HOSPITAL MANAGEMENT SYSTEM

Database Management System

Guided By:

Mr. N.J. Misal

Introduction

Hospital Management System provides the benefits of enhanced administration & control, superior patient care, strict cost control and improved profitability.

HMS is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to hospitals. More importantly it is backed by reliable and dependable support.

Objectives

Design a system for better patient care.

Reduce hospital operating costs.

Provide MIS (Management Information System) report on demand to management for better decision making.

Better co-ordination among the different departments.

The information of the patients should be kept up to date and there record should be kept in the system for historical purposes.

Need of HMS

- To keep track of hospitals day-to-day activities & records of its patients, doctors that keep the hospital running smoothly & successfully there is need of Hospital management System.
- To digitalize all the version of the manual system.
- To provide a paper-less hospital up to 90%, i.e. To provide low-cost reliable digitalization of the existing systems
- To digitalize, the process of day-to-day activities like Registering New Patient, Assigning a Doctor to new patient, Adding new staff members, and finally compute the bill etc.
- To provide excellent security of data at every level of user-system interaction and also to provide robust & reliable storage facility.

Proposed System

The new system is to control the following information:

1. Patient information
2. Doctor availability
3. Appointment system
4. Patient prescription
5. Medication History

These services are to be provided in an efficient, cost effective manner, with the goal of reducing the time and resources currently required for such tasks.

Technologies Used

Proposed System

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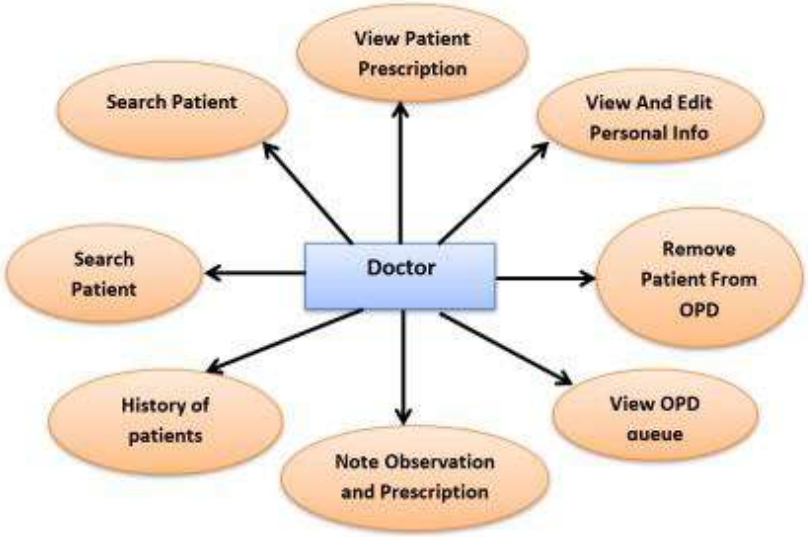
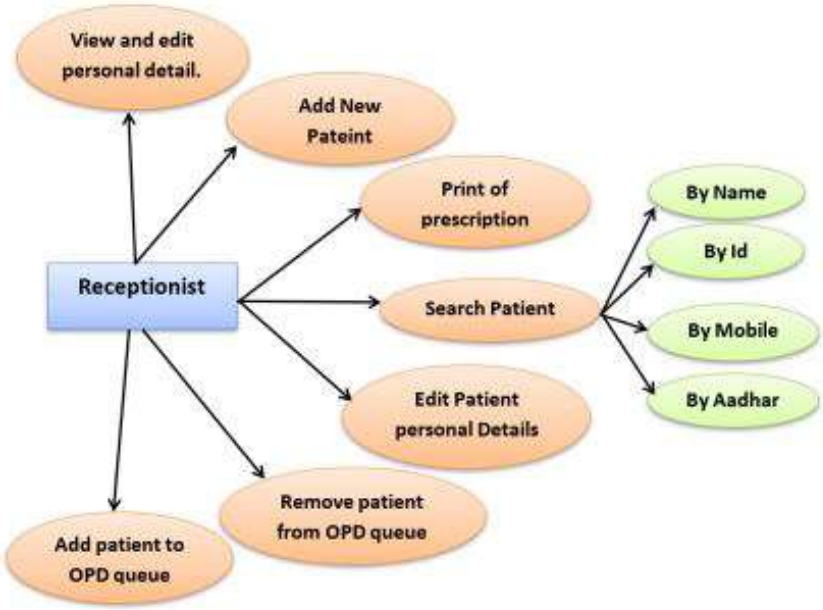
Modules in HMS

1. ADMIN MODULE
2. RECEPTIONIST
3. DOCTOR MODULE

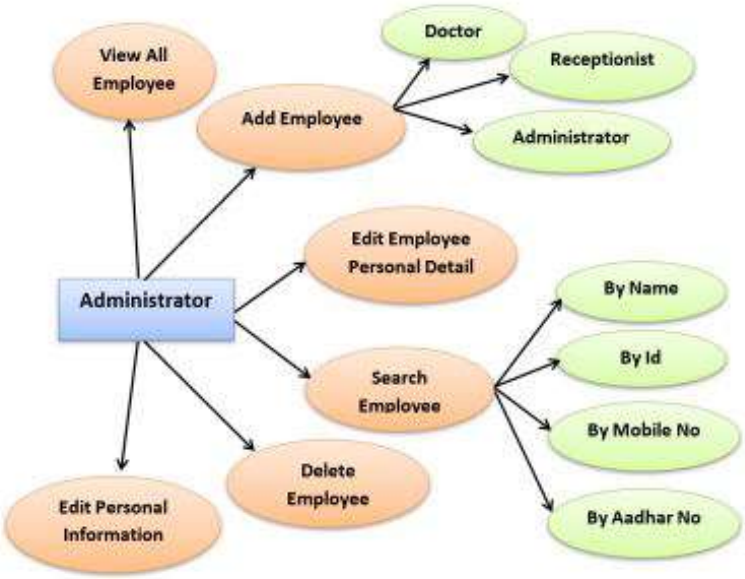
Features of Doctor Module



Features of Receptionist Module



Features of Administrator Module



Benefits of HMS

1. Makes prescription readable and understandable to patients.
2. Eliminate redundancy in term of data storage. Data will be stored in a computer not heap of files.
3. Reduce the time wasted in retrieving data especially in finding a past health records.
4. Increase Efficiency and Interactivity in any area of specialization in the hospital.
5. Able to quickly collect and edit data, summarize result and adjust as well as collect errors promptly.
6. Uses Bcrypt encoding technique to store passwords hash for secure logins
7. For small or middle scale hospitals.

Future Scope

- To include Patient module
- To manage IPD section

Team Members

Jamir shah

param sultane

poonam bairagi