**HOSPITAL DATABASE**

***DATABASE SYSTEM LAB***

***MINI PROJECT***

# FOURTH SEMESTER : COMPUTER SCIENCE AND ENGINEERING

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Semester - 4

Section - A

Diagram

Description automatically generated

Graphical user interface, application

Description automatically generated

## *ABSTRACT*

## We have tried to make a Hospital management system designed by Oracle Database. Hospitals are the most important part of our lives, trying to provide the best medical facilities to people suffering from various type of illness, which may be due to change in climate conditions, increased work-load, emotional trauma stress etc. It is very difficult for the hospital to maintain its day-to-day acitivities and records manually. That is why a database is required to keep records of all type of acitivities of a hospital. A hospital database management system is an integrated system designed to facilitate the management of a hospital's daily operations. The system is designed to be used by doctors, nurses, and administrative staff to manage patient information, lab-tests to be carried out, pharmacy and other related tasks.

## *PROBLEM STATEMENT*

* A system to manage the activities in a hospital. The main function of the system is to register and store patient details and doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully.
* This function of Hospital Management Information System deals with registering the new Patient by giving unique Identification Number to the Patient. This number is unique throughout the System for identifying the patient. Identification number is also provided to doctor to retrieve and to change doctor details.
* 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.
* Some of the Main Functions include :

1. Being able to see list of infrastructure facilitie
2. Being able to see list of employees
3. Being able to see blood donation activities

* For making this database, we require details such as :

1. Doctor : name,id,age,gender,department name etc
2. Patient : name,id,age,gender,last visit,appointment,appointed doctor etc
3. Hospital infrastructure : number of blocks, number of rooms,types of rooms

**Overall, a hospital database management system can provide a comprehensive solution for managing a hospital's critical functions and improving patient outcomes.**