Project Title	Advanced Hospital Management System (HelpStaffing)

Introduction

This project is to devise a solution for a real time problem in daily life and that is hospital management. Lose management happening in the hospital demand for a quick checkup and medical aid that can get the people out of the situation in a shorter time.

In this project, we have designed and developed prototype solution for the patient that can help in the finding of the doctor using HelpStaffing and controller and providing a quick check up service by informing the medical units using MERN.

Our project Advanced Hospital Management System includes registration of patients, storing their details into the system and also computerized billing in the pharmacy, and labs. Our software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a search facility to know the current status of each room. User can search availability of a doctor and the details of a patient using the id.

The Advanced Hospital Management System can be entered using a username and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast.

Languages Used

- MongoDB
- Javascript

Modules Used

NODE.JS
- Express
- Path
- Body-parser
- Mongoose

REACT.JS
- axios
- React-Lottie
- React-router-dom

Conceptual Framework:

Mongoose is a MongoDB-based web Database provided by Nodejs. We can send data to the mongoDB Atlats and it also provides us with the ability to analyse that data through Node code. After analysing that data, we can send information about that data through a web server.

In our project, we created Express Router/Endpoint create Rest Api to check in Postman/Swagger the information about the Hospital Doctors. We defined fields to store data Through React front-end, axios using fetch Api. We sent request to main server.

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