



SYNOPSIS

ON

Healthcare Website

Submitted By:

Submitted To:

Mr. Akash Kumar Chaudhary

Nikesh Singh - A - 2115000661
Deepak Kumar - F - 2115000319.
Akash - M - 2115000094.
Jatin Kumar - F - 2115000490

Technical Trainer

Training and Development Dept.

Title of the Project:

Healthcare Website

Objective:

The main objective of the project is to create a user-friendly healthcare appointment system that allows users to easily schedule appointments with doctors online. The system aims to streamline the appointment process, making it convenient for both patients and healthcare providers.

Scope:

The project will cover the development of a web-based platform where users can register, browse available doctors, view their schedules, and book appointments based on the doctors' availability. It will not involve detailed medical consultations or diagnosis.

Methodology:

The project will utilize HTML, CSS, JavaScript for front-end development, and backend development will be done using a programming language like Nodejs or Express. A database system, such as MongoDB, will be used to store user and appointment information. The system will be hosted on a web server..

Proposed System:

The proposed system is an online platform where users can create accounts, search for doctors based on specialties, view their profiles and availability, and schedule appointments. Users will receive confirmation notifications via email after booking an appointment. Doctors will have a dashboard to manage their schedules and view upcoming appointments.

Features:

1. **User Registration:** Users can create accounts by providing necessary details.
2. **Doctor Listings:** Users can search for doctors based on specialties, location, and availability.
3. **Appointment Booking:** Users can schedule appointments with available doctors.
4. **Confirmation Notifications:** Users receive confirmation notifications for their booked appointments.

5. **Doctor Dashboard:** Doctors can manage their schedules, view appointments, and confirm or reschedule them.

List the key features or functionalities of your project.

Implementation Plan:

1. **Project Planning (November 6th - November 7th):** Define project requirements, features, and technology stack. Discuss the project scope, objectives, and finalize the technical requirements during this period.
2. **Front-end Development (November 9th - November 12th):** Design and develop user interfaces for registration, doctor listings, and appointment booking. Focus on creating responsive and intuitive UI elements. Use this time effectively to ensure a high-quality front-end design.
3. **Back-end Development (November 15th - November 22th):** Implement the database, user authentication, and appointment scheduling logic. Develop the server-side functionalities required for user management and appointment handling.
4. **Integration and Testing (November 22th – November 25th):** Integrate front-end and back-end components, perform extensive testing, and debug any issues. Ensure seamless communication between the user interface and the database. Thoroughly test the application for usability, functionality, and security.

Team Members:

- 1-Nikesh Singh : Responsible for handling basic backend and frontend work.
- 2-Deepak Kumar Gupta: backend development, focusing on the core functionality and server-side operations of the project.
- 3-Akash : Project File Manage.
- 4-Jatin kumar: handle Frontend also user-friendly and responsive across different devices and platforms.

Resources Required:

1. Development tools (vs code ,IDEs, text editors).
2. Web server and domain hosting services.

3. Database management system (MongoDB, etc.)
4. Version control system (Git, Github).
5. Testing tools and frameworks.

References:

1. **Node.js Official Documentation (Website):** Node.js. URL <https://nodejs.org/en/getting-started/>
2. **World Health Website**
3. **W3Schools website**

Expected Outcomes:

By the end of the project, we expect to deliver a fully functional healthcare appointment system. Users will be able to create accounts, search for doctors, schedule appointments, and receive confirmation notifications. The system will be user-friendly, intuitive, and accessible, providing a seamless experience for both patients and doctors. Additionally, we aim to ensure data security, system reliability, and a responsive design for various devices.

Project Supervisor:

Mr. Akash kumar Choudhary will supervise the project and provide guidance to ensure its successful completion.

Conclusion:

In conclusion, our project aims to revolutionize the way healthcare appointments are managed by providing a convenient and efficient online platform. Through careful planning, collaboration, and the use of appropriate technologies, we are confident in developing a robust healthcare appointment system. This system will not only fulfill the needs of users but also enhance the overall healthcare experience by simplifying the appointment scheduling process. We are committed to delivering a high-quality, user-friendly application that meets the expectations of both patients and healthcare provider