

# MINI PROJECT REPORT





## **Mini project title:**

“Hospital Management System”



## **Details of group members:**

<b>USN</b>	<b>NAME</b>	<b>SEMESTER</b>	<b>BRANCH</b>
1MV19IS015	LAHARI C	3	ISE
1MV19IS018	DEEPANSHU BACHLOO	3	ISE
1MV19IS039	NEHA S G	3	ISE
1MV19IS062	VAISHNAVI R	3	ISE

# **PROJECT OVER VIEW / BACKGROUND**

## **• INTRODUCTION**

Hospital is the essential part of our lives, providing best medical facilities to people suffering from various ailments, which may be due to change in climatic conditions, due to work load, emotional trauma stress etc.

It is necessary for the hospital to keep track of its day-to-day activities and records of its patients, doctors, nurses, ward boys and other staff personals that keep the hospital running smoothly and successfully.

But keeping track of all the activities and their records on the paper is very cumbersome and error prone. It is also is very inefficient and a time-consuming process Observing the continuous increase in population and number of people visiting the hospital.

## **• Reason for selection of the project**

Recording and maintaining all these records are highly unreliable. Thus, to keeping the working of the manual system as the basis of our project.

The main aim of our project is to provide a paper-less hospital up to 90%. It also aims at providing low-cost reliable automation of the existing system.

## • **Objective**

Main objectives of hospital management system are to design a system for better patient care.

To computerize all details regarding patients details and hospital details.

Scheduling the appointment of patient with doctors to make it convenient for both. The information of the patients should be kept up to date and their record should be kept in the system for historical purposes.

## • **Problem statement**

It is very important to maintain efficient software to handle information of a hospital. This application provides a way to record this information and to access these in simple way. There are two system: -

**Existing system:** The existing system provide the basic functionalities needed to be handled management environment. There is no intelligence of the software in such cases. In the existing system all the patient details doctor availability details and regarding test done to the patients prescribed by the doctor is maintaining manually by the receptionist. If the patient as to be admitted we need to cheek the availability of the bed which consumes lots of time if done manually.

**Proposed system:** were as in this system, we are going to provide solutions to all the above-mentioned problems by automating the whole hospital management system by using an integrated software that handle the whole system

- **Benefits to the surrounding / society:**

Hospital management system is a medical information solution element that mainly focuses on the hospital administration requirements. The HMS is a web-based or computer application that takes care of the complete hospital functionalities. The integrated system can be customized and are developed to control all hospital operations like patient details, appointment booking, billing so on.

Some of the top benefits of implementing an HMS are role-based access control, data accuracy, revenue management, over all cost reduction and data security.

## • **Advantages and Disadvantages of hospital management system:**

The main advantage of hospital management software is to automate the business process of a hospital and lower the expenses. Some functionalities can be managed with the lower staff efficiently and timely.

Easy access to patient data.

Cost effective.

Improve deficiency.

Reduces scope of error.

Increase data security and retrieve ability.

Improve patient care.

Improve data security.

Better revenue management.

And the main disadvantage is a compromise on the security of information and dependency like incase of a system crash, running operations would seem a difficult task.

Included reducing access.

Reducing the rate of hospital admissions.

Increasing employees work load.

Dissatisfaction.

## **Hardware Requirements:**

Laptops with 8gb RAM, 256 SSD

Pen drives with the storage capacity of 2 GB

## **Software Requirements:**