



DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY
LABORATORY TASK 5 | SESSION: 2 2024/2025

COURSE CODE: DFT40163	COURSE NAME: WEB DESIGN TECHNOLOGY
CLO 1: Construct the HTML, CSS, JavaScript and jQuery in developing an interactive web page that can be published on web browser (P4, PLO 3)	
TOPIC : 5.0 Web Mobile Framework	
NAME : 1.NUR SYAFIZA BINTI MOHAMMAD ZAINI 2.NUR NAJWA BINTI ABD RAZAK 3.NUR ATHIRAH BINTI ZAIDI	REGISTRATION NO : 10DDT23F1079 10DDT23F1080 10DDT23F1108
CLASS :DDT4B	DURATION : 4 hours

CLO	MARKS
CLO 1P	/52
Total marks	/100

INSTRUCTION:

This laboratory task must be complete as a group consisting of 3-4 group members only. Read the QUESTIONS and refer to attached RUBRIC for MARKING SCHEME carefully.

LAB REPORT FORMAT

Content of the **LAB REPORT:**

The Lab Report must consist of ALL the question sheets, lab task rubric and all the answers which are arranged according to the page order as has been included.

Warning!

Marks will be deducted for any plagiarism from the total marks achieved.

Instructions:

You are required to construct a **mobile-responsive website** using the **jQuery Mobile framework** based on the given reference and the attached design sample (refer to the provided screenshot).

Main Source: <https://demos.jquerymobile.com/1.2.0/>

Objective

- To creatively apply **jQuery Mobile components** in building a mobile web application.
 - To design a **professional landing page** for "Jabatan Teknologi Maklumat & Komunikasi (JTMK)".
-

Task (CLO2: P4)

Construct a **mobile web landing page** that includes the following components:

1. Header Section

- Organization logo on the **left**.
- Navigation bar on the **right** with links: HOME, ABOUT, PROJECTS, and CONTACT.
- The header must be **sticky (fixed at the top)** on all pages.

2. Main Content Sections

a) HOME Page

- A large introduction section with:
 - Heading: **"HEY, MY NAME IS JTMK"**
 - Sub-heading describing JTMK:

"JTMK is the Department of Information and Communication Technology (JTMK) offering DDT courses (Diploma in Information Technology (Digital Technology)) at Seberang Perai Polytechnic (PSP)."

- A button labeled **"PROJECTS"** that links to the Projects page.

b) ABOUT Page

- Details about all group members, assuming these roles:
 - Head of Department
 - Program Head (Software Track)
 - Program Head (Network Track)
 - Program Head (Data Track)

- Each member's profile must include:
 - Passport-sized photo
 - Full name
 - Position
 - Contact number

c) PROJECTS Page

- Create a list of projects with:
 - Project titles
 - Images
 - Reports in PDF format (clickable and viewable)
- Content must be creative and meaningful.

d) CONTACT Page

- Include functional buttons/links for:
 - **Phone call** (using tel: link)
 - **Email** (using mailto: link)
 - **WhatsApp** messaging (using WhatsApp API link)

3. Footer Section

- At the bottom of every page, display centered text:

"Copyright © DDT4x S2 2024/2025. All rights reserved."

4. Additional: Social Media Sidebar (Floating on Left)

- Display clickable icons **vertically** for:
 - LinkedIn
 - GitHub
 - Twitter
 - YouTube
 - Instagram
- Dummy links (#) are acceptable.

Requirements

- Apply **jQuery Mobile components**:
 - Header/Footer
 - [Navigation Bar](#)
 - Buttons
 - Listviews
 - Responsive Layouts (Grids)
- Apply **Mobile Web Apps Architecture**:
 - Use roles, theming, and page management.
- Manipulate **Dialogs**:

- Apply dialog boxes where suitable according to creativity and page needs.
- Apply **Hosting Resources**:
 - **Local Hosting**: Host all files within the project folder (e.g., using FTP upload to web hosting like [000webhost](#), [InfinityFree](#), [GitHub Pages](#)).
 - **CDN Hosting**: Use appropriate CDN links for libraries (e.g., jQuery, jQuery Mobile).
- **Integrate** jQuery Mobile lab activities previously done in class wherever relevant.

