . It aims to raise awareness about the growing importance of cybersecurity in today's digital world,where cyberthreats like hacking,data breaches and malware attacks are increasingly common.

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Connection to SDG goal :

Cyberlearning is intrinsically linked to the Sustainable Development Goals (SDGs), primarily by acting as a powerful tool to achieve SDG 4: Quality Education and SDG 17: Partnerships for the Goals. It also supports the progress of many other goals by building capacity and skills for sustainable development .

 As Cyberlearn provides online learning,which helps students to access education anytime and anywhere.cyberlearn also supports lifelong learning, develops digital skills and improves learning quality .Thus by all of these points Cyberlearn helps to achieve SDG 4 - Quality education.

Cyberlearn improves   access to knowledge and resources and by this it helps to achieve SDG 17. Cyberlearn also connects students and teachers from different places so by this it supports SDG 17 by building international cooperation. Cyberlearn promotes collaboration, enables knowledge-sharing,connects institutions and learners and also improves digital learning infrastructure and by doing all of this it helps to achieve SDG 17.

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3 . Project Overview

Brief description of website :

In today's digital world , many learners struggle to find clear and easy to understand explanations . Cyberlearn is developed to bridge the gap by offering well-structured content that supports beginners as well as intermediate learners . Cyberlearn is an informational website on cybersecurity topics . It is a learning website created to provide simple ,accessible and well organized educational contents for students and beginners in technology .

Increasing Cybercrimes , online frauds , data theft and lack of cyberawareness among students and citizens creates serious problems .To tackle such programs cyberlearn is created . Cyberlearn solves these problems by providing free cybersecurity learning resources.The website offers clear explanations , examples and resources on various technology subjects , helping learners to build strong fundamental knowledge. Cyberlearn brings all essential topics together in one place making learning more organized and convenient. In it each topic is explained in a simplified manner .

Usually this website contains 6 pages organized through user-friendly tabs. This includes the homepage ,Quiz page ,About us page, lessons page , blog page and Contact page.

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Cyberlearn webpage include several features specifically designed to support compliance and reporting requirements

Features

1. Progress tracking
2. Responsive navigation bar
3. Contact form
4. Cybersafety tips
5. Informational modules and articles
6. Quiz section
7. Interesting games

Tools used to develop cyberlearn :

1. HTML : To structure the content and elements , instructions , tips , buttons and navigation menus HTML has been used.
2. CSS : To build an effective and responsive look of cyberlearn CSS has been used.
3. Java : To create interactive frontend features like quiz , animation videos and for real time updates without page reload Java has been used.
4. PHP : To build Customized features to handle user logins , progress tracking and for data storage securely PHP has been used.
5. VS code : to write the code VS code has been used .
6. Github pages : To showcase the frontend or static parts of website and for hosting Github pages are used.

Home page -

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CyberLearn

Cybersecurity Awareness for Everyone

| Home | Lessons | Quiz | Contact | About Us | 🌙 Toggle Dark Mode |

Navigate through CyberLearn to access lessons, quizzes, and contact support. Hover on the tabs for info.

Welcome to CyberLearn

Learn essential cybersecurity awareness lessons to stay safe online. This supports **SDG 4: Quality Education**.

[Start Learning]   [Take Quiz]

SDG 4 Mapping - Quality Education

CyberLearn aligns with SDG 4 by integrating digital literacy and cybersecurity awareness into education:

- Provides free cybersecurity lessons accessible to all students.
- Encourages responsible digital behavior and safe online practices.
- Enhances knowledge of digital threats like phishing, malware, and scams.
- Supports interactive learning through quizzes, games, and feedback.
- Empowers students with practical digital skills for modern education.

