

# HOSPITAL MANAGEMENT SYSTEM

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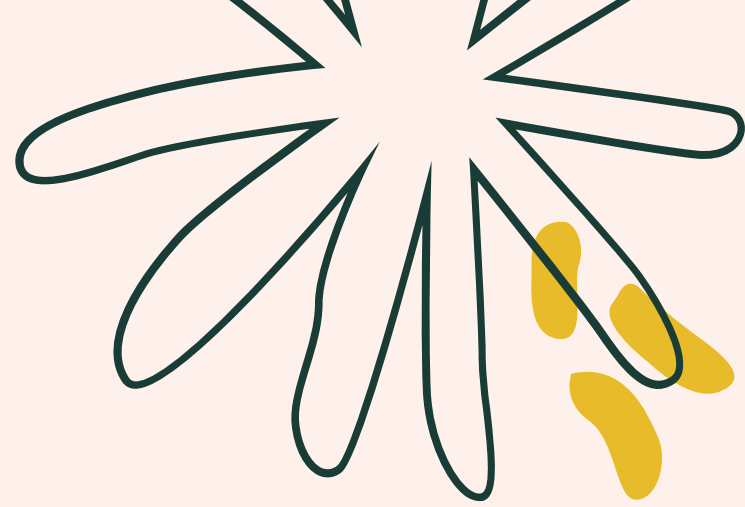
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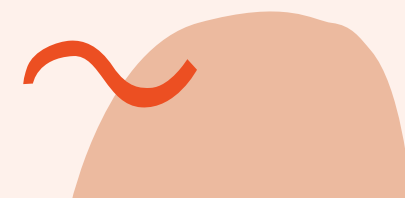


# Project specs

The software's capabilities include registration of patients, storing their details into the system, maintaining the doctor database and providing information regarding bed availability in the hospital.

The software can generate a unique id for every patient and doctor which provides for easy retrieval of the details of every patient and doctor. It includes a facility to check the current status of each database. Users can search for the availability of a doctor under a particular medical department.

The Hospital Management System can be entered using a username and password. The data is well protected for personal use and makes the data processing very fast.



# Project

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### GITHUB LINK



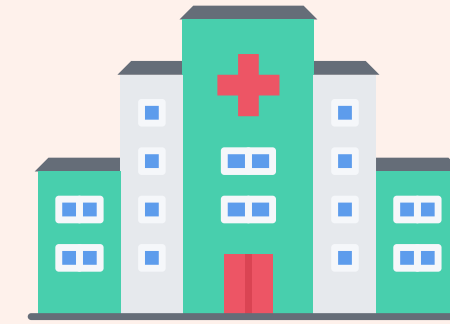
# INTRODUCTION

The main purpose of our system is to make hospital tasks easy and is to develop software that replaces the manual hospital system into an automated hospital management system.

The Hospital Management System is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to hospitals. Hospital Management System enables you to develop your organization and improve its effectiveness and quality of work.