Deliverables

- Submit the complete project files:
 - HTML, CSS (if applicable), jQuery Mobile files.
- Must be tested and function correctly in both **desktop browser** and **mobile view**.
- Include a brief **report** containing:
 - URL of the developed website
 - Full source code
 - Screenshots of each page in responsive view (both desktop and mobile)
- Submit as a **single compressed ZIP file**.



Figure X: Sample Outcome for Homepage (without applying jQuery Mobile components)
 This sample shows the homepage layout before integration of jQuery Mobile framework. It lacks mobile responsiveness, theming, and interactive jQuery Mobile elements.

INFORMATION AND COMMUNICATION TECHNOLOGY DEPARTMENT
LABORATORY TASK 5 RUBRIC | SESSION 2 2024/2025

COURSE CODE	DFT40163	COURSE NAME	WEB DESIGN TECHNOLOGY
ASSESSMENT TASK	LAB TASK 5	LECTURER'S NAME	PN. SHU HAILA BINTI MOHD YUSOF
REGISTRATION NUMBER	1. 10DDT23F1079	STUDENT'S NAME	1. NUR SYAFIZA BINTI MOHAMMAD ZAINI
	2. 10DDT23F1080		2. NUR NAJWA BINTI ABD RAZAK
	3. 10DDT23F1108		3. NUR ATHIRAH BINTI ZAIDI
	4		4

CATEGORY / SCORE	4 (Excellent)	3 (Good)	2 (Fair)	1 (Poor)	Weight (%)	Student Score (1–4)	Marks (Student Score × Weight / Tot. Score)
Design & Layout	Excellent, professional layout; fully responsive and visually appealing	Good layout; responsive design with minor flaws	Basic structure; limited responsiveness; lacks polish	Very poor layout; no clear structure; lacks responsiveness	15		
Use of jQuery Mobile Components	Creative and full application of jQuery Mobile components with enhancements	Proper and consistent use of required components	Basic components used correctly, but inconsistent	Minimal or incorrect use of jQuery Mobile components	15		
Navigation Bar	Fully functional, user-friendly navigation.	Function with minor issues.	Basic structure, links may not work.	Missing or not functional.	10		
Social Media Sidebar (Floating on Left))	All icons complete, linked correctly.	All icons are present and properly linked with minor errors	Some icons missing or not properly linked	Major icons missing or incomplete	10		
About Us Page Content	Complete, meaningful, professional content.	Complete but lacks some quality details.	Basic information included but incomplete.	Very incomplete or irrelevant.	5		
Project Page Content	Complete, creative, well-documented projects.	Good project list with images/PDFs.	Few projects with basic info.	Very little or no project info.	5		
Footer (Copyright & Alignment)	Footer perfectly formatted and centered.	Footer corrects with minor formatting issues.	Footer present but not properly centered.	Footer missing or incorrectly formatted.	5		
Padding and Margin (Navbar, Content, Footer)	Excellent and consistent padding/margin across pages.	Proper padding/margin but slight inconsistency.	Basic padding/margin but inconsistent.	No proper padding/margin settings.	5		

CATEGORY / SCORE	4 (Excellent)	3 (Good)	2 (Fair)	1 (Poor)	Weight (%)	Student Score (1–4)	Marks (Student Score × Weight / Tot. Score)
Direct Call, Email & WhatsApp Functions	All three functions were correctly implemented.	Two functions work properly.	Only one function works.	None implemented.	5		
Hosting (Project Files Hosted)	Properly hosted and fully functional project.	Hosting successful with minor issues.	Hosting done but many errors.	Files not hosted or broken hosting.	10		
CSS Application			Good CSS, improves layout.	Basic CSS, minimal styling.	5		
Use of CDN			Full and proper use of CDN links.	CDN used correctly but minor errors.	5		
Report Submission (URL, Source Code, Screenshots)			Full report: URL, complete source code, and all responsive screenshots included properly	Report submitted but incomplete (missing screenshots/code)	5		
Task Completion within Time Allocated			Completed on time, high-quality submission.	Late submission but acceptable quality.	5		
TOTAL SCORE (/ 100)							

Note: A mark of ZERO (0) will be given if all items for score 1-4 are NOT fulfilled as specified or NO answer is given by the student.

