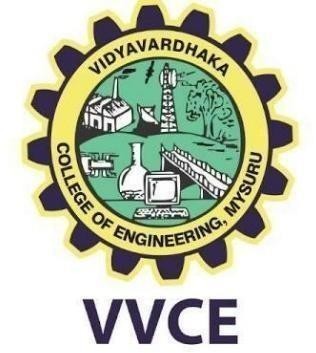
Vidyavardhaka College of Engineering,

## Autonomous Institute, Affiliated to Visveswaraya Technological University, Belagavi. Accredited by NBA, New Delhi & NAAC with ‘A’ Grade Gokulam 3rd Stage, Mysuru - 570002, Karnataka, India



**Web Programing ABA [BPLCK105A] 2024-2025**

A Project Report on

“Diagnosis Scans Webpage”

**Submitted**

**Abhilash G VVCE24ISE0040**

**Abhiram Bhat VVCE24ISE0136**

**Amrutha KM VVCE24ISE0161**

**Disha P VVCE24ISE0155**

Under the guidance of

**Prof. Harini .D.K**

Department of Information Science Engineering

**Abstract**

The "Diagnosis Scans Webpage" project is designed to serve as an informative and user-friendly platform that educates individuals about various diagnostic scans and their applications. With the growing importance of early diagnosis in modern healthcare, this webpage aims to bridge the knowledge gap by providing clear, concise, and reliable information about different types of medical scans such as X-rays, MRIs, CT scans, ECG scans, and ultrasounds

The platform features an intuitive login system at the homepage to ensure secure access, allowing users to manage their personalized experience. Each type of scan is meticulously explained, covering aspects such as its purpose, procedure, benefits, risks, and preparation guidelines. These explanations are presented in the form of downloadable PDF documents to cater to users who prefer offline reading or sharing the information with others.

By offering detailed resources in a structured and easily accessible format, the "Diagnosis Scans Webpage" empowers users to make informed decisions regarding their healthcare. It also strives to enhance awareness, reduce anxiety around diagnostic procedures, and promote proactive engagement in personal health management.

# Table Content

|  |  |
| --- | --- |
| Content | Page Number |
| 1.Introduction | 4 |
| 2.Design and Implementation | 5 |
| 3.Code | 6-15 |
| 4.Output | 16-18 |
| 5.Conclusion | 19 |

**Introduction**

The "Diagnosis Scans Webpage" incorporates an interactive and friendly interface that enhances user engagement. Features such as search functionalities, visual guides, and step-by-step explanations make it easy for users to navigate the platform and find the information they need. In today's fast-paced world, awareness about medical diagnostics plays a crucial role in ensuring timely and informed decision-making. However, many people remain unaware of the different types of scans, their purposes, and their importance in diagnosing and managing health conditions.

This project addresses the gap by providing a user-centric platform where individuals can learn about various imaging techniques, such as X-rays, CT scans, MRIs, PET scans, and ultrasounds. The webpage is designed to be both informative and engaging, featuring well-organized content and downloadable PDF resources for in-depth understanding.

Users have reported finding the webpage intuitive and helpful, particularly in easing the anxiety often associated with unfamiliar medical procedures. They can quickly learn about scan preparation, potential risks, and benefits, fostering a sense of confidence and control over their healthcare decisions. The platform is designed with accessibility in mind, ensuring that individuals from diverse backgrounds, including those with limited technical expertise, can easily use it.

Moreover, the secure login system provides a personalized experience, where users can save resources, track their informational needs, and access updates about the latest diagnostic technologies. The integration of infographics, videos, and FAQs simplifies complex concepts, allowing users to grasp the essentials of diagnostic scans without feeling overwhelmed. By focusing on user convenience and knowledge enhancement, the "Diagnosis Scans Webpage" promotes a culture of informed healthcare practices, making it an invaluable resource for individuals and families seeking clarity in medical diagnostics.

# Design and Implementation

The "Diagnosis Scans Webpage" has been carefully designed and implemented to offer a seamless user experience while ensuring reliability and accuracy in information delivery. The platform employs a multi-tier architecture, ensuring that the interface, business logic, and database layers work cohesively to deliver a smooth, responsive experience to users.

**Design**: The user interface (UI) is crafted to be clean, intuitive, and visually appealing, employing modern web design principles such as responsive layouts, clear typography, and consistent color schemes. The homepage features a welcoming login system, enabling secure access and personalization. Key sections are organized into easily navigable categories, with dropdown menus and quick links guiding users to detailed information on specific diagnostic scans.

