

- ABSTRACT

As we all know in today's fast running world people who fell ill finds it difficult and time consuming to go and consult a doctor instead they just assume what they are suffering from and just go and buy medication accordingly from a medical store or they just ignore that illness but this is a serious problem as they don't know what they are exactly suffering from which maybe be very harmful for their health. Also, in today's digital world it's very hard and hectic for us and for the doctors to keep all the medical records in form of papers.

So, we must find a fast, safe, and easy way to treat these kinds of illness and to be able to store records in a systematic way.

That's what our web app **"MyDoc"** do. This web app will have two interfaces (doctor and patient).

For Patients: You have to simply login into our website and then feed your symptoms and all the required info and our system will analyse it and tell you the disease you may be suffering from. It also tells you about the doctors in your area where you can go and consult them. You can also feed records of your previous treatments for future references.

For Doctors: you can store information related to your patients and also search a patient in the records by their names and diseases.

- PROBLEM STATEMENT

There is a need for a comprehensive and user-friendly web application that bridges the gap between patients and doctors. Patients often struggle to identify their ailments accurately and locate suitable doctors for consultation. On the other hand, doctors require an efficient system to manage patient records and retrieve information for better diagnosis and treatment.

- SOLUTION

We will Develop a web application named "MyDoc" with distinct interfaces for both patients and doctors. The application will facilitate the process of symptom analysis, disease identification, doctor recommendations, patient record management, and search functionality. Patients can input their symptoms, receive potential disease suggestions, and access a list of relevant doctors. Doctors can maintain patient records, search for patients based on names or diseases, and access historical patient information for improved healthcare delivery.

- TECHNIQUES

1. Collab (for python)
2. Excel/MySQL (for dataset)
3. HTML (for front end)

- SYSTEM REQUIREMENTS

1. User Authentication and Profiles:

- Implement secure user authentication for both patients and doctors.

2. Patient Interface:

- Allow patients to enter their symptoms and relevant information.
- Integrate an intelligent symptom analysis system to suggest potential diseases.
- Provide a list of doctors specialized in treating suggested diseases.

3. Patient Record Management:

- Enable patients to store their medical history and previous treatment records.

4. Doctor Interface:

- Allow doctors to create profiles and manage patient information.
- Provide a secure platform for doctors to access and update patient records.

5. Database Management:

- Set up a robust database to store patient information, symptom data, disease profiles, and doctor details.
- Ensure efficient data retrieval and storage for quick access.

6. Symptom Analysis and Disease Prediction:

- Ensure accuracy in disease suggestions to enhance user trust.

[By addressing these system requirements, the "MyDoc" web application aims to provide a seamless and valuable experience for both patients and doctors, enhancing healthcare accessibility and patient-doctor communication.]