~End of Question~

Answer Sheet:

Hosting (Project Files Hosted)

URL address:	https://athirah47.github.io/LabTask-5/
--------------	---

Coding

Note: Font Type Consolas 10pt, Single Spacing

Specify the name of the html file followed by coding.

index.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>JTMK Web | Landing Page</title>

  <link rel="stylesheet" href="https://code.jquery.com/mobile/1.2.0/jquery.mobile-1.2.0.min.css" />
  <script src="https://code.jquery.com/jquery-1.8.2.min.js"></script>
  <script src="https://code.jquery.com/mobile/1.2.0/jquery.mobile-1.2.0.min.js"></script>

  <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600;700&display=swap" rel="stylesheet">
  <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css" rel="stylesheet" />

  <style>
    body {
      font-family: 'Poppins', sans-serif;
      position: relative;
      min-height: 100vh;
      padding-bottom: 60px;
      box-sizing: border-box;
      overflow-x: hidden;
    }

    .social-sidebar {
      position: fixed;
      top: 50%;
      left: 10px;
      transform: translateY(-50%);
      display: flex;
      flex-direction: column;
      gap: 10px;
      z-index: 9999;
    }

    .social-sidebar a {
      background: white;
      color: #6c5ce7;
    }
  </style>
</html>
```

```

        border: 1px solid #ddd;
        border-radius: 50%;
        width: 35px;
        height: 35px;
        display: flex;
        align-items: center;
        justify-content: center;
        transition: transform 0.3s ease-in-out;
    }

    .social-sidebar a:hover {
        transform: translateY(-50%) scale(1.2);
    }

    #home,
    #about,
    #projects,
    #contact {
        text-align: center;
        padding-top: 50px;
        /* Add padding to the top of each section */
    }

    #home {
        background: linear-gradient(to right, #6a11cb, #2575fc);
        color: white;
    }

    /* Slideshow container */
    .slideshow-container {
        max-width: 300px;
        /* Adjust as needed */
        position: relative;
        /* Changed to relative */
        margin-top: 20px;
        /* Add space above the slideshow */
        z-index: 10;
        /* Ensure it's above other elements if needed */
        margin-left: auto;
        margin-right: auto;
        margin-bottom: 20px;
        /* Add margin below the slideshow */
    }

    .mySlides {
        display: none;
        text-align: center;
        /* Center the images within the slide */
    }

    .mySlides img {
        margin: 10px auto;
        /* Center the images with some top/bottom margin */
        border-radius: 50%;
        /* Maintain the circular border */
        max-width: 100%;
        height: auto;
    }

```



```
#about {
  background: linear-gradient(to right, #f9d423, #ff4e50);
  color: white;
}

#projects {
  background: linear-gradient(to right, #00c6ff, #0072ff);
  color: white;
  padding-bottom: 100px;
}

#contact {
  background: linear-gradient(to right, #43cea2, #185a9d);
  color: white;
}

.back-button-container {
  position: absolute;
  bottom: 20px;
  /* Adjust to move it higher, closer to View Report */
  left: 50%;
  transform: translateX(-50%);
  z-index: 100;
  background: #ffffff;
  color: #6c5ce7;
  border-radius: 30px;
  padding: 10px 25px;
  display: inline-block;
  font-weight: bold;
  text-decoration: none;
  transition: background 0.3s;
}

.back-button .btn {
  text-decoration: none;
  background-color: #4A90E2;
  color: white;
  padding: 12px 25px;
  border-radius: 8px;
  font-weight: bold;
  transition: background-color 0.3s ease;
}

.back-button .btn:hover {
  background-color: #fff;
}

.ui-content {
  padding: 30px;
}

h2 {
  margin-bottom: 15px;
  font-size: 2rem;
}

p {
  margin-bottom: 20px;
  line-height: 1.6;
}
```

```

}

.btn-custom,
.contact-buttons a {
    background: #ffffff;
    color: #6c5ce7;
    border-radius: 30px;
    padding: 10px 25px;
    margin-top: 20px;
    display: inline-block;
    font-weight: bold;
    text-decoration: none;
    transition: background 0.3s;
}

.btn-custom:hover,
.contact-buttons a:hover {
    background: #f0f0f0;
}

.project-card {
    background-color: rgba(255, 255, 255, 0.95);
    background-image: linear-gradient(to bottom right, #f9f9f9, #ffffff);
    color: #333;
    border-radius: 15px;
    padding: 20px;
    margin: 20px auto;
    max-width: 600px;
    box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2);
    transition: transform 0.3s ease-in-out;
}

