# **HOSPITAL** MANAGEMENT SYSTEM

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CHAPTER 1 : INTRODUCTION TO HOSPITAL MANAGEMENT SYSTEMS

Hospital Management System is a system enabling hospitals to manage information and data related to all aspects of healthcare, processes, patients, and more, which in turn ensures that processes are completed swiftly and effectively. when one thinks of the various aspects and departments of a hospital, it becomes apparent that an HMS is critical. The hospital database management system was INTRODUCED IN 1960, and has greatly evolved since then- with the ability to integrate with the existing facilities, technologies, software, and systems of a hospital . Today, patients can begin the process of healthcare in the palm of their hand -the mobile devices and apps -make this possible. This process then moves to the healthcare providers and hospitals.

CHAPTER 2 : APPLICATIONS OF HOSPITAL MANAGEMENT SYSTEMS

With the large amounts of data, people invoked and innumerable processes, a hospital is definitely an ideal candidate for data management software. If hospitals are to run efficiently , provide top line , ensure patients and other confidentiality ,and work seamlessly -they cannot hope to so without an effective HOSPITAL MANAGEMENT SYSTEM SOFTWARE. Reduced human intervention for paper work, less paperwork, reduced staff headcount for jobs that can be easily managed within the HMS, speedier processes, reduction of errors, and data privacy and safety- are just some of the benefits of a HOSPITAL MANAGEMENT SYSTEM

For the hospitals, HMS translates to being able to track patient history, provide better care, keep track of appointments, save patient insurance and payment data, enable doctors and clinicians to check patient history, maintain patient care continuity, and save time effort on unneccesary tedious manual tasks. This ELECTRONIC MEDICAL RECORD (EMR) OR HEALTH RECORD (EHR). Is the journey of a patient with the hospital -keeping track of the date of every visit, doctor consulted, medicines, and advice prescribed, and other information for the patient. This ensures that even if a patient visits after a long break, the patient and the hospitals will not require going through the registration process again

Hospital records are easily audited and kept compliant with policies and laws .in addition, the HOSPITAL MANAGEMENT SYSTEM is cost effective -it reduces the need for staff to manage manual entries, manage paperwork, and ensure accurate filling. This in turn significantly reduces the possibility of human error, which can prove costly on many counts. Another significant benefit / factor of the HMS is it customizable to the needs and requirements of a particular / healthcare facility

1. APPOINTMENT MANAGEMENT :

Managing appointments manually is not only tedious, but also increases the chance of making error. Even in a recent study 68% of patients said they were more inclined to choose a hospital where they could schedule, modify, or cancel appointments online.

This hospital management system module enables you to add a scheduling option to your hospital’s website so that patients can easily schedule an appoitment. Once your patient has booked an appointment, the HMS software for hospitals will match the patient’s illness to the doctor’s area of expertise .it will then assign them to the next available specialist or the one they prefer. It also updates the available slots in real-time to avoid any confusion at the hospital.

The next step in appointment booking is to collect medical documents.man HMS with a patient portal is used to collect documents and share the patient history with the doctors well in advance. If the patient requires assistance at his/her house, the system will check the doctors’ availability for the remote visit and allocate accordingly. In this way, you can create a smooth and error-free process by digitizing appointment booking process.

1. PATIENT MANAGEMENT :

After the patient onboarding is completed , the patient is moved to an IPD OR OPD. The patient management module of HMS caters to the needs of the inpatient and outpatient department it captures and stores the medical history, treatment required, details of their previous visits, upcoming appointments, reports, insurance details, and more.

Patient management software also generates unique admissions numbers for each patient to easily manage admissions discharges, and transfers. It also builds a comprehensive discharge summary to ensure smooth discharge. At the same time, it records and generates related documents, e.g.,, consent forms for electronic signature

When you start collecting and storing details on hospitals software systems, by default you also eliminate the need to get these details on every visit. HMS enables doctors and staff to focus more on the treatment than administrative work

Now, if you wish to automate other activities like patient communication, consider integrating your HMS with MARKETING AUTOMATION SOFTWARE such as LEADSQUARED. IT will enable you to automate communication with patients and doctors. You can send appointments and lab test reminders, or follow-ups, and build meaningful long-lasting relationships

1. FACILITY MANAGEMENT:

TO provide a smooth experience for your patients, it is essential to necessary hospital records. A facility management module of healthcare management system helps you to maintain records of bed availability, occupancy status of rooms with specialized care, and more.

