

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



Skills Based Project Report

on

Hospital Management System

Submitted by:

Karn Shrma

0901CA211026

Mentor:

Dr. Parul Saxena

(Assistant Professor)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

GWALIOR - 474005 (MP) est. 1957

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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CERTIFICATE

This is certified that KARN SHRMA (0901CA211026) has submitted the project report titled hospital **Management System** under the mentorship of **Dr. Parul Saxena** (Assistant Professor), as the skills based mini project in 1st year of Master of Computer Application in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.



Dr. Parul Saxena
(Assistant Professor)
Computer Science and
Engineering

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DECLARATION

I hereby declare that the work being presented in this project report, for the fulfilment of partial requirement of the skills based mini project in 1st year of Master of Computer Application in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Dr. Parul Saxena**, (Assistant Professor), MITS Gwalior.

I declare that I have not submitted the matter embodied in this report anywhere else.

KARN SHRMA

Karn Shrma

0901CA211026

1st Year,

Master of Computer Application,
Computer Science and Engineering

ACKNOWLEDGEMENT

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary project. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

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KARN SHRMA

Karn Shrma

0901CA211026

1st Year,

Master of Computer Application,
Computer Science and Engineering

ABSTRACT

Hospital Management System is an organized computerized system designed and programmed to deal with day-to-day operations and management of hospital activities. The program can look after inpatients, outpatients, records, database treatments, status illness, billings in the pharmacy, and labs.

CONTENTS

COVER PAGE.....	I
CERTIFICATE.....	II
DECLARATION.....	III
ACKNOWLEDGEMENT.....	IV
ABSTRACT.....	V
CONTENTS.....	VI

TITLE	PAGE NO.
Chapter 1 : Introduction.....	1
Chapter 2 : Problem Definition.....	2
Chapter 3 : ER Diagram.....	3
Chapter 4 : Table Description.....	4-5
Chapter 5 : Sample Queries.....	6
Chapter 6 : Conclusion.....	7
Chapter 7 : Bibliography.....	8

1. INTRODUCTION

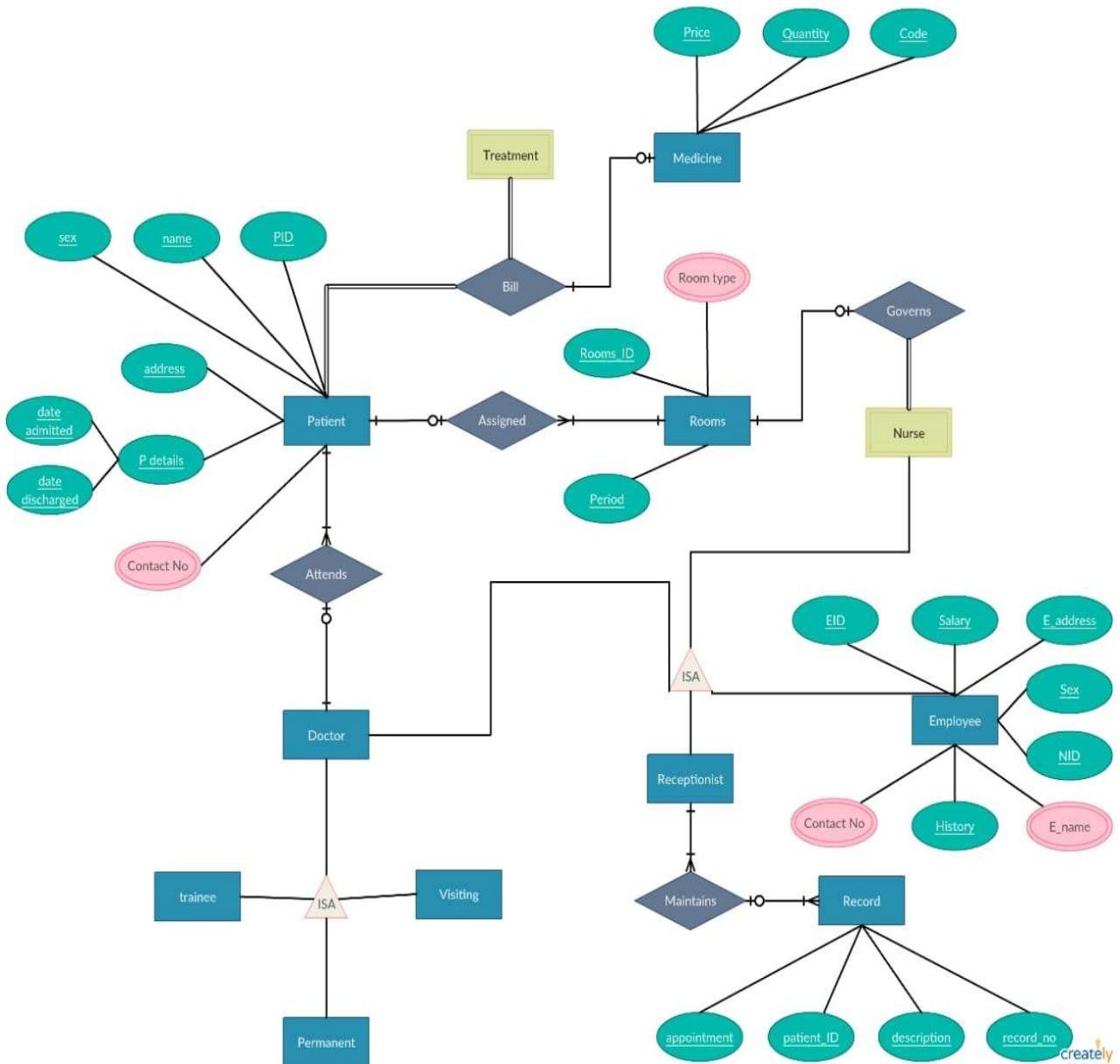
The Hospital management System is developed to decrease the work that is done manually at Hospital centers. Every single step is done with the help of system, services such as employee registration , editing of different types such as employees , students into database , inquiries as well as complaints of customers. This Hospital management System will help in reducing lots of paper work and file work in these hospitals which will make easy management of hospital. It will also provide all the latest information to the management and hospital administration wherever they ask. Hospital management System also include the pharmacist where anyone can inquire about the drugs availability and the stock to be ordered as well as about its expiry date.

