

## **PROBLEM STATEMENT**

We don't have time to wait in the extremely long medical lines in this busy world.

The issue is that hospital wait times are usually handled manually by administrative staff. After receiving a token, we must wait our turn to speak with a doctor. The most annoying part is that, after traveling a considerable distance, we find out that the doctor is either unavailable or on leave.

HMS will help us overcome all these problems because now patients can book their appointments at home, they can check whether the doctor they want to meet is available or not. The main goal is to computerize all the details regarding the patient and the hospital. The installation of this healthcare software results in improvement in administrative functions and hence better patient care, which is the prime focus of any healthcare unit.

### **Benefits of implementing a hospital management system:**

- **Appointment booking**

- Helps patients cut the long queue and saves their time
- Is equipped with features like automated email

- **Role-Based Access Control**

- Allows employees to access only the necessary information to effectively perform their job duties

- **Overall cost reduction**

- Cuts down paper costs as all the data are computerized
- No separate costs for setting up physical servers

- **Data accuracy**

- Removes human errors
- Alerts when there's a shortage of stock

## PROCESS MODEL

Hospital Management System follows INCREMENTAL MODEL because initially software requirements are reasonably well defined but the overall scope of development effort is a purely linear process. There may be other requirements of the user which will be known later. So, those requirements can be implemented and delivered in the following next increments.