The platform integrates interactive features, including:

* **Search functionality** to help users quickly locate the desired information.
* **Infographics and visual guides** to explain complex medical concepts.
* **Downloadable PDFs** for each diagnostic scan, ensuring offline access and ease of sharing.

**Implementation**: The webpage is developed using a robust technology stack comprising HTML, CSS, JavaScript, and a server-side framework like Node.js or Python's Django for dynamic content rendering. A relational database such as MySQL or PostgreSQL stores user data securely and manages informational content. The authentication system leverages secure hashing algorithms to safeguard user credentials, ensuring data privacy.

Dynamic content, such as FAQs, video tutorials, and recent advancements in diagnostic technologies, is regularly updated to maintain the relevance of the platform. The implementation also incorporates analytics tools to track user engagement and identify areas for improvement, ensuring the webpage evolves with user needs.

By blending thoughtful design and advanced technical implementation, the "Diagnosis Scans Webpage" provides an accessible, reliable, and interactive resource for users seeking clarity on diagnostic scans.

# Code

## HTML program for Login page :

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Login Page</title>

<link rel="stylesheet" href="Login form.css">

</head>

<body>

<header>

<h1>Login</h1>

</header>

<main>

<section class="login-container">

<form id="loginForm">

<div class="form-group">

<label for="username">Username:</label>

<input type="text" id="username" required>

</div>

<div class="form-group">

<label for="text">age:</label>

<input type="number" id="age" required>

</div>

<div class="form-group">

<label for="password">Password:</label>

<input type="password" id="password" required>

</div>

<button type="submit">Login</button>

<p id="error" style="color:red;"></p>

</form>

<p class="register-link">Don't have an account? <a href="Registration form.js" onclick="register()">Register here</a></p>

</section>

</main>

<script src="Registration form.js"></script>

</body>

</html>

CSS program for Login page :

body {

background-image: url('D:/WEB ABA/Login page BG.jpg');

background-repeat: no-repeat;

background-size: cover;

font-family: Arial, sans-serif;

background-color: #f2f2f2;

}

header {

background-color: #007bff;

text-style: Roman;

color: #ffffff;

padding: 10px;

text-align: center;

border-radius: 10px;

}

.login-container {

max-width: 400px;

margin: 40px auto;

padding: 20px;

background-color: #ffffff;

border: 1px solid #dddddd;

border-radius: 10px;

box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);

}

.login-container h2 {

margin-top: 0;

}

.form-group {

margin-bottom: 20px;

}

.form-group label {

display: block;

font-weight: bold;

margin-bottom: 10px;

}

.form-group input {

width: 90%;

height: 40px;

padding: 10px;

border: 1px solid #cccccc;

border-radius: 5px;

}

button[type="submit"] {

width: 100%;

height: 40px;

background-color: #007bff;

color: #ffffff;

border: none;

border-radius: 5px;

cursor: pointer;

}

button[type="submit"]:hover {

background-color: #0056b3;

}

.register-link {

text-align: center;

margin-top: 20px;

}

.register-link a {

color: #007bff;

text-decoration: none;

}

.register-link a:hover {

color: #0056b3;

}

JAVASCRIPT for Login form :

// Function to handle registration

function register() {

// Redirect to a registration page or show a registration form

alert("Redirecting to registration page...");

// Example: Store user credentials in localStorage

const username = prompt("Enter a username:");

const password = prompt("Enter a password:");

if (username && password) {

// Save the username and password in localStorage

localStorage.setItem("registeredUsername", username);

localStorage.setItem("registeredPassword", password);

alert("Registration successful! You can now login.");

} else {

alert("Registration failed. Please provide both username and password.");

}

}

// Function to handle login

document.getElementById("loginForm").addEventListener("submit", function (event) {

event.preventDefault(); // Prevent form submission

// Get input values

const username = document.getElementById("username").value;

const age = document.getElementById("age").value;

const password = document.getElementById("password").value;

// Retrieve stored credentials from localStorage

const registeredUsername = localStorage.getItem("registeredUsername");

const registeredPassword = localStorage.getItem("registeredPassword");

// Validate credentials

if (username === registeredUsername && password === registeredPassword) {

alert("Login successful!");

window.location.href = "Home page.html";

