

A
PROJECT REPORT

On

“Patient Management System”

SUBMITTED TO
GODAVARI INSTITUTE OF MANAGEMENT AND
RESEARCH, JALGAON

AFFILIATE TO
KBC NORTH MAHARASHTRA UNIVERSITY, JALGAON
2023-2024



GUIDANCE OF
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Miss. Vaishnavi Sisode

(BATCH 2023-2024)



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C E R T I F I C A T E

This is to certify that the content of this Field project " DISEASE PREDICTION SYSTEM " by Mrs. Sagar Ramesh Patil & Vaishnavi Hemkant Sisode is the bonafide work of him/her submitted to the Godavari Institute of Management & Jalgaon, for consideration in the partial fulfilment of the requirement for the degree of Master of Business Administration under the Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.

This work done by him/her is original and satisfactory.

(Project Guide)

Prof. Charushila Chaudhari

(Director)

Dr. Prashant S. Warke

ACKNOWLEDGEMENT

I have pleasure in successful completion on this field work/project report titled "Patient Management System " for academic year 2023-2024.

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I also pay my sincere thanks to all those who have directly or indirectly helped me in completion of my project till preparation of this report.

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Sign:

Patient Management System

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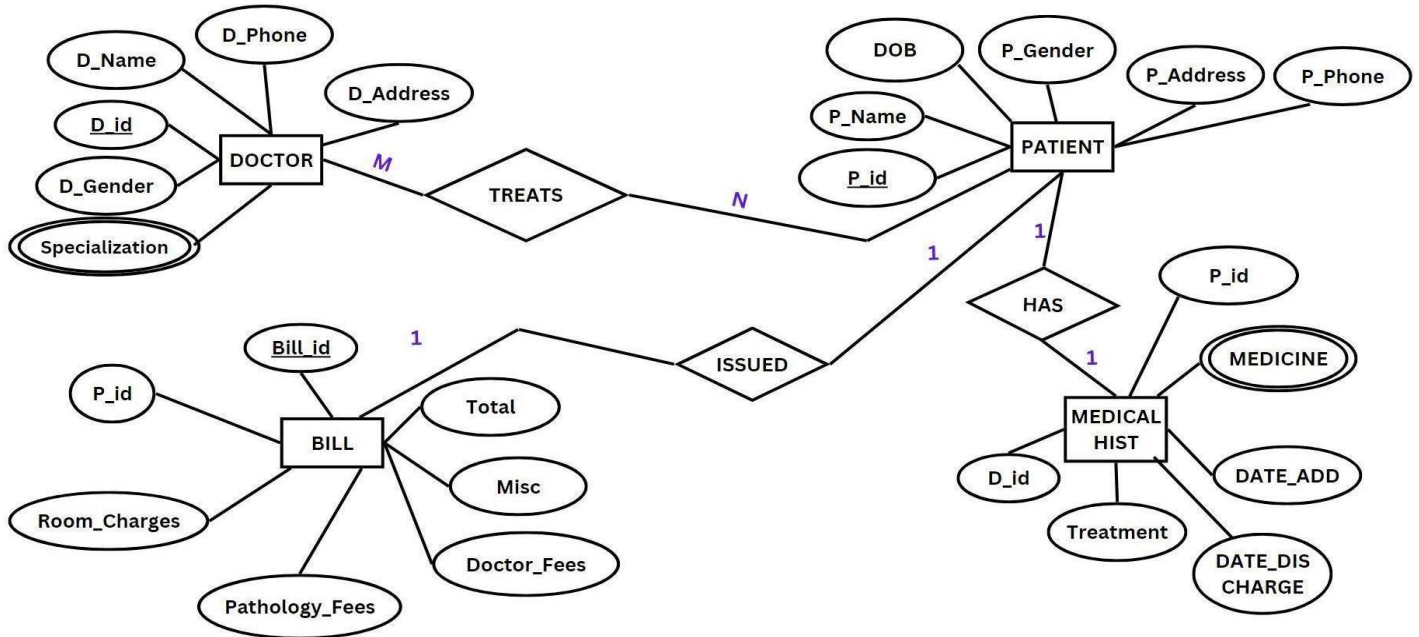
Introduction

The “Patient Management System” is aimed to develop to maintain everyday state of admission/discharge of patients, list of patients, report generation, treatment details, billing and etc.

The objective behind this is to computerize all the information regarding patients, scheduling the services of specialized doctors and emergencies properly such that all the facilities provided by the hospital are utilized fully, make the functioning efficient and effective enough such that it benefits the patients as well as the hospital, keeping the details of patient up to date and if the medical store issues any medicine to the patients then a track of all the bills including any other charges will be kept for the respective patient.