Learn More About Cybersecurity

Check these blogs and articles to deepen your cybersecurity knowledge:

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Quiz page -

CyberLearn – Quiz

Cybersecurity Quiz

Time Left: 0 seconds

1. What is the safest type of password?

○ Your name + birthdate
○ Long, random mix of characters
○ 123456

2. Phishing usually happens through?

○ Fake emails or messages
○ Bluetooth only
○ Offline promotions

3. What should you avoid posting on social media?

○ Motivational quotes
○ Personal information & location
○ Travel photos after returning

4. What protects your device from malware?

○ Antivirus software
○ Increasing brightness
○ Changing wallpaper

5. Public WiFi should be used with caution because?

○ It is slow
○ Hackers can intercept your data
○ It drains battery

Lessons page -

CyberLearn
Cybersecurity Awareness – Lessons

Home   Lessons   Quiz   About Us   Contact

Cybersecurity Basic Lessons

1. Strong Passwords
Learn how to create safe and uncrackable passwords that keep your accounts secure.
Read Lesson →

2. Phishing Awareness
Understand how hackers trick people using fake emails, links and websites.
Read Lesson →

3. Social Media Safety
Learn how to protect your privacy and data across social platforms.
Read Lesson →

4. Device & Network Safety
Basic do's and don'ts to stay safe while using mobile, WiFi, and laptops.
Read Lesson →

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Blog page -

Cyber Security Blog

What is Phishing?

Learn how cyber criminals trick users into giving sensitive information...

Read More

How Hackers Break Passwords

Understand brute force, dictionary attacks, and how to protect your accounts...

Read More

Top 5 Cyber Security Tips You MUST Follow

Stay safe online with these simple but powerful security habits...

Read More

What is Encryption?

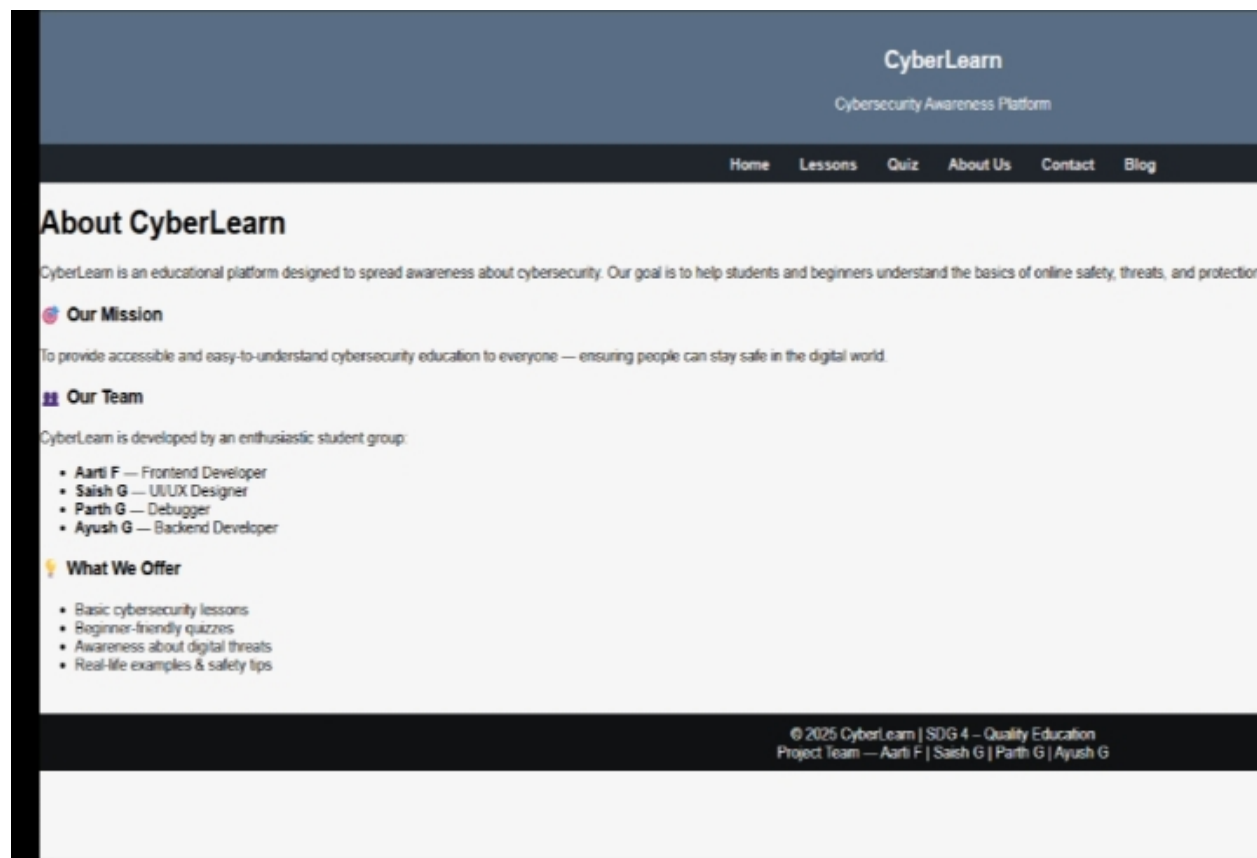Learn how your data stays safe while using WhatsApp, banking apps, etc...

