

MediGuide

**Web Programming**

**Project Proposal**



**Brief description of the project**

MediGuide is an application designed to simplify the process of locating the appropriate doctor within a hospital setting. Through MediGuide, patients can input specific details about their ailments, such as the type of discomfort (e.g., pain, unusual sensations) and the affected area (e.g., eyes, skin, joints). Utilizing this information, the app swiftly directs users to the most suitable doctor's office. This efficient approach not only saves valuable time for patients but also facilitates hospitals in reducing lobby congestion. Moreover, it enhances accessibility for critical patients and emergency cases.

**Scope of the project**

MediGuide is meant to be a web application that helps you find a doctor who specializes in the problem you’re dealing with at the moment. Its purpose is to streamline the process of matching patients with the appropriate doctor within a hospital setting, eliminating the necessity of waiting for assistance from a receptionist or guide.

**Functional Requirements**

1. User Registration and Authentication:

Users should be able to create accounts with their personal information.

2. User Profile Management:

Users should have the ability to update their profile information.

Users should be able to reset their passwords if forgotten.

3. Ailment Identification:

Users should be able to input specific details about their ailment, including type and severity.

The system should provide suggestions for possible ailments based on user input.

4. Locale Selection:

Users should be able to specify the affected area or body part (e.g., Eyes, Skin, Joints).

The system should suggest relevant medical specialists based on the selected locale.

5. Doctor Search and Recommendation:

The system should have a database of doctors and their specialties.

Based on the user's ailment and selected locale, the system should recommend suitable doctors.

Recommendations should include doctor profiles with relevant information such as name, specialization, location, and availability.

6. Appointment Booking:

Users should have the option to schedule appointments with recommended doctors.

The system should show available time slots for each doctor.

7. User Feedback and Reviews:

Allow users to rate and review doctors after their appointments.

Display average ratings and reviews to help users make informed decisions.

8. Search and Filter Functionality:

Allow users to search for doctors by name, specialty, location, or availability.

Provide advanced filtering options for users to refine their search results.

9. Mobile Responsiveness:

Ensure the web app is responsive and functional on various devices, including smartphones and tablets.