.project-card:hover {
    transform: scale(1.05);
}

.image-container {
    position: relative;
    overflow: hidden;
    border-radius: 10px;
    margin-bottom: 15px;
}

.image-container img {
    width: 100%;
    display: block;
}

.image-container::before {
    content: '';
    position: absolute;
    top: -20%;
    left: -20%;
    width: 140%;
    height: 140%;
    background: linear-gradient(120deg, #f0f, #0ff, #ff0);
    opacity: 0.3;
    mix-blend-mode: lighten;
    animation: rotateGradient 5s linear infinite;
}

```

```

        border-radius: 50%;
    }

    @keyframes rotateGradient {
        0% {
            transform: rotate(0deg);
        }

        100% {
            transform: rotate(360deg);
        }
    }

    .project-card h3 {
        color: #0072ff;
        margin-bottom: 10px;
    }

    .project-card p {
        text-align: justify;
        color: #444;
        margin-bottom: 20px;
    }

    #projects .project-card .btn-custom {
        margin-top: 10px;
        margin-bottom: 30px;
    }

    .site-footer {
        text-align: center;
        font-size: 0.9rem;
        color: #333;
        background: #f2f2f2;
        padding: 10px;
        position: fixed;
        bottom: 0;
        width: 100%;
        z-index: 1000;
    }

    @media (max-width: 768px) {
        .social-sidebar {
            left: 5px;
        }

        .project-card {
            padding: 15px;
        }

        .slideshow-container {
            bottom: 20px;
        }
    }
</style>
</head>

<body>

```

```

<div class="social-sidebar">
  <a href="#"><i class="fab fa-linkedin-in"></i></a>
  <a href="#"><i class="fab fa-github"></i></a>
  <a href="#"><i class="fab fa-twitter"></i></a>
  <a href="#"><i class="fab fa-youtube"></i></a>
  <a href="#"><i class="fab fa-instagram"></i></a>
</div>

<div data-role="page" id="home">
  <div data-role="header" data-position="fixed">
    <h1>
JTMK</h1>
    <div data-role="navbar">
      <ul>
        <li><a href="#home" class="ui-btn-active">Home</a></li>
        <li><a href="#about">About</a></li>
        <li><a href="#projects">Projects</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </div>
  </div>

  <div data-role="content">
    <h2>Hello, Welcome to JTMK</h2>
    <p>JTMK is the Department of Information and Communication Technology offering
DDT courses (Diploma in Information
Technology (Digital Technology) at Seberang Perai Polytechnic (PSP)).We
are dedicated to nurturing a generation of graduates who are not only proficient in
information technology but also equipped with critical and innovative thinking. Through
our Diploma in Information Technology (Digital Technology) program, students explore the
ever-evolving digital landscape, encompassing fields such as software development, data
analysis, cybersecurity, and cloud computing.</p>
    <a href="#projects" class="btn-custom">View Projects</a>

    <div class="slideshow-container">
      <div class="mySlides fade">
        
      </div>
      <div class="mySlides fade">
        
      </div>
      <div class="mySlides fade">
        
      </div>
    </div>

  </div>

</div>

<div data-role="page" id="about">
  <div data-role="header" data-position="fixed">

```

```

        <h1>About Us</h1>
        <div data-role="navbar">
            <ul>
                <li><a href="#home">Home</a></li>
                <li><a href="#about" class="ui-btn-active">About</a></li>
                <li><a href="#projects">Projects</a></li>
                <li><a href="#contact">Contact</a></li>
            </ul>
        </div>
    </div>

    <div data-role="content">
        <ul data-role="listview" data-inset="true">
            <li>
                <h2>Nur Syafiza Binti Mohammad Zaini</h2>
                <p>Head of Department</p>
            </li>
            <li>
                <h2>Nur Najwa Binti Abd Razak</h2>
                <p>Program Head (Software)</p>
            </li>
            <li>
                <h2>Nur Athirah Binti Zaidi</h2>
                <p>Program Head (Data)</p>
            </li>
        </ul>
        <a href="#home" class="back-button-container">Back to Home</a>
    </div>