Read More

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About us page -

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Contact us page -

CyberLearn

Get in Touch

Home   Lessons   Quiz   About Us   Contact   Blog

Contact Us

Have questions or feedback? Fill out the form below and we will get back to you!

Your Name

Your Email

Message

Submit

© 2025 CyberLearn | SDG 4 – Quality Education
Project Team — Aarti F | Saish G | Parth G | Ayush G

Code snippets :

Home page Code =

```css
feedback button:hover { transform: scale(1.2); }


/* Drag & Drop Game */

.game-section { text-align:center; margin:20px 0; }

.draggable { padding:8px 12px; margin:10px; background:#1abc9c; color:white; display:inline-block;
cursor:pointer; border-radius:5px; }

.dropzone { display:inline-block; width:200px; height:50px; margin:10px; background:#ecf0f1;
border:2px dashed #34495e; vertical-align:middle; line-height:50px; }


/* Footer */

footer { background:#2c3e50; color:#fff; text-align:center; padding:25px 10px; }

footer h3 { margin-top:0; }

footer .team-list { list-style:none; padding:0; margin:10px 0; }

footer .team-list li { margin:5px 0; }


/* Responsive */

@media screen and (max-width:768px) {

    nav { flex-direction: column; }

    nav a { margin:8px 0; }

    .hero, .sdg-section, .sdg-mapping { margin:15px; padding:30px 15px; }

}

</style>
```

Quiz page code =

```
<h1>Cybersecurity Quiz</h1>

    <div id="timer">Time Left: <span id="time">30</span> seconds</div>

    <form id="quizForm">

      <!-- Q1 -->
      <div class="question-box" id="q1box">
        <p><b>1. What is the safest type of password?</b></p>
        <input type="radio" name="q1" value="0"> Your name + birthdate<br>
        <input type="radio" name="q1" value="1"> Long, random mix of characters<br>
        <input type="radio" name="q1" value="0"> 123456<br>
      </div>

      <!-- Q2 -->
      <div class="question-box" id="q2box">
        <p><b>2. Phishing usually happens through?</b></p>
        <input type="radio" name="q2" value="1"> Fake emails or messages<br>
        <input type="radio" name="q2" value="0"> Bluetooth only<br>
        <input type="radio" name="q2" value="0"> Offline promotions<br>
      </div>
```

Lesson page =

```
<header>
    <h2>CyberLearn</h2>
    <p>Cybersecurity Awareness – Lessons</p>
  </header>


  <nav>
    <a href="index.html">Home</a>
    <a href="lessons.html">Lessons</a>
    <a href="quiz.html">Quiz</a>
    <a href="about.html">About Us</a>
    <a href="contact.php">Contact</a>
  </nav>


  <div class="container">
    <h1>Cybersecurity Basic Lessons</h1>


    <div class="lesson-box">
      <h3>1. Strong Passwords</h3>
      <p>Learn how to create safe and uncrackable passwords that keep your accounts secure.</p>
      <a href="#">Read Lesson    </a>
    </div>


    <div class="lesson-box">
      <h3>2. Phishing Awareness</h3>
      <p>Understand how hackers trick people using fake emails, links and websites.</p>
      <a href="#">Read Lesson    </a>
```