2. PROBLEM DEFINITION

A system to manage the activities in a hospital: Patients request for appointment for any doctor. The details of the existing patients are retrieved by the system. New patients update their details in the system before they request for appointment with the help of HMS.

3. ER DIAGRAM

E-R DIAGRAM FOR HOSPITAL MANAGEMENT SYSTEM



4. TABLE DESCRIPTION

PATIENTS TABLE:

S NO.	COLUMN NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1.	P_ID	Varchar(50)	Primary Key	Contains Unique Id
2.	Name	Varchar(50)	-	Contains Name
3.	DOB	Varchar(50)	-	Contains Date Of Birth
4.	Gender	Varchar(50)	-	Contains Gender
5.	Blood Group	Varchar(50)	-	Contains Blood Group
6.	Email ID	Varchar(50)	-	Contains Email Id
7.	Address	Varchar(50)	-	Contains Address
8.	Mobile No.	Integer	-	Contains Mobile No.
9.	CGHS/Private	Varchar(50)	-	Contains Category

DOCTORS TABLE:

S NO.	COLUMN NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1.	D_ID	Varchar(50)	Primary Key	Contains unique ID
2.	Age	Integer	-	Contains age
3.	Gender	Varchar(50)	-	Contains gender
4.	Specialization	Varchar(50)	-	Contains specialization
5.	Experience	Varchar(50)	-	Contains experience of the doctor (In months)
6.	Language	Varchar(50)	-	Contains in how many languages doctor can speak.
7.	Mobile No.	Integer	-	Contains mobile number
8.	Email ID	Varchar(50)	-	Contains Email Id
9.	Schedule	Varchar(50)	-	Contains day and time for which the doctor is available

5. SAMPLE QUERIES

1. Top Hospital Quality problems and how to solve them.
2. Financial issues.
3. Government mandates.
4. Patient safety and quality care.
5. Staffing concerns.
6. Population health management.

6. CONCLUSION

Implementation of hospital management system project helps to store all the kinds of records, provide coordination and user communication, implement policies, improve day-to-day operations, arrange the supply chain, manage financial and human resources, and market hospital services.

7. BIBLIOGRAPHY

➤ **Books Referred :-**

- Visual Basic 6 Programming Balck Book (Steven Holzner)
- Visual Basic