// Redirect to another page or perform other actions

} else {

document.getElementById("error").textContent = "Invalid username or password.";

}

})

# Diagnosis scan webpage HTML:

# <!DOCTYPE html>

# <html lang="en">

# <head>

# <meta charset="UTF-8">

# <meta name="viewport" content="width=device-width, initial-scale=1.0">

# <title>Home Page</title>

# <link rel="stylesheet" href="Home page.css">

# </head>

# <body>

# <header>

# <h1>Diagnosis Scans</h1>

# </header>

# <main>

# <h3><center>SCANS</center>

# </h3>

# <div class="grid-container">

# <!-- Box 1 -->

# <div class="box" onclick="window.location.href='D:/WEB ABA/CT.pdf','\_blank'">

# <h2>CT SCAN</h2>

# <img src="CT SCAN.jpg" height="200px">

# <p>

# A CT scan is a special kind of X-ray that takes pictures of the inside of your body. It helps doctors see what's wrong and make you feel better.</p>

# </div>

# <!-- Box 2 -->

# <div class="box" onclick="window.location.href='D:/WEB ABA/MRI.pdf'">

# <h2>MRI SCAN</h2>

# <img src="MRI SCAN.jpg" height="200px">

# <p>An MRI scan uses magnets and radio waves to take clear pictures of the inside of your body. It is a painless procedure. It helps doctors see and understand health problems without surgery.</p>

# </div>

# <!-- Box 3 -->

# <div class="box" onclick="window.location.href='D:/WEB ABA/Xray report.jpg'">

# <h2>XRAY SCAN</h2>

# <img src="XRAY SCAN.jpg" height="200px">

# <p>An X-ray takes pictures of inside your body. It helps doctors see broken bones and other problems.</p>

# </div>

# <!-- Box 4 -->

# <div class="box" onclick="window.location.href='D:/WEB ABA/Ultrasound report.jpg'">

# <h2>Ultrasound scan</h2>

# <img src="Ultrasonic scan.jpg" height="200px">

# <p>An ultrasound scan uses sound waves to take pictures of inside your body. It helps doctors see how your baby or organs are doing.</p>

# </div>

# <!-- Box 5 -->

# <div class="box" onclick="window.location.href='D:/WEB ABA/ECG-Sample-Report.pdf','\_blank'">

# <h2>ECG scan</h2>

# <img src="ECG scan.jpg" height="200px">

# <p>An ECG shows how your heart beats by recording its electrical signals. It helps find heart problems.</p>

# </div>

# <!-- Box 6 -->

# <div class="box" onclick="window.location.href='D:/WEB ABA/Health report.jpg'">

# <h2>Full health checkup</h2>

# <img src="Full body check.jpg" height="200px">

# <p>A full body health checkup tests your entire body to find any health issues early. It checks things like blood, heart, and organs.</p>