Healthcare management systems collects all such information and makes it readily available to your receptionist

If you have multiple facilities, then an HMS connects them to provide an overall picture. For example, doctors can access patient data from any hospital using an online hospital management system. Patients can visit any hospital according to their convenience, as all the records are available online

1. STAFF MANAGEMENT:

The staff management module provides a concrete solution to the HR department. It contains records of your staff, job description, service domain, and other vital details.

It helps you to know your staff without going through a heavy bundle of files, Additionally, it enables you to plan the hiring process based on the requirements of the hospital.

1. SUPPLY MANAGEMENT:

A Hospital cannot afford to be short of medical supplies. Not having the medicine at the right time or a minor delay in re-fill can lead to severe results. The supply management component of the HMS tracks the availability of medical stocks. It helps you calibrate the minimum quantity of supplies required without any hassle. It records the purchase date, quantity consumed, and supplier details. This way, you calculate or predict next purchase and reorder before the stock falls short. It also provides the details of the medicines available so that doctors can prescribe the ones in stock.

1. FINANCIAL MANAGEMENT:

The financial management component of an HMS deals with the expenses, incurred by the hospital, revenue data, and other financial details of the hospital.

This consolidation saves you the trouble of analyzing a colossal pile of record books.

1. INSURANCE MANAGEMENT:

The HMS’ insurance management component records and stores patients’ insurance details. On requirement, it presents the policy number, insurance company, and other associated information.

The hospital management software makes it easy to fetch these details, making insurance validation easier.

1. LABORATORY MANAGEMENT;

The laboratory management feature of hospital management software shows the details of various lab tests patients take. It furnishes reports when needed and maintain all records collectively. The doctors can easily access it.It also notifies the doctor and the patients when the results are ready.

1. REPORT MANAGEMENT:

Report management module, records and stores all the reports generated by the hospital.

In case of financial reports, it analyzes performance metrics to check the business profitability. It also provides a comparison between performance reports for different years. An authorized person can these hospital management systems whenever required.

Furthermore, you can use health dashboards to present these reports in an easy-to-read format.

1. VACCINATION MANAGEMENT:

A vaccination model of hospital software keeps track of a the completed or upcoming

Vaccinations. It updates you about upcoming vaccinations and books a slot with the doctor. It also sends timely reminder to parents to ensure they don’t miss the slot.

1. SUPPORT MANAGEMENT:

PATIENT SATISTACTION is of utmost importance for any hospitals. This segment records data like inquires, complaints, request, and feedback from patients. It also ensures that you handle these request and problems

Appropriately and at the soonest. You can automate the feedback collection process to reduce the staff’s workload, and everyone could fill out the feedback form.

HMS was introduced to solve the complications coming from managing all the paper works of every patient associated with the various departments of hospitalization with confidentiality. HMS provides in one place, reducing the work of staff in arranging and analyzing the paperwork of the patients. HMS does many works like;

1. Maintain the medical records of the patient
2. Maintain the contact details of the patient
3. Keep track of the appointment dates
4. Save the insurance information for later reference
5. Tracking the bill payments

The advantages of HMS can be pinpointed to the following;

1. Time saving Technology
2. Improved Efficiency by avoiding human errors
3. Data security and correct data retrieval made possible
4. Cost effective and easily manageable
5. Easy access to patient data with correct patient history
6. Improved patient care made possible
7. Easy monitoring of supplies in inventory
8. Reduces the work of documentation
9. Better adult controls and policy compliance

This summarizes the use of a HOSPITAL MANAGEMENT SYSTEM IS OUR SOCIETY TODAY.