# SCOPE

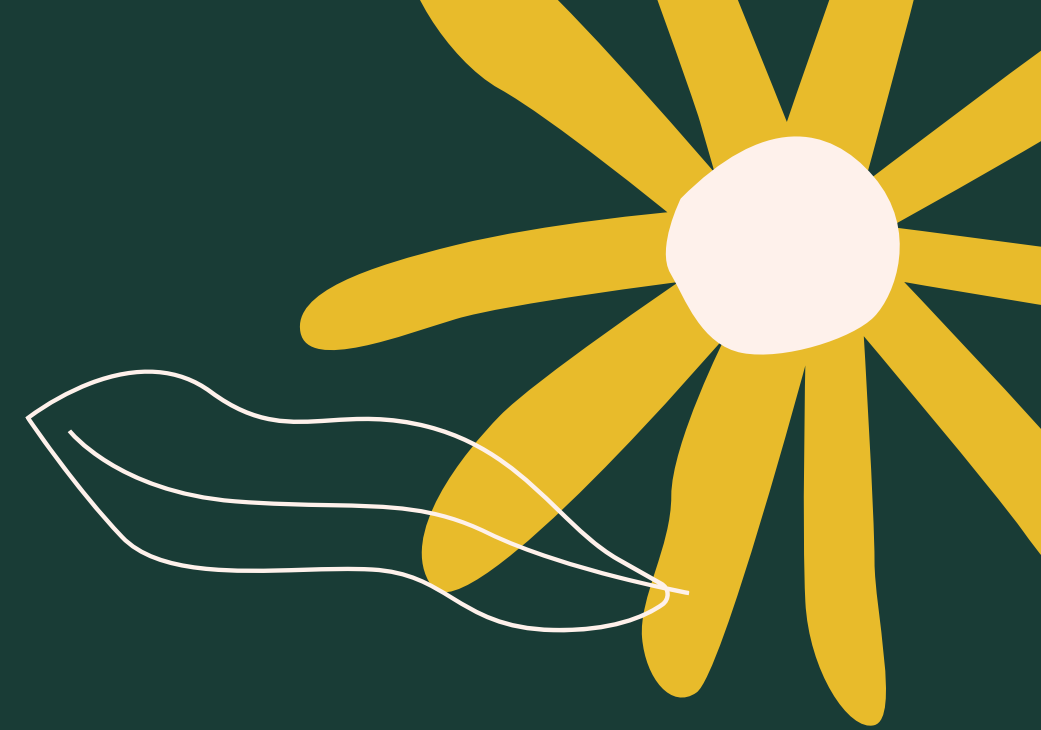


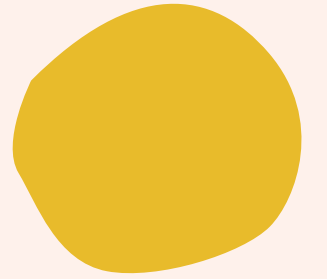
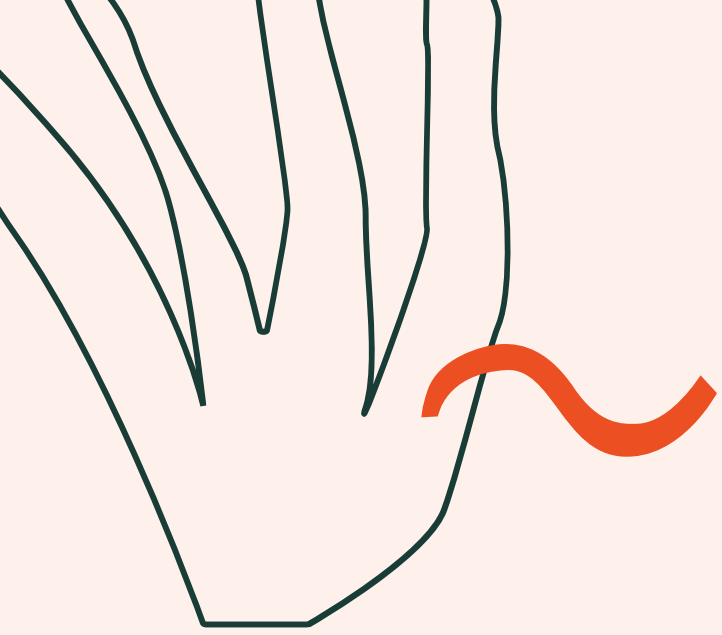
- The proposed software product is the Hospital Management system (HMS). The system will be used in any hospital, clinic, dispensary or pathology labs to get the information from the patients and then storing that data for future usages. The current system in use is a paper based system. It is too slow and cannot provide updated lists of patients within a reasonable time frame.
- The intention of the system is to reduce overtime pay and increase the number of patients that can be treated accurately.
- The document only covers the requirement specification for the hospital management system. This document does not provide any references to the other components of the hospital management system.

# Advantages

This project is made in c++ so it has some advantages.

- Data is hidden & can't be accessible by external function Secure than all other languages
- Object oriented language i.e. depends on objects rather than procedure(to make work easy and save time).
- The process is digital so the chance of error reduces to a great extent.





# PURPOSE



- To bring the organization together and to help the people associated with managing the hospital. To make their task easier with better accuracy and fast information retrieval.
- Enhances organization effectiveness. To make the day to day work easier.
- This project will contain all the activities associated with the hospital such as add the record, modify the record, & delete their record.







# OUTPUT

**WE HAVE EXPLAINED THE OUTPUT WITH  
SCREENSHOTS IN THE PDF LIKE BELOW.**



SCREENSHOTS OF THE OUTPUTS





# CONCLUSION

The project Hospital Management System (HMS) is for computerizing the working in a hospital. It is a great improvement over the manual system. The computerization of the system has speed up the process. In the current system, the front office managing is very slow.

The hospital managing system was thoroughly checked and tested with dummy data and thus is found to be very reliable. The software takes care of all the requirements of an average hospital and is capable to provide easy and effective storage of information related to patients that come up to the hospital

It generates test reports and also provides the facility for searching the details of the patient. It also provides billing facility on the basis of patient's status whether it is an indoor or outdoor patient. The system also provides the facility of backup as per the requirement.



# FUTURE ENHANCEMENTS



- In the proposed system we can enhance this system by including more facilities like a pharmacy system for the stock details of medicines in the pharmacy.
- We can also add the features of the billing system to store the data of all the payments done.



# LIMITATIONS



- The size of the database increases day-by-day, increasing the load on the database backup and data maintenance activity.
- Training for simple computer operations is necessary for the users working on the system

