

SMART HOSPITAL MANAGEMENT SYSTEM

ABSTRACT

The purpose of the project entitled as “Smart Hospital Management System “. Is to computerize the Front Office Management of Hospital to develop software which is user friendly simple, fast, and cost – effective. It deals with the collection of patient’s information, diagnosis details, etc. Traditionally, it was done manually. The main function of the system is register, store patient details, doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully System input contains patient details, diagnosis details, while system output is to get these details on to the screen. The Hospital Management System can be entered using a username and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The data are well protected for personal use and makes the data processing very fast.

I. INTRODUCTION

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 is designed for multispecialty hospitals, to cover a wide range of hospital administration and management processes. It is an integrated end-to-end Hospital Management System that provides relevant information across the hospital to support effective decision making for patient care, hospital administration and critical financial accounting, in a seamless flow.

Hospital Management System is a software product suite designed to improve the quality and management

of hospital management in the areas of clinical process analysis and activity-based costing. Hospital Management System enables you to develop your organization and improve its effectiveness and quality of work. Managing the key processes efficiently is critical to the success of the hospital helps you manage your processes.

II. PROBLEM BEFORE USING THE SYSTEM

- Lack of immediate retrievals of Information.
- Lack of immediate information storage.
- Lack of prompt updating.
- Error prone manual calculation.
- Unorganized Patient data registration.
- Unorganized work flow of every activity.
- Ineffective Staff management system and control mechanism.
- Manager unable to control effectively every system in hospital, clinic, pharmacy and the like.
- Limitation of medical equipment to address to all hospital, clinic, health center etc...
- Take time until get patient get doctor.
- Unorganized financial system.
- Preparation of accurate and prompt reports.

III. OBJECTIVES

- Define hospital.
- Recording information related to diagnosis given to Patients.
- Keeping record of the Immunization provided to children/patients.
- Efficient Management of Hospital, clinic and health institution.
- The capability of delivering efficient business solutions for focused health institution.

- Multi-level distributed hospital information system.
- Cover a wide range of hospital administration and management processes.
- A revolutionary solution with end-to-end features for simplifying hospital management. Which provides the fastest service.

IV. ADVANTAGES

- User-friendly, easy-to-use & easily integrated with web application.
- Total responsibility for the solution provided.
- Easily maintainable and interface with medical equipment.
- The system advised doctor how the patient treated.
- Scalability and extensibility.

V. SPECIAL FUTURES

- Show the drug specification in detail like by Dosage limits with age, sex, the drug use, the common side, possible side, drug alternative, synonymous, Brand Name.
- By one ECG machine use for different branch.
- The system advice in patient serve as doctor.

- Have chat application the doctor to discuss with other staff.

VI. CONCLUSION

- Hospital Management System not only provides an opportunity to the hospital to enhance their patient care but also can increase the profitability of the organization.
- Hospital Management System would enable hospitals or Nursing Homes to serve the rapidly growing number of health care consumers in a cost-effective manner.
- Hospital Management System can also save extra money on your current computer hardware shopping. Check up with our executive to more on this.
- Hospital administrators would be able to significantly improve the operational control and thus streamline operations.
- This would enable to improve the response time to the demands of patient care because it automates the process of collecting, collating and retrieving patient information.
- Accounting sometimes becomes awfully pathetic and complex. This product will eliminate any such complexity, since the retrieval of information through its management information system will become virtually on the tip of your fingers.