

Software Engineering Lab

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Course code: CSE1005

Project: Hospital Management System

Overview of the project

Hospital management system is a computer system that helps manage the information related to health care and aids in the job completion of health care providers effectively.

HMS came into the picture of hospital management as early as 1960 and have ever since been evolving and synchronizing with the technologies while modernizing healthcare facilities. In today's world, the management of healthcare starts from the hands of the patients through their mobile phones and facilitates the needs of the patient.

Why Computerized?

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

Identification of Project Scope

Hospitals and healthcare centers have undergone a change for its betterment. The administrations of the healthcare sector are opting IT solutions for the better management and patient care in their hospital campus. Have a look at some salient features of hospital management software.

Daily functions like patient registration, monitoring blood bank, managing admission and overall management of various departments can be easily performed with higher accuracy after the installation of hospital software.

The modules of hospital management software are user-friendly and easy to access. It has a common user-friendly interface having several modules. The officials can utilize these modules in their processes without any hassle and make the best possible use of the hospital management system.

Since every hospital has some or the other points of worth, those vary in comparison with its competitors. Hence, most of the IT companies give on-demand solutions or features of customization. It further implies that hospital information management software can be customized by specifying personal requirements of the campus.

The automated functions of hospital management software make productivity effective. This software solution has automated operations and permits officials to continue with their work in a swift manner. It further implies that complete automation of the hospital software makes productivity easily obtainable. All in all, this enhances the infrastructure of hospital administration.

This tool is a comprehensive solution that integrates all the departments by creating a common platform. In brief, the hospital management system has all the modules that serve the purpose of all the departments of the healthcare institute. In fact, these modules have been competitively designed to make all the operations simplified.

Task Involved

- (1) Maintain the medical records of the patient
- (2) Maintain the contact details of the patient
- (3) Managing room booking and information
- (4) Keep track of the appointment dates
- (5) Save the insurance information for later reference
- (6) Tracking the bill payments.