</div>

<div data-role="page" id="projects">
    <div data-role="header" data-position="fixed">
        <h1>Projects</h1>
        <div data-role="navbar">
            <ul>
                <li><a href="#home">Home</a></li>
                <li><a href="#about">About</a></li>
                <li><a href="#projects" class="ui-btn-active">Projects</a></li>
                <li><a href="#contact">Contact</a></li>
            </ul>
        </div>
    </div>

    <div data-role="content">
        <div class="project-card">
            <div class="image-container">
                
            </div>
            <h3>Robotics Projects at Home</h3>
            <p>This project showcases innovative robotic prototypes developed by students from JTMK at home. Despite limited resources, they demonstrated creativity by building functional robots using recycled materials, microcontrollers, and basic sensors. These projects reflect the core digital skills and critical thinking fostered at PSP.</p>
            <a href="Project.pdf" target="_blank" class="btn-custom"><i class="fas fa-file-pdf"></i> View Full Report</a>
        </div>
    </div>

```

```

        </div>
        <a href="#home" class="back-button-container">Back to Home</a>
    </div>
</div>

<div data-role="page" id="contact">
    <div data-role="header" data-position="fixed">
        <h1>Contact Us</h1>
        <div data-role="navbar">
            <ul>
                <li><a href="#home">Home</a></li>
                <li><a href="#about">About</a></li>
                <li><a href="#projects">Projects</a></li>
                <li><a href="#contact" class="ui-btn-active">Contact</a></li>
            </ul>
        </div>
    </div>
</div>

    <div data-role="collapsible" data-collapsed="false">
        <h3>Email Us</h3>
        <ul data-role="listview" data-inset="true">
            <li><a href="mailto:syafizazaini@gmail.com" data-role="button"><i
class="fas fa-envelope"></i> Email Syafiza</a>
            </li>
            <li><a href="mailto:nurnajwa9490@gmail.com" data-role="button"><i
class="fas fa-envelope"></i> Email Najwa</a>
            </li>
            <li><a href="mailto:nur464898@gmail.com" data-role="button"><i class="fas
fa-envelope"></i> Email Athirah</a>
            </li>
        </ul>
    </div>

    <div data-role="collapsible">
        <h3>Call or WhatsApp</h3>
        <ul data-role="listview" data-inset="true">
            <li><a href="https://wa.me/60184075482" data-role="button"
target="_blank"><i
class="fab fa-whatsapp"></i>
                WhatsApp Syafiza</a></li>
            <li><a href="tel:+60184075482" data-role="button"><i class="fas fa-
phone"></i> Call Syafiza</a></li>
            <li><a href="https://wa.me/601124164733" data-role="button"
target="_blank"><i
class="fab fa-whatsapp"></i>
                WhatsApp Najwa</a></li>
            <li><a href="tel:+601124164733" data-role="button"><i class="fas fa-
phone"></i> Call Najwa</a></li>
            <li><a href="https://wa.me/60105513629" data-role="button"
target="_blank"><i
class="fab fa-whatsapp"></i>
                WhatsApp Athirah</a></li>
            <li><a href="tel:+60105513629" data-role="button"><i class="fas fa-
phone"></i> Call Athirah</a></li>
        </ul>
    </div>
    <a href="#home" class="back-button-container">Back to Home</a>

```

```
</div>

<script>
  var slideIndex = 0;
  showSlides();

  function showSlides() {
    var i;
    var slides = document.getElementsByClassName("mySlides");

    for (i = 0; i < slides.length; i++) {
      slides[i].style.display = "none";
    }

    slideIndex++;
    if (slideIndex > slides.length) {
      slideIndex = 1
    }
    slides[slideIndex - 1].style.display = "block";

