**DAYANANDA SAGAR UNIVERSITY**

SCHOOL OF ENGINEERING

CAMPUS 3- KUDLU GATE

BANGALORE

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

BACHELOR OF TECHNOLOGY

**HOSPITAL MANEGEMENT SYSTEM**

**WEB PROGRAMMING**

**VIITH SEMESTER**

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**SUBMITTED BY:** **SUBMITTED TO:**

**Devansh-Awasthi (ENG17CS0065) Gousia Thahniyath**

**Deepak Purohit (ENG17CS0062) Assistant Professor**

**Chandan Lal (ENG17CS0055) Dayananda Sagar University**

**C V Vishwas (ENG17CS0054)**

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**1.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.

**2.PROBLEM STATEMENT:**

It is very important to maintain efficient software tohandle information of a Hospital. This application provides away to record this information and to access these in a simple way.

* A system to manage the activities in a hospital:

Patients request for appointment for any doctor. The details of the existing patients are retrieved by the system. New patients update their details in the system before they request for appointment with the help of assistant. The assistant confirms the appointment based on the availability of free slots for the respective doctors and the patient is informed. Assistant may cancel the appointment at any time.

**3.INTRODUCTION**

The project Hospital Management system includes registration of patients, storing their details into the system, and also computerized billing in the pharmacy, and labs. The 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

Hospital Management System 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 and critical financial accounting, in a seamless flow.

Hospital Management System is a software product suited designed to build quality and management of hospital management in the areas of clinical process analysis and activity-based costing. Hospital management system enables to develop the organization and improv its effectiveness and quality of work. Managing the key processes efficiently is critical to the success of the hospital helps you manage the processes.

**4.SOFTWARE AND HARDWARE REQUIREMENTS**

HARDWARE:

* i3 processor-based computing or higher
* Memory: 4 GB RAM
* Hard drive: 50 GB

SOFTWARE:

* Code editor: Visual studio code
* Operating System : Windows or Linux
* Backend: sqlite, python
* Frontend: Django, HTML, CSS, Java script