# </div>

# </main>

# <footer>

# <div class="footer-content">

# <!-- Contact Details -->

# <div class="footer-section">

# <h4>Contact Us</h4>

# <p><strong>Email:</strong> <a href="mailto:info@example.com">info@example.com</a></p>

# <p><strong>Phone:</strong> +91-123-456-7890</p>

# </div>

# <!-- Location -->

# <div class="footer-section">

# <h4>Location</h4>

# <p>123 Main Street</p>

# <p>City, State, ZIP Code</p>

# <p>Country</p>

# </div>

# <!-- Social Media Links -->

# <div class="footer-section">

# <h4>Follow Us</h4>

# <p><a href="https://facebook.com" target="\_blank">Facebook</a></p>

# <p><a href="https://twitter.com" target="\_blank">Twitter</a></p>

# <p><a href="https://linkedin.com" target="\_blank">LinkedIn</a></p>

# </div>

# </div>

# <!-- Footer Bottom -->

# <div class="footer-bottom">

# <p>&copy; 2025 Your Company. All rights reserved.</p>

# </div>

# </footer>

# </body>

# </html>

# Diagnosis scan webpage CSS:

# /\* General Styles \*/

# body {

# background-image: url('E:/HTML/WEB ABA/Home page BG.jpg');

# background-repeat: no-repeat;

# background-size: cover;

# font-family: Arial, sans-serif;

# margin: 0;

# padding: 0;

# background-color: #f5f5f5; /\* Light gray background \*/

# display: flex;

# justify-content: center;

# align-items: center;

# min-height: 100vh; /\* Full viewport height \*/

# flex-direction: column;

# }

# header {

# background-color: #333333; /\* Dark gray background \*/

# padding: 20px;

# text-align: center;

# border-radius: 10px 10px 0 0; /\* Rounded top corners \*/

# box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);

# width: 100%;

# margin-bottom: 20px;

# }

# h1 {

# margin: 0;

# font-size: 2.5em;

# font-family: 'Times New Roman', Times, serif;

# font-weight: bold;

# color: #333333;

# text-align: center;

# text-transform: uppercase;

# letter-spacing: 2px;

# word-spacing: 5px;

# line-height: 1.2;

# padding: 10px 0;

# border-bottom: 1px solid #ccc;

# text-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

# background-color: #f2f2f2;

# box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);

# border-radius: 10px 10px 0 0;

# width: 100%;

# margin-bottom: 20px;

# }

# h3 {

# margin: 0;

# font-size: 1.5em;

# font-family: Arial, sans-serif;

# font-weight: bold;

# color: #333333;

# text-align: center;

# text-transform: uppercase;

# letter-spacing: 2px;

# word-spacing: 5px;

# line-height: 1.2;

# padding: 8px 5px;

# border-bottom: 1px solid #ccc;

# text-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

# background-color: gray;

# box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);

# border-radius: 10px 10px 10px 10px;

# width: 100%;

# margin-bottom: 20px;

# }

# h4 {

# color: #333333;

# background-color: #e0e0e0;

# }

# main {

# background: #ffffff; /\* White background for the content \*/

# padding: 20px;

# border-radius: 10px; /\* Rounded corners \*/

# box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);

# width: 80%; /\* Adjust width as needed \*/

# max-width: 1200px; /\* Maximum width \*/

# }

# /\* Grid Layout for 9 Boxes \*/

# .grid-container {

# display: grid;

# grid-template-columns: repeat(3, 