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HOSPITAL DATABASE SYSTEM
ABSTRACT

Our project aims at making a global medical database system. Through this, we aim to create a crowd-sourced database which has information about hospitals in a certain area. We aim to make a database that will allow users to quickly and easily access data for ease of use.

Through our database, we aim to accomplish the following goals:

1. Creating a database of all hospitals in a particular area, so that patients can quickly get their nearest hospital in case of emergency. The database will also contain details of the field of specialisation of the hospital, and also aim to provide a list of doctors available in the hospital, and their years of experience.

2. The database will also maintain exhaustive records of doctors available in the area, along with the hospitals they work in, and their fields of expertise. We will also show the experience of each doctor in years of practice.

3. We will also maintain a list of all patients, along with their respective ailments and the hospital they are admitted in. We will also show their date of admission and other relevant details.

4. Each hospital has a pharmacy, and we will also have records of pharmacies present in the hospitals. These records will contain details of different medicines available in the pharmacies, the stock remaining, and their costs. It will allow patients to quickly identify pharmacies near them where the medicines they require are present.

It will also show them the costs of the medicine beforehand. It will also allow the owners of these pharmacies to keep a track of the stock of medicines available, and replenish them before they get exhausted.

5. We also aim to keep a record of various blood banks present in the area. This database will have details blood groups present in the blood banks, along with their stocks. They will also have details of the donors who have donated blood in recent times to the bank. Also, we aim to keep track of the recipients of blood from the blood banks.

Using this database, we aim to create searching for hospitals a quick and efficient process for patients. We aspire to make this process easy for not only patients, but also for researchers collecting data for their research purposes. Our database will have an exhaustive record of the frequency of the breakout of a particular disease in an area, thus allowing researchers to predict epidemics in advance, possibly saving a lot of lives in the process. In such cases, our database will also make it easier to keep track of medicine reserves in various stores. Thus, all in all, our database will attempt to transform the process of healthcare in India.