

## ABSTRACT

The purpose of the project entitled as “HOSPITAL MANAGEMENT SYSTEM” is to computerize the Front Office Management of Hospital to develop software which is user friendly simple, fast, and cost effective. It deals with the collection of patient’s information, diagnosis details, etc. Traditionally, it was done manually. The main function of the system is register and store patient details and doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully. System input contains patient details, diagnosis details, while system output is to get these details on to the screen. 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 data are well protected for personal use and makes the data processing very fast

## INTRODUCTION

The project Hospital Management System includes registration of patients, storing their details into the system. The software has the facility to give a unique ID for every patient and stores the details of every patient and the staff automatically. Receptionist can search availability of a doctor and the details of a patients using the 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 databases. The data can be retrieved easily. Interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast.

Hospital Management System is a powerful, flexible, and easy to use and is designed for multi-specialty hospitals, to cover a wide range of hospital administration and management processes. It is an integrated end-to-end Hospital Management System that provides relevant information across the hospital to support effective decision making for patient care, hospital administration in a seamless flow.

Hospital Management System is a software product suite designed to improve the quality and management of hospital management. Hospital Management System enables you to develop your organization and improve its effectiveness and quality of work.

### Key Features:

- Whenever the patient comes up his information is stored freshly.
- Diagnosis information to patients is generally recorded on the document, which contains Patient information. It is destroyed after some time period to decrease the paper load in the office.

- Information about various diseases is not kept as any document. Doctors themselves do this job by remembering various medicines.
- All this work is done manually by the receptionist and other operational staff and lot of papers are needed to be handled and take care of Doctors have to remember various medicines available for diagnosis and sometimes miss better alternatives as they can't remember them at that time.

## REQUIREMENT SPECIFICATION

### Functional Requirement

- A user shall be able to search the appointments lists for all clinics.
- The system shall generate each day, for each clinic, a list of patients who are Expected to appointments that day.
- Accepts submission in forms of raw patients, doctors, prescription at submit point. Performs analysis of drug inventory, patients and diagnosis treatment.
- Each user using the system shall be uniquely identified by his or her Identification number.

### Non-Functional Requirements

#### Hardware Requirements:

Processor	:	Intel Core & AMD
Processor Speed	:	2.5 GHz to 2.8 GHz
RAM	:	8 GB RAM
Hard Disk	:	1 TB

#### Software Requirements:

Operating System	:	Windows 10
Database	:	MySQL
Front End	:	IntelliJ (Java Swing), WindowBuilder Pro
Server Side	:	JDBC