SYNOPSIS

MINI PROJECT
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HEALTHCARE MANAGEMENT SYSTEM

Institute of Engineering & Technology

Team Members

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About the Project:

Health improvement can be done by preventing, proper diagnosis and treatment of diseases, illness, injury and other physical and mental impairments in human beings. Health care is taken by health professionals in associated health fields. Healthcare system delivers health care services to meet the health of target populations. There is a rise in infectious diseases as well as in non-communicable diseases, giving healthcare a double burden to combat. If anybody is ill and wants to visit a doctor for checkup, he or she needs to search the best doctor for a particular disease. Finding the best respective doctor for a particular disease manually is a tough task. This health information system helps to find respective specialist doctors for a particular disease in the nearby location and also provides information and tips on how the disease can be cured. This healthcare management system makes it easy to find the doctors, which helps the patients to recover faster from the disease. This health information system has two modules namely, Admin and Users. Admin can view the main keyword from the question asked by users, can manage doctor by adding new doctor, updating doctors live information and deleting non-existing doctors. Admin can also delete, update and add new diseases information and cure remedies. Users can ask question regarding a particular disease and get the proper information related to the disease, cure remedies and specialist doctors list from desired or nearby location.

❖ Modules:

The system comprises of 3 major modules with their sub-modules as follows:

1. **Admin:**

    - **Login:** Admin can login in his personal account using id and password.
    - **View main keyword:** Admin can view main keywords.
    - **Manage doctor:** Admin can add, update and delete doctors.
    - **Manage disease:** Admin can add, update and delete diseases.

2. **User:**

    - **Login:** User can login his account using id and password.
    - **Ask question:** User can ask question related to their diseases and doctors for cure.

Project Lifecycle:

Description

The waterfall Model is a linear sequential flow. In which progress is seen as flowing steadily downwards (like a waterfall) through the phases of software implementation. This means that any phase in the development process begins only if the previous phase is complete. The waterfall approach does not define the process to go back to the previous phase to handle changes in requirement. The waterfall approach is the earliest approach that was used for software development.

Motivation:

We got motivation for this project by Real life Problems . It is based on real issues that we are facing daily during our Health related issues.

Sites referred:-

- ✓ **ieeexplore.ieee.org**
- ✓ **geeksforgeeks.org**

Future Prospects:

- Voice recognition.
- Feedback activity.
- Chatbot function for direct communication.

Requirements:

a) Hardware

- i3 Processor Based Computer or higher
- Memory: 4 GB RAM
- Hard Drive: 160 GB

b) Software:

- Windows 7 or higher
- Python
- Django
- Spyder 3.2.4
- MySQL database