Project Design

ER Diagram



Database Schema

Patient → (P_id, P_name, dob, P_gender, P_Address, P_phone)

Doctor → (D_id, D_name, D_gender, D_address, D_phone, Specialization)

MedHist → (Treatment, Medicine, Date_add, Date_discharge, P_id, D_id)

Bill → (B_id, Room_charges, Pathology_fess, Doctor_Fees, Misc, Total, , P_id)

Implementation

1. Database Schema

The Patients table stores information about the patients, including their ID, name, age, address, and contact number. The Doctors table stores information about the doctors, including their ID, name, specialization, and contact number. The Medical_History table stores information about the patients' medical history, including the doctor who provided the treatment, the date of the visit, the diagnosis, and the treatment given. The Bills table stores information about the bills generated for the patient, including the bill amount and the date of service.

2. Database Setup

To set up the database, the following steps can be taken:

Create a new database in the DBMS.

Create tables using the schema defined above.

Create indexes on the primary and foreign keys to optimize queries.

3. Data Entry and Update

To enter and update patient data, doctor data, and medical history, the following forms can be created:

Patient Form: This form allows the admin user to enter and update patient data, including their name, age, address, and contact number.

Doctor Form: This form allows the admin user to enter and update doctor data, including their name, specialization, and contact number.

Medical History Form: This form allows the admin user to enter and update the patient's medical history, including the doctor who provided the treatment, the date of the visit, the diagnosis, and the treatment given.

4. Bill Calculation:

To calculate the bill for the patient, the following steps can be taken:

Retrieve the patient's medical history from the Medical_History table.

Calculate the total bill amount based on the treatment given.

Insert the bill amount and the date of service into the Bills table.

5. Security Features:

To implement security features, the following steps can be taken:

Create an admin user account with a strong password.





Grant the admin user the necessary permissions to add, update, and delete data in the database.

Restrict access to sensitive data, such as patient medical history, to the admin user only.

Snapshots

Home Page

[PMS](#) [Home](#) [Doctors](#) [Patients](#) [Medical History](#) [Bills](#) [Update](#) [Log out](#)



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ABOUT US

The Patient Management System is aimed to develop to maintain everyday state of admission/discharge of patients, list of patients, report generation, treatment details, billing and etc.

LINKS


- [Home](#)
- [Patients](#)
- [Doctors](#)
- [Medical History](#)

CONTACT

info@patientmanagementsystem.com
At Post Unatawad
Tal. Shirpur Dist Dhule
India 425405

Patient Registration Page

[PMS](#) [Home](#)



Patient Registration Form

Name:

Date of Birth:

Gender: ☐ Male ☐ Female


Email:

Phone Number:

Address:

Doctor Registration Page

PMS Home



Doctor Registration Form

Name:

Date of Birth:

Gender: ☐ Male ☐ Female

Specialisation:


Phone Number:

Address:

Doctor ID	Name	DOB	Gender	Address	Specialization	Phone
1	Sneharsh Karkar	1992-05-10	male	Goa	Cardiologist	8976541209
2	Vijay Dossai	1985-02-01	male	Panaji	Physiotherapist	9912020304

Medical History

PMS Home



Medical History

Doctor ID:

Patient ID:

Date of Admission:

Date of Discharge:

Medicines:

Treatment:

The record was inserted successfully.

Doctor ID	Patient ID	Date of Admission	Date of Discharge	Medicines	Treatment
1	1	2018-03-11	2018-04-12	Nitroglycerin, Morphine, Aspirin	Cardiac CT or MRI
1	2	2008-02-10	2008-03-15	Pain Killers	Rib Fracture

Billing Page

PMS Home

Bill Details

Bill ID:

Patient ID:

Pathology Fees:

Room Fees:

Misc:

The record was inserted successfully.

Bill ID	Patient ID	Pathology Fees	Room Fees	Miscellaneous	Total
1	1	250	1000	150	1400
2	2	500	1500	150	2150


Updating Options




PMS Home Doctors Patients Medical History Bills Update [Log out](#)

Update Patient

Update Doctors

Update Medical History





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localhost/projectsagar/Project/PMS/Candidates/home.html#

Conclusion

In conclusion, the Patient Management System is a vital tool for medical professionals, and its effective application can result in better patient care and more efficient medical procedures. The project report is an invaluable tool for healthcare providers and system developers since it offers a thorough overview of the system's capabilities and prerequisites for its implementation.

References

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