

IIIT SRI CITY OBJECT ORIENTED PROJECT (C++)

PROJECT-TITLE “HOSPITAL MANAGEMENT SYSTEM”

SUBMITTED TO : DR.PAVAN KUMAR BN

SUBMITTED BY :

ALKESH SHUKLA (S20210020252)
Electronics and Communication Engineering
Indian Institute of Information Technology Sricity

OBJECTIVE :

Hospital Management System provides the benefits of streamlined operations, enhanced administration, control, superior patient care, strict cost control and improved profitability. HMS is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to hospitals.

The project 'Hospital Management System' is based on the database, object oriented and networking techniques. As there are many areas where we keep the records in the database for which we are using MY SQL software which is one of the best and the easiest software to keep our information.

This project provides a good user interface to the hospital management to manage the data.

The proposed software product is the Hospital Management system (HMS). The system will be used in any hospital, clinic, dispensary or pathology labs. Clinic, dispensary or pathology to get the information from the patients and then storing that data for future usages. The current system in use is a paper based system. It is too slow and cannot provide updated lists of patients within a reasonable timeframe. The intention of the system is to reduce overtime pay and increase the number of patients that can be treated accurately. Requirement statements in these documents are both functional and non-functional.

INTRODUCTION :

Hospitals are the essential part of our lives, providing best medical facilities to people suffering from various ailments, which may be due to change in climatic conditions, increased work-load, emotional trauma, stress etc.

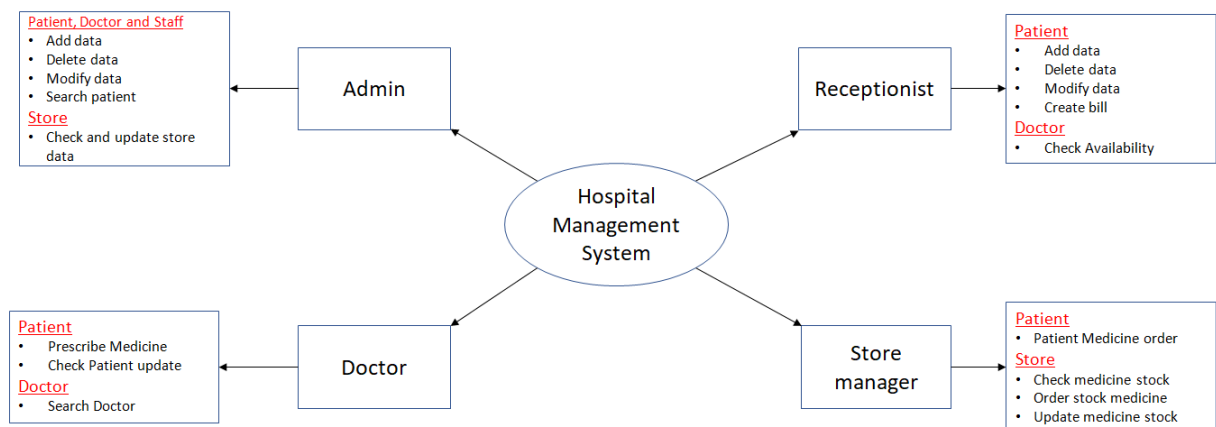
Before the computerized Hospital Management System came into practice, it was difficult to keep proper records of the daily activities of hospitals, patient information, maintenance schedule of equipment in the hospital, and how funds are being allocated and used. This resulted in waste of money, time and manpower.

The project “Hospital Management System” is designed to keep the records of doctors , patients , staff, and the bills of pharmacies. This system will keep the record of patient’s admit and discharge time, the vacancy of beds and the details of doctors in the hospital. It will provide a unique id to each patient and staff. users can search the availability of doctors and details of patients using this id.

The 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 make the data processing very fast. Hospital Management System provides the benefits of streamlined operations, enhanced administration & control, superior patient care, strict cost control and improved profitability.

Block Diagram of Hospital Management System

SYSTEM DESIGN



Software Requirement :

1. Visual studio code
2. Database (MYSQL) / File

EXPECTED OUTPUT:

The output of the project is like, we will be able to store most of the information of the hospital in the online mode. It provides a no. of choices available for the patient to choose the hospital based on their location and their ratings.

The patient will be given the option for choosing their doctor based on their fees and their years of experience. As soon as a patient is admitted or discharged the information will get stored in the database.

If a patient wants to access his page or doctor's information they can but they can't change anything, the permission to make changes will be given only to a few staff. With respect to the management point of view of the hospital it will have a record of staff's present past and future records any change in the activity will automatically get stored in the database.

The cost of medicine and all stuff's buyed from the hospital will be added to the hospital database as well as the patient's bill. The patient's family member(user) can see the expenses made by them which will create a transparency between the management and the patient.