    setTimeout(showSlides, 3000);
  }
</script>

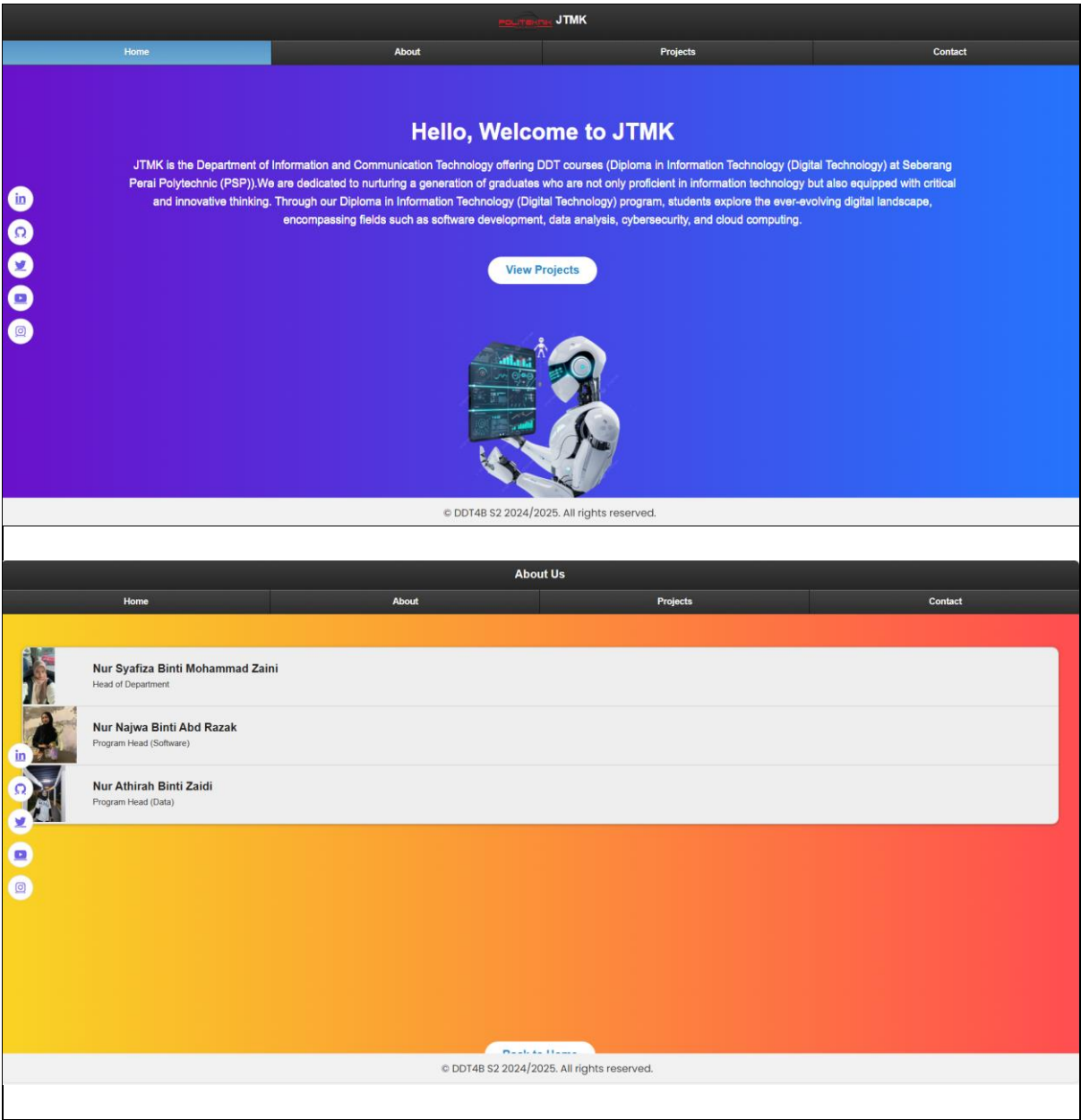
<div class="site-footer" data-role="footer" data-position="fixed">
  <footer>&copy; DDT4B S2 2024/2025. All rights reserved.</footer>
</div>