1fr); /\* 3 columns \*/

# gap: 20px; /\* Space between boxes \*/

# padding: 20px;

# }

# .box {

# background: #e0e0e0; /\* Light gray background for boxes \*/

# padding: 20px;

# border-radius: 10px; /\* Rounded corners \*/

# text-align: center;

# cursor: pointer;

# transition: background 0.3s, transform 0.3s;

# box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);

# }

# .box:hover {

# background: #d0d0d0; /\* Slightly darker gray on hover \*/

# transform: translateY(-5px); /\* Lift effect on hover \*/

# }

# .box h2 {

# margin: 0;

# font-size: 1.5em;

# color: #333333; /\* Dark gray text \*/

# }

# .box p {

# margin: 10px 0 0;

# color: #666666; /\* Medium gray text \*/

# }

# /\* Link Styles \*/

# a {

# color: #007bff; /\* Blue link color \*/

# text-decoration: none;

# }

# a:hover {

# text-decoration: underline; /\* Underline on hover \*/

# }

# /\* Footer Styles \*/

# footer {

# background-color: #242124; /\* Dark gray background \*/

# color: #ecf0f1; /\* Light gray text \*/

# padding: 40px 200px 40px 200px;

# text-align: center;

# }

# .footer-content {

# display: flex;

# justify-content: space-around;

# flex-wrap: wrap;

# max-width: 1200px;

# margin: 0 auto;

# padding: 20px;

# }

# .footer-section {

# flex: 1;

# min-width: 200px;

# margin: 10px;

# }

# .footer-section h3 {

# font-size: 1.2em;

# margin-bottom: 15px;

# color: #3498db; /\* Accent color for headings \*/

# }

# .footer-section p {

# margin: 8px 0;

# font-size: 0.9em;

# color: #bdc3c7; /\* Light gray text \*/

# }

# .footer-section a {

# color: #ecf0f1; /\* White links \*/

# text-decoration: none;

# transition: color 0.3s;

# }

# .footer-section a:hover {

# color: #3498db; /\* Blue on hover \*/

# }

# .footer-bottom {

# background-color: #34495e; /\* Slightly darker gray for the bottom section \*/

# padding: 15px 0;

# margin-top: 20px;

# }

# .footer-bottom p {

# margin: 0;

# font-size: 0.8em;

# color: #bdc3c7; /\* Light gray text \*/

# }

# Output

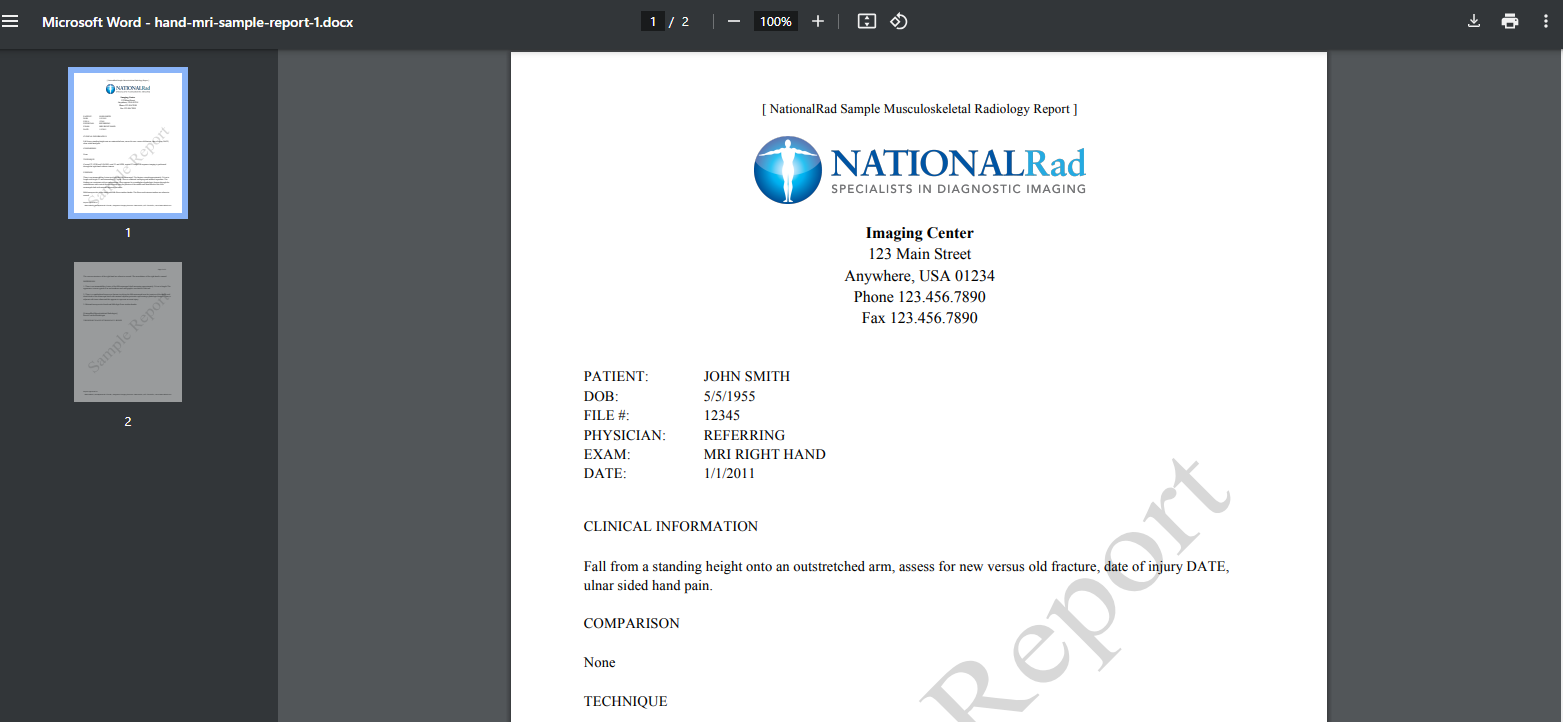
# This is the login page of the webpage :

# 

This is the home page of the webpage :



MRI scan box redirecting to the report pdf:



**Conclusion**

In conclusion, the "Diagnosis Scans Webpage" is a comprehensive platform designed to demystify diagnostic imaging and promote informed healthcare decision-making. By combining user-friendly navigation, reliable information, and interactive features, the project successfully bridges the knowledge gap surrounding diagnostic scans. The secure login system, detailed downloadable resources, and accessible design make it an invaluable tool for individuals looking to understand and prepare for medical procedures.

The platform not only empowers users to make confident healthcare choices but also fosters a proactive approach to personal health management. Its innovative blend of technology and education creates a space where complex medical concepts become easy to understand, paving the way for enhanced public health awareness. As it continues to evolve, the "Diagnosis Scans Webpage" stands as a significant step toward improving accessibility, reducing anxiety, and fostering trust in medical diagnostics.