

**Department of Computer Science**  
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**Project Proposal- Hospital Management System**

**Title:**

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## **Introduction**

A hospital management system project is a computer system that facilitates the efficient management of healthcare services provided by a hospital.

Three basic management systems will be covered in this project, Patient Management systems, Staff Management Systems, and Transportation Management Systems.

Each one of these has sub-modules which are; the Patient appointment and Doctor Management Module, Nurses Management Module, Class Four Management Module, and then the ambulance services module.

## **Work Flow of the Project**

The administrator could add or register, discharge, and search a patient based on ID. He can also do the same for employees, i.e doctors, nurses, class four, and drivers. In the ward-Management system, total beds, availability of beds for patients e.t.c will be counted.

If there is any requirement for ambulance services, that is also checked and tracked according to the requirements and availability and possibly the driver's profile will also be updated with the history of his/her service.

## **Modules and sub modules of Hospital Management System:**

<b>1. Staff Management System</b> <ul style="list-style-type: none"><li>a. Doctors Management</li><li>b. Nurses Management</li><li>c. Class Four Management</li></ul>
<b>2. Patient Management System</b> <ul style="list-style-type: none"><li>a. Appointment</li><li>b. Admit patient</li><li>c. Discharge patient</li><li>d. Search patient</li></ul>
<b>3. Floor Management System</b> <ul style="list-style-type: none"><li>a. Total floors</li><li>b. Total rooms</li><li>c. Rooms per floor</li><li>d. Total wards</li><li>e. Total beds</li></ul>
<b>4. Transportation Management System</b> <ul style="list-style-type: none"><li>a. Ambulance</li><li>b. Drivers</li></ul>

## **Modules explanation:**

### **Staff Management**

Our staff Management Includes, Doctors, Nurses and class four Management systems.

In each module following features will be included:

1. Doctors Profile and appointment
2. Nurses Profile and duty
3. Class four Profile and duty

Each doctor will have separated list of appointments of the day, patients checked and patient remaining. While each Nurse duty, and duty timing, same is with class fours.

### **Patient Management System**

Every services related to patients will be covered in this module. It includes appointments with particular doctor and discharged time and date if the patient has recovered and also cleared hospital bills.

Following features will be included in this module

1. Admit patient
2. Discharge patient
3. Search patient on the basis of Id
4. Appointment for diagnosis

### **Floors Management System**

In this modules all the services will be managed including Bed availability for hospitalized patients, no of beds, no of patients, vacancy and number of rooms for patients.

### **Transportation Management System**

In this module all the transportation modules will be covered, ambulance availability, time of service, and drivers of each ambulance.

Following features will be included in this module:

1. Ambulance availability
2. Ambulance services List on Patients service

References : <https://itsourcecode.com/fyp/hospital-management-system-project-report-documentations-pdf/>

<https://www.slideshare.net/NarayanChakraborty1/project-proposalhospital-management-system>