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Blog page code =

```
<h2>What is Phishing?</h2>
    <p>Learn how cyber criminals trick users into giving sensitive information...</p>
    <a href="https://www.youtube.com/watch?v=H6V_6HcJr6Q" target="_blank">Read More</a>
  </article>


  <!-- BLOG POST 2 -->
  <article class="blog-card">
    <h2>How Hackers Break Passwords</h2>
    <p>Understand brute force, dictionary attacks, and how to protect your accounts...</p>
    <a href="https://www.kaspersky.com/resource-center/threats/password-cracking" target="_blank">Read More</a>
  </article>


  <!-- BLOG POST 3 -->
  <article class="blog-card">
    <h2>Top 5 Cyber Security Tips You MUST Follow</h2>
    <p>Stay safe online with these simple but powerful security habits...</p>
    <a href="https://www.youtube.com/watch?v=4t1NDE6QGUE" target="_blank">Read More</a>
  </article>


  <!-- BLOG POST 4 -->
  <article class="blog-card">
    <h2>What is Encryption?</h2>
```

About us page =

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```
<h3>1 Our Team</h3>
        <p>CyberLearn is developed by an enthusiastic student group:</p>
        <ul>
            <li><strong>Aarti F</strong> — Frontend Developer</li>
            <li><strong>Saish G</strong> — UI/UX Designer</li>
            <li><strong>Parth G</strong> — Debugger</li>
            <li><strong>Ayush G</strong> — Backend Developer</li>
        </ul>
    </div>


    <div class="lesson-box">
        <h3>1 What We Offer</h3>
        <ul>
            <li>Basic cybersecurity lessons</li>
            <li>Beginner-friendly quizzes</li>
            <li>Awareness about digital threats</li>
            <li>Real-life examples & safety tips</li>
        </ul>
    </div>
  </div>


  <footer>
```

Contact us page =

```
<div class="container">
```

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\<h1>Contact Us\</h1>

\<div class="lesson-box">

    \<p>Have questions or feedback? Fill out the form below and we will get back to you!\</p>

    \<form action="#" method="post" style="margin-top: 20px;">

        \<label for="name">\Your Name\\</label>\
        \<input type="text" id="name" name="name" required
            style="width: 100%; padding: 10px; margin-top: 5px; margin-bottom: 15px; border-radius: 6px; border: 1px solid #ccc;">

        \<label for="email">\Your Email\\</label>\
        \<input type="email" id="email" name="email" required
            style="width: 100%; padding: 10px; margin-top: 5px; margin-bottom: 15px; border-radius: 6px; border: 1px solid #ccc;">

        \<label for="message">\Message\\</label>\
        \<textarea id="message" name="message" rows="5" required
            style="width: 100%; padding: 10px; margin-top: 5px; margin-bottom: 15px; border-radius: 6px; border: 1px solid #ccc;">\</textarea>

        \<button type="submit"

Challenges faced and solutions :

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Challenge 1 - Incorporating quizzes , progress tracking , forums or live sessions smoothly

Solution - Use Javascript frameworks like react for dynamic content and interactive elements .

Challenge 2 - Making the website functional and visually appealing across various   devices and screen sizes .

Solution - Employ frameworks like flexbox to create mobile-friendly and adaptable designs .

Challenge 3 - Linking pages issues .

Solution - it can be solved by corrected file structure .

Learning Outcomes

By completing this Micro Project, we learned to:

- Build multi-page responsive websites
- Work with semantic HTML5
- Apply CSS box model, Flexbox, and Grid
- Write basic JavaScript functions & events
- Handle form data and server-side processing
- Build dynamic, database-driven web pages
- Collaborate within a team

Conclusion :

The Cyberlearn website successfully provides cybersecurity awareness and supports SDG 4 by offering quality digital

education . It improves user safety and digital literacy skills .

By integrating user friendly design , and interactive learning features , Cyberlearn successfully addresses the challenges of online education while ensuring a safe and engaging experience .

This not only enhances access to quality learning but also promotes awareness and preparedness in the digital world making it a valuable resource for learners of all levels .

References :

1. Government Cyberlearn website content
2. Cyber Safety Articles
3. W3Schools
4. United Nations SDG resources

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