

Mohanlal Sukhadia University



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Project Synopsis ERP for Sohn Mariens Hospital

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PROJECT TITLE:

ERP FOR SOHN MARIENS HOSPITAL AND LABS



Project Duration:

2-3 months

Introduction to the Project:

The aim of developing ERP for a hospital system is to replace the traditional way of managing the information related to health care and aids in the job completion of health care providers with computerized system. Another important reason to introduce HMS was to solve the complications coming from managing all the paper works of every patient associated with the various departments of hospitalization with confidentiality.

ERP for a hospital system has a very large scope. This PHP project can be used by any hospital or clinic for keeping the records of their patients, staff and other assets. This project is easy, fast and accurate. It requires less disk space. Online Hospital Management System uses MySQL Server as backend so there is not any chance of data loss or data security.

Aim of the project:

The aim of the proposed system is to develop a system of improved facilities for managing the assets in a hospital, pharmacy and diagnostic labs. The proposed System overcomes all the limitations of the existing system. The system provides proper security and reduce the manual work.

Technology used:

Languages: HTML5, CSS3, JavaScript, JQuery, PHP, SQL

Database: MySQL Database

Technical Requirements:

Hardware Requirement:

Processor: Intel i3 4th gen

Ram: 512 MB

Hard Disk: 80 GB

Software Requirement:

Operating System: Windows 10, Windows 8, Windows 8.1, Ubuntu 20.04

Text Editors: Sublime Text 3, Visual Studio Code, Notepad++

Project Modules:

Patient Registration: When a patient arrives in the hospital, this module is used to enter the details of the patients in the hospital database.

Appointment Creation: If a patient asks to get an appointment with a doctor this module is used to creates an appointment for the patients.

Appointment Handler: In case of any changes to the appointment, this module is used to update and delete appointments

Visitor Registration: If a person comes to visit a patient, this module enters the details of the visitor.

Parcel Registration: Whenever a parcel or package arrives at the hospital, this module is used to enter the details in the parcel registration module.

Employee Registration: Whenever a new employee, whether doctor or other staff, is employed at the hospital, this module is used to register their information in the employee registration database.

Employee Record Handler: In case of any change or inquiry, this module handles the updates in employee records.

Duties Assignment: Assigns the duties for the day of the week for each doctor.

Prescription Creation: Creates a prescription for the patients.

Prescription Update: Updates the pre-existing prescription to add medicines and doses for each patient.

IT Department: This module is used to create, delete, modify and handle login IDs and passwords for all users in the organization.

Diagnostic Lab Manager: This module is used to handle the daily activities of the Diagnostic Labs.

Pharmacy: This module is used to handle the daily activities of the in-house pharmacy.

Project Features:

- Manages the information of patients and staff members.
- Displays the information and description of patients and staff members.
- Exports the pdf for the patient lab reports, discharge papers.
- Access any information individually.
- Work become very fast.
- Robust database Back-end.
- Equipped with better storage facility

Future Scope:

- We can Maintain Master and slave database structure to reduce the overload of database queries
- Implement the backup mechanism
- Implement the in-house Payment Mechanism for more Secure Transaction

The Above Mentioned point are the Enhancement which can be done to increase the applicability and usage of project.