**Hospital Management System**

Hospitals play a major role in a human's life. There are several other reasons that a person needs medical assistance. **And, to provide best medical assistance, the management of the hospital must be disciplined, well-versed in its service providing techniques.**

There is a need to keep track of the records of the doctors, patients, nurses and staff. It is not very efficient, is not reliable and is very time consuming process. In today’s highly technological era, it is not feasible and economical.

 Our main aim is to minimize the paperwork of the hospital.

Objectives

* **Computerization** - All the details regarding hospitals, whether it is small or big, will be computerised.
* **No redundancy** - For every test that is conducted of the patients, an automated report will be generated and will be available to the patients and his / her concerned doctor uniformly.
* **Keep the Records**– It will be easier task for the management to keep the record of the patients for historical purpose.
* **Appointment**– It will be easier for both the doctors and the patients to have the appointments. It is just two clicks away.

**Key Features**

* Multi user account system
* Monitoring the whole hospital system
* Management of all type of users’ account
* **Notice Board (not sure)**
* Appointment Management
* View Appointments
* Notifications
* Medical History
* Invoice Management
* Medical Report Management
* Responsive User Interfaces

**Users**

There are seven types of users involved in a hospital management system.

* Admin
* Doctor
* Patient
* Nurse
* Receptionist
* Accountant
* Laboratory Assistant

Each of the above plays an important role in hospital management system.

**Admin**

* It is the most powerful user of the system.
* There will be only one admin into the system.
* The admin can create, delete and manage all user accounts.

**Receptionist**  
  
Receptionist will be the user that will keep tabs of the appointments. This user will maintain the time table of each doctor. This time table of each doctor will be available to the patients.  
  
The other task the receptionist can do is, filtering the appointments of patients, based on doctors schedule and time periods so that it is easy to access the appointment record.

**Accountant**

Accountant is the user who deals with financial transactions of the hospital. All the payment information and invoices will be managed by the accountant.

**Patient**

This is the user why hospital management system is introduced.   
A patient can make an appointment with the available doctors. The time table will be shown which is directed by receptionist. When the doctor approves the appointment, the patient will be notified via mail.   
  
The patient can view the doctor’s report about his / her appointment and his / her prescription details. Thus the patient can clearly know what has happened to him / her and how she or he should take care of herself or himself.  
  
If there are some serious health issues and the patient is needed to be admitted into the hospital, the bed would be allotted to him or her. The patient can view the detail information about the allotted bed.

**Nurse**

The duty of nurse is to assist doctor during operation and to keep record of ward assigned to her.

**Laboratory Assistant**

Whenever a patient is asked by doctor to have some tests, so that the doctor can prescribe some medications according to the test result, the patient goes to the lab.

The lab assistant diagnoses some tests and generate the reports. This report further is handed over to the nurse’s account.

**Doctor**

Doctor is the user who will help the patients with their physical health. The doctor will be able to approve the appointments as per his/her availability. **whether he/she wants to take it or not.**   
  
If the doctor wants, he/she can cancel the appointments. The concerned patient will be notified via mail.  
The doctor can view the medication history of the patients. The doctor can provide prescriptions to the patients.