</body>

</html>
```

Screenshot Interface:

Desktop Interface:



Projects

HomeAboutProjectsContact

in

Robotics

Projects

Beginners And Intermediates

Robotics Projects at Home

This project showcases innovative robotic prototypes developed by students from JTMK at home. Despite limited resources, they demonstrated creativity by building functional robots using recycled materials, microcontrollers, and basic sensors. These projects reflect the core digital skills and critical thinking fostered at PSP.

View Full Report

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Contact Us

HomeAboutProjectsContact

Email Us

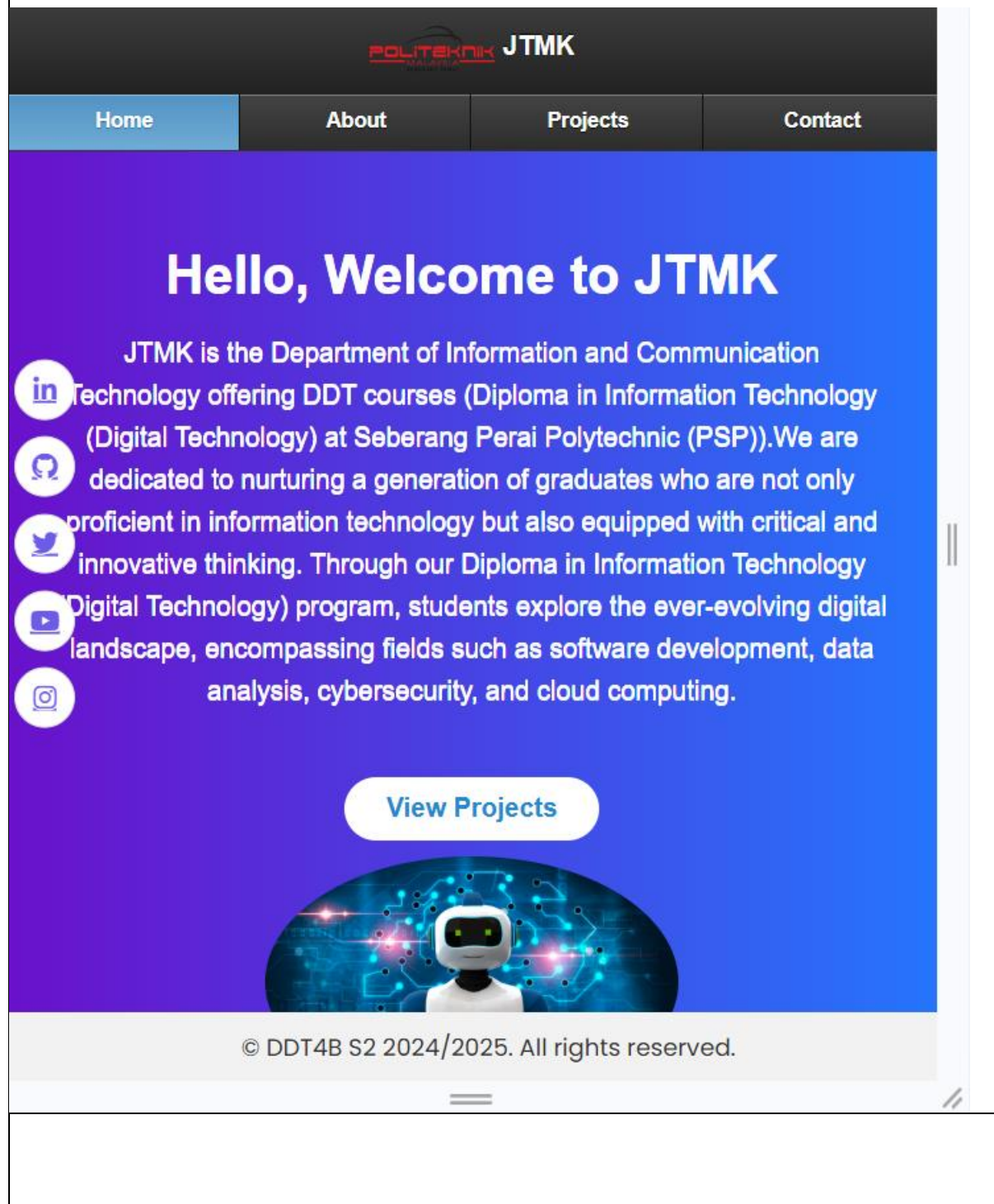
Call or WhatsApp

in

Back to Home

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Mobile Interface:



About Us

[Home](#)[About](#)[Projects](#)[Contact](#)

Nur Syafiza Binti Mohammad Zaini

Head of Department



Nur Najwa Binti Abd Razak

Program Head (Software)



Nur Athirah Binti Zaidi

Program Head (Data)



[Back to Home](#)

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Robotics Projects at Home

This project showcases innovative robotic prototypes developed by students from JTMK at home. Despite limited resources, they demonstrated creativity by building functional robots using recycled materials, microcontrollers, and basic sensors. These projects reflect the core digital skills and critical thinking fostered at PSP.

