

**JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY
NOIDA**



MINOR PROJECT SYNOPSIS

On

“Medireach wellness webcenter”

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Submitted To:

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January 2024

DECLARATION

We, the undersigned members of **Group 6**, consisting of:

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All students of **Jaypee Institute of Information Technology**, pursuing **Computer Science and Engineering BTECH**, hereby collectively declare that the project work entitled **“Medireach wellness webcenter”** is an authentic record of our own work carried out under the guidance of **Dr. ARTI JAIN, Professor, CSE Department**. The work presented in this project has not been submitted earlier for the award of any degree or diploma to the best of our knowledge and belief.

The project work embodies the original research work carried out by us and the contents of this project do not form the basis for the award of any other degree to any of us or to anyone else. Any reference made in this project to earlier work done by others is fully acknowledged at the relevant places.

We understand that any act of plagiarism or misconduct shall result in disciplinary action as per the rules and regulations of the institution.

Place: NOIDA

Date: 27/01/2024

Problem Statement

Objective

The objectives of creating a Medireach wellness webcenter include:

Patient Management

To develop the "Medicare Wellness Webcenter" website, where users can efficiently manage patient information, enabling them to:

Facilitate Appointment Booking:

Enable patients to provide personal details during appointment booking for streamlined communication and scheduling.

Access Medical History:

Provide patients with access to their comprehensive medical history, fostering informed decision-making and continuity of care.

Review Treatment Plans:

Allow patients to review and understand their treatment plans, promoting active engagement in their healthcare journey.

By achieving these objectives, the "Medicare Wellness WebCenter" aims to enhance patient management and promote holistic wellness within the healthcare ecosystem.

Appointment Scheduling

To establish the "Medicare Wellness WebCenter" website, offering users the ability to seamlessly schedule appointments, enabling them to:

Access Doctor Availability:

Allow patients to check the availability of doctors for appointment bookings, ensuring efficient allocation of medical resources.

Incorporate Patient Preferences:

Enable patients to specify their preferences regarding appointment timing, preferred healthcare provider, and other relevant factors to personalize their healthcare experience.

Address Patient Urgency:

Provide patients with the flexibility to prioritize appointments based on the urgency of their medical needs, ensuring timely access to healthcare services.

By accomplishing these objectives, the "Medicare Wellness WebCenter" aims to streamline appointment scheduling processes, prioritize patient preferences, and enhance overall healthcare accessibility and efficiency.

Financial Management

To develop the "Medicare Wellness WebCenter" website, providing users with efficient financial management capabilities, including:

Automated Billing Generation:

Implement a system for electronically generating bills for patients following their treatment, ensuring accuracy and timeliness in the billing process.

By achieving this objective, the "Medicare Wellness WebCenter" aims to enhance financial transparency, streamline billing procedures, and optimize the overall financial management experience for both patients and healthcare providers.

Inventory Management

The objective of the "Medicare Wellness WebCenter" website is to implement a comprehensive inventory management system that enables users to:

Track Inventory Levels:

Develop functionalities to accurately monitor the levels of medical supplies and equipment in real-time, facilitating informed decision-making regarding inventory management.

Automate Supply and Reordering Process:

Integrate automation features to streamline the supply chain process, generating reorders based on predefined thresholds and consumption patterns, thereby reducing manual intervention and ensuring continuous availability of essential items.

Minimize Waste and Enhance Efficiency:

Implement strategies to minimize waste and optimize resource utilization by analyzing inventory data, identifying inefficiencies, and implementing measures to improve inventory management practices.

By achieving these objectives, the "Medicare Wellness WebCenter" aims to enhance operational efficiency, reduce costs associated with inventory management, and ensure seamless availability of medical supplies to support quality patient care.

Features

The system is made of a combination of modules that work in collaboration with each other and make it beneficial to accomplish the main aim of the scheme.

Tech Stack:

In the contemporary world, effective and easy medical reach is of serious concern. To address this challenge, we have developed a comprehensive Medireach wellness webcenter website that harnesses the power of cutting-edge technologies. This synopsis outlines the pivotal role played by HTML, CSS, JavaScript, Bootstrap, Node.js, Express.js, and MongoDB in the realization of this innovative platform.

- **HTML (Hypertext Mark-up Language)**
- **CSS (Cascading Style Sheets):**
- **JavaScript**
- **Bootstrap**
- **Node.js**
- **Express.js**
- **MongoDB**

In conclusion, the integration of HTML, CSS, JavaScript, Bootstrap, Node.js, Express.js, and MongoDB has culminated in the creation of our innovative Medireach wellness webcenter website. This robust technological stack not only empowers users with efficient user-friendly tools but also underscores our commitment to easy reach of every person to hospital.

Conclusion of the Medireach wellness webcenter: