

A
PROJECT REPORT
ON
“Hospital Management System”
FOR



Arts, Commerce & Science College, Sonai



SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

BY

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Under the Guidance of

Shri. Doifode S.K

IN PARTIAL FULLFILLMENT OF BACHELOR OF COMPUTER APPLICATIONS

FOR THE ACADEMIC YEAR

2020-2021



Mula Education Society's
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NAAC REACCREDITED 'A' GRADE and ISO 9001 : 2008 CERTIFIED

Date:

CERTIFICATE

This is to certify that **Mr. Gore Akshay Nandkishor & Mr. Adhav Rohit Balasaheb** rebonafide students of **Arts, Commerce and Science College, Sonai** have successfully completed the Mini project work as prescribed by the Savitribai Phule Pune University, Pune in the partial fulfillment of the requirement of Third Year, Bachelor of Business Administration (Computer Application). Program for the academic year **2020-2021**.
The Project Work titled as "Hospital Management System"

Shri. Doifode.S.K

Project Guide

External Examiner

Dr. Darandale .S.R

H.O.D.

Internal Examiner


ACKNOWLEDGEMENT


At every outset we express my gratitude to almighty lord for showering his grace and blessings upon me to complete this project.

Although our name appears on the cover of this book, many people had contributed in some form or the other form to this project Development. We could not do this project without the assistance or support of each of the following we thank you all.

We wish to place on my record my deep sense of gratitude to my project guide, for his constant motivation and valuable help through the project work. Express my gratitude to **Dr. Laware S.L.(Principal)** and **Dr. Darandale S.R. (H.O.D.)** of Arts, Commerce & Science College, Sonai for her valuable suggestions and advices throughout the **B.B.A(CA)** course. We also extend my thanks to other faculties for their Cooperation during my Course.

Finally, we would like to thank my friends for their co-operation to complete this project.




Mr. Gore Akshay Nandkishor


Mr. Adhav Rohit Balasaheb

DECLARATION

We hereby declare that the project work entitled, “**Hospital Management System**” submitted under the guidance of **Shri. Doifode S.K.** is our original work completed under the four walls of our institute.

The Report submitted is our own work and has not been duplicated from any other source. We shall be responsible for any unpleasure moment/situation.

 **Mr. Gore Akshay Nandkishor**
 **Mr. Adhav Rohit Balasaheb**

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INTRODUCTION:

The software is for the automation of hospital management.

The software include:-

Maintaining Patient Registration , various department and employee working hospital and also Billing process. The data are well protected for personal use and make the data processing very fast. Security of data. It is easy to learn.

Various record are save in hospital management system

We have selected **Hospital management system** as the topic for our project, which has been done with due details.

EXISTING SYSTEM

- 1) In the section we are going to study the existing system and analyze its manual working to find out requirement of the system.
- 2) These system is analysis the data at the lower cost than the manual system.
- 3) Hospital Management System allows to patient maintain bill, department ,Employee related data/records like crop planning, crop planting.
- 4) System provides strong security.
- 5) Detailed information of Hospital is calculated according to information from the form.
- 6) Various report are created by hospital information.
 - The system register information about the patient ,employee ,deparment earning.
 - Generate report for the accepted information etc. .
 - Proposed system is capable of generating all staff bill payment process.

SCOPE OF SYSTEM

- This system provides security.
- It also helps to maintain Hospital records.
- It helps to update Hospital details quickly & easily.
- It helps to maintain database accurately.
- Since proposed system is computerized, so fast calculation is done.
- It is time saving since it maintains record accurately.
- It does manual task of existing system automatically in effective and efficient manner.
- It provides user friendly GUI.

Through this Hospital system it is possible to print various reports require for the organization.

Scope of the system is as following:-

- 1) Maintain ace of master file.
- 2) Data entry for various transactions.
- 3) Printing of various reports.

For all of this clear information and understanding should have done regarding system. The proper documentation should be necessary

_proper normalization and creating database files should have done properly also various designing should have done.

SYSTEM ANALYSIS

❖ FACT FINDING TECHNIQUES

1. Interview:-

During the system study, information of Hospital of the system have to be taken. We have to show them the data of the system.

2. Observation:-

The basic information about various activities that are carried out can be studied through observation. This method was used to how the documents are handled and to understand the actual manual process.

3. Record Review:-

Documents study is also helped in determining the Input and output of the system. In this type of technique, as we have to study the existing/previous records and reports that helps us in generating an overview for out new system which is to be designed.

❖ FEASIBILITY STUDY

An important outcome of preliminary investigation is determination that the system requested is feasible. There are three aspects of feasibility study as follows.

1. Technical Feasibility Study:-

The main aspects of technical feasibility study in Hospital Management System that it is secured by password that will not allow the unknown person to access the system.

2. Economical Feasibility Study:-

The proposed system is economically feasible because the cost of hardware and software installation and maintenance is affordable.

3. Operational Feasibility Study:-

The proposed system being user friendly, it can accept by anybody who has the basic knowledge of computer. This computerized system is very easy to understand.

❖ **Hardware and Software Requirement**

- **Software Requirements:**
- “The utility programs which are required to drive the Hardware of the computer are called software.”

Operating System : Windows7/10

Technology: VB 6.0

Front-End: VB 6.0

Back-End : MS-ACCESS

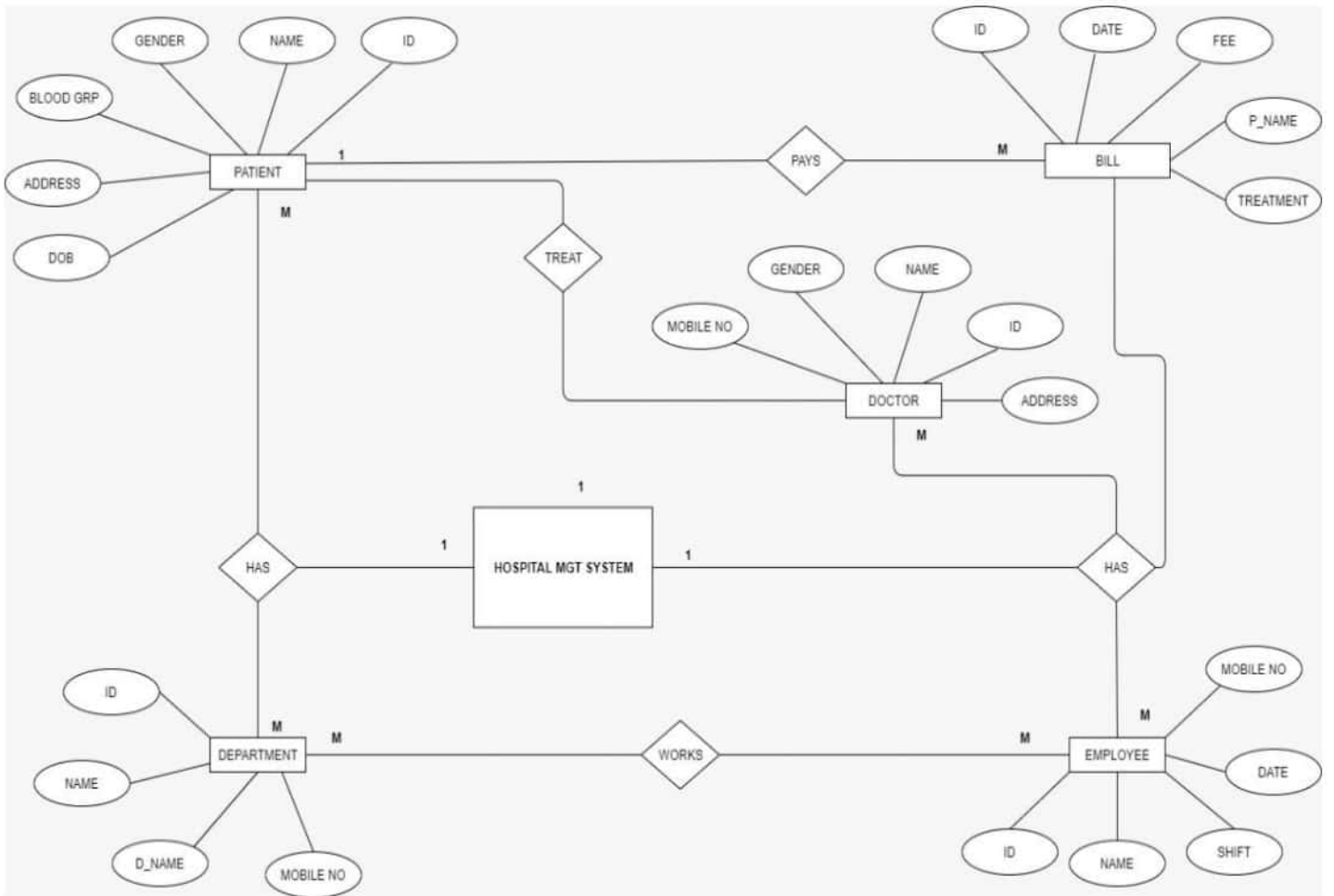
Crystal Report Control

- **Hardware Requirements:-**
- “The entire physical equipment’s i.e. Input device, processor, output device and inter connecting equipment of computer is called as hardware”

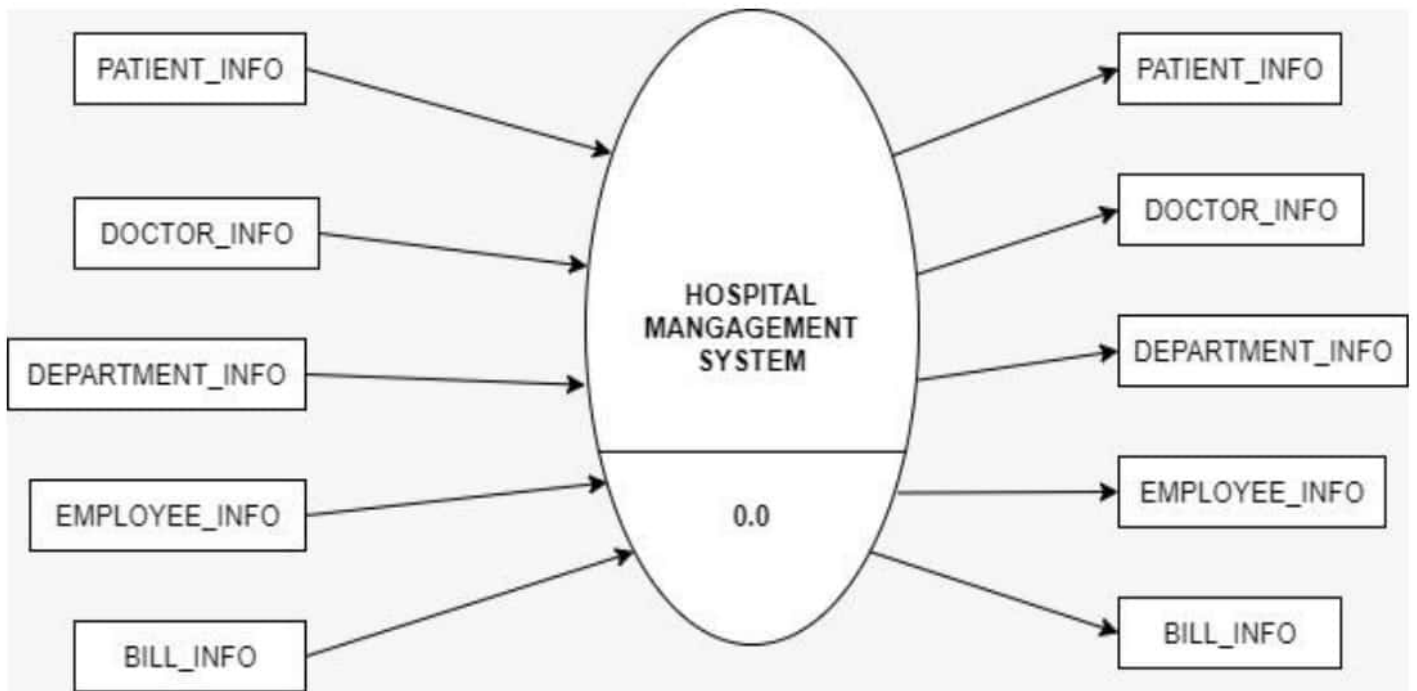
- Processor – i3
- Hard Disk – 4GB
- 1 GB of RAM
- Keyboard/Mouse
- LCD Display

SYSTEM DESIGN

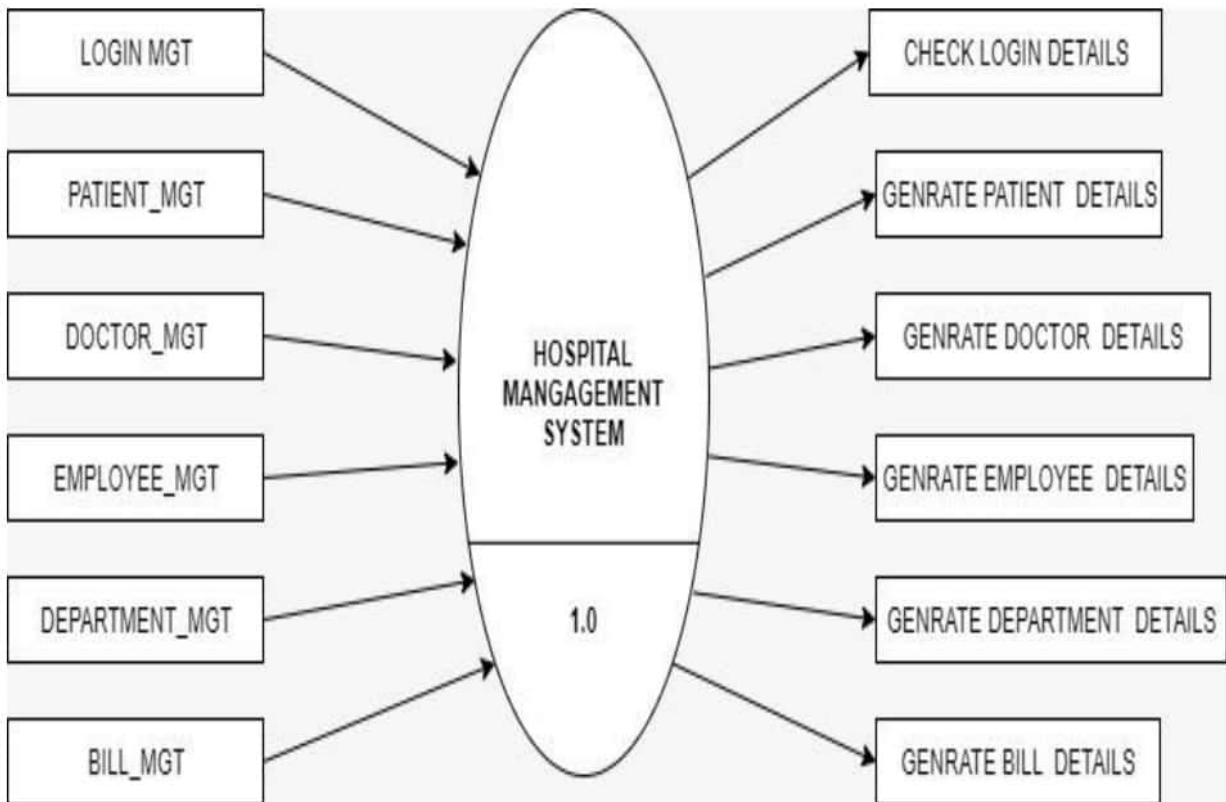
E-R diagram



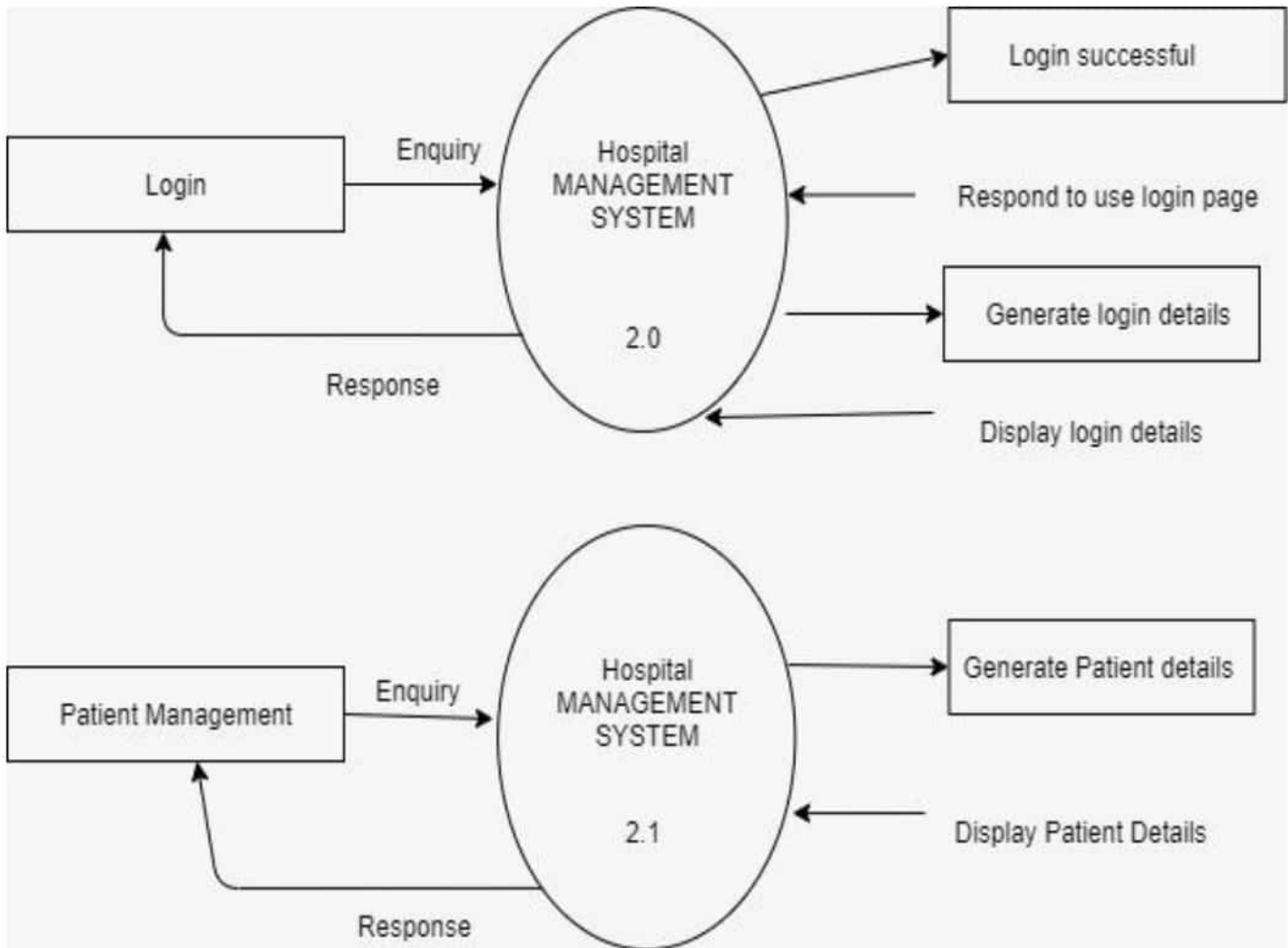
Data Flow Diagram (Level 0)

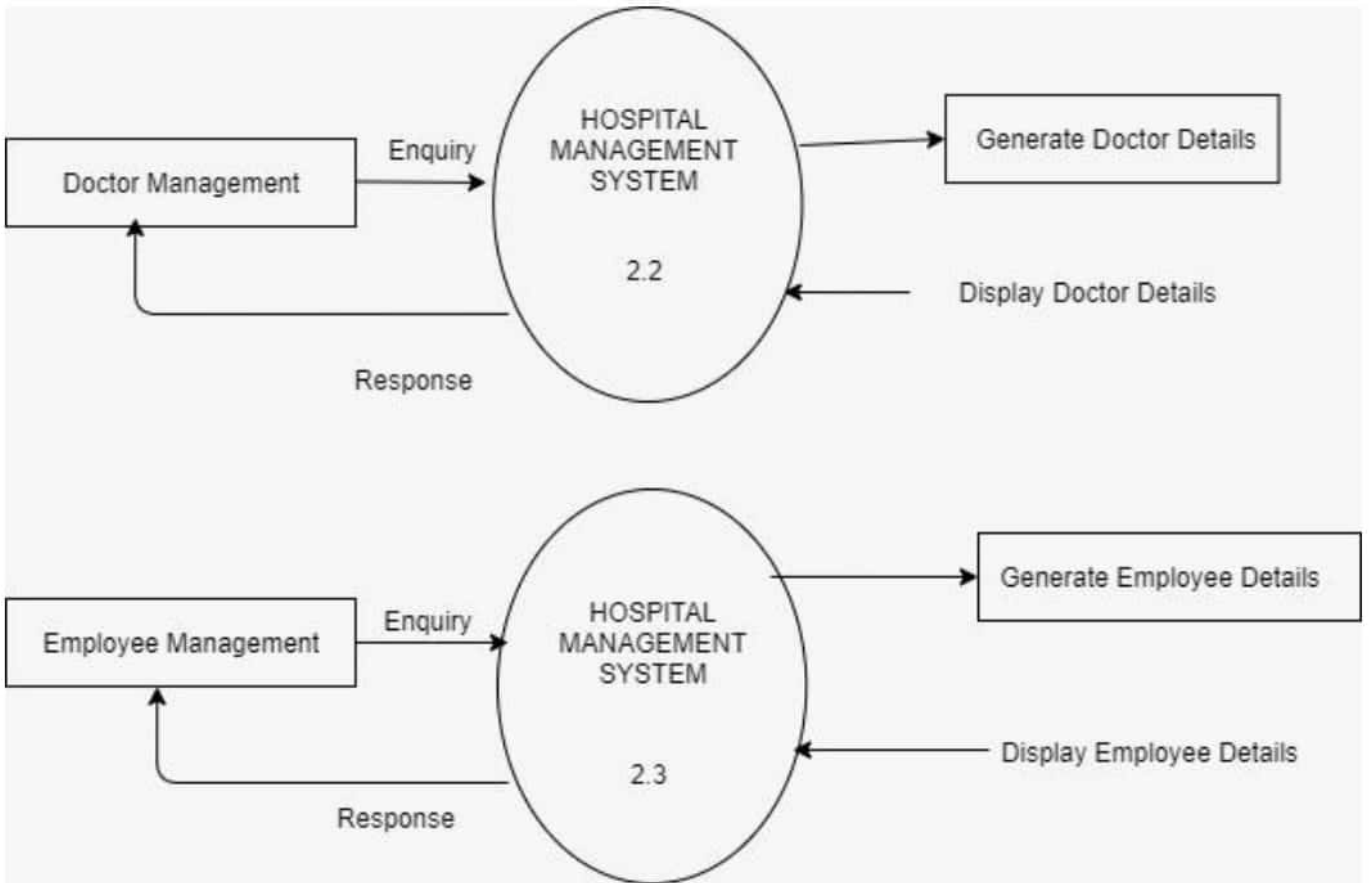


Data Flow Diagram (Level 1)



Data Flow Diagram (Level 2)





FILE DESIGN

1. Patient Master

FILED NAME	TYPE	WIDTH	CONSTRAINTS
Id	Number	10	Primary Key
Name	Text	25	
Address	Text	25	
DOB	Number	10	
Gender	Text	25	
Blood Group	Text	30	

2. Department Master

FILED NAME	TYPE	WIDTH	CONSTRAINTS
Id	Number	10	Primary Key
Name	Text	25	
Dept Name	Text	25	
3.2Mobile No	Number	15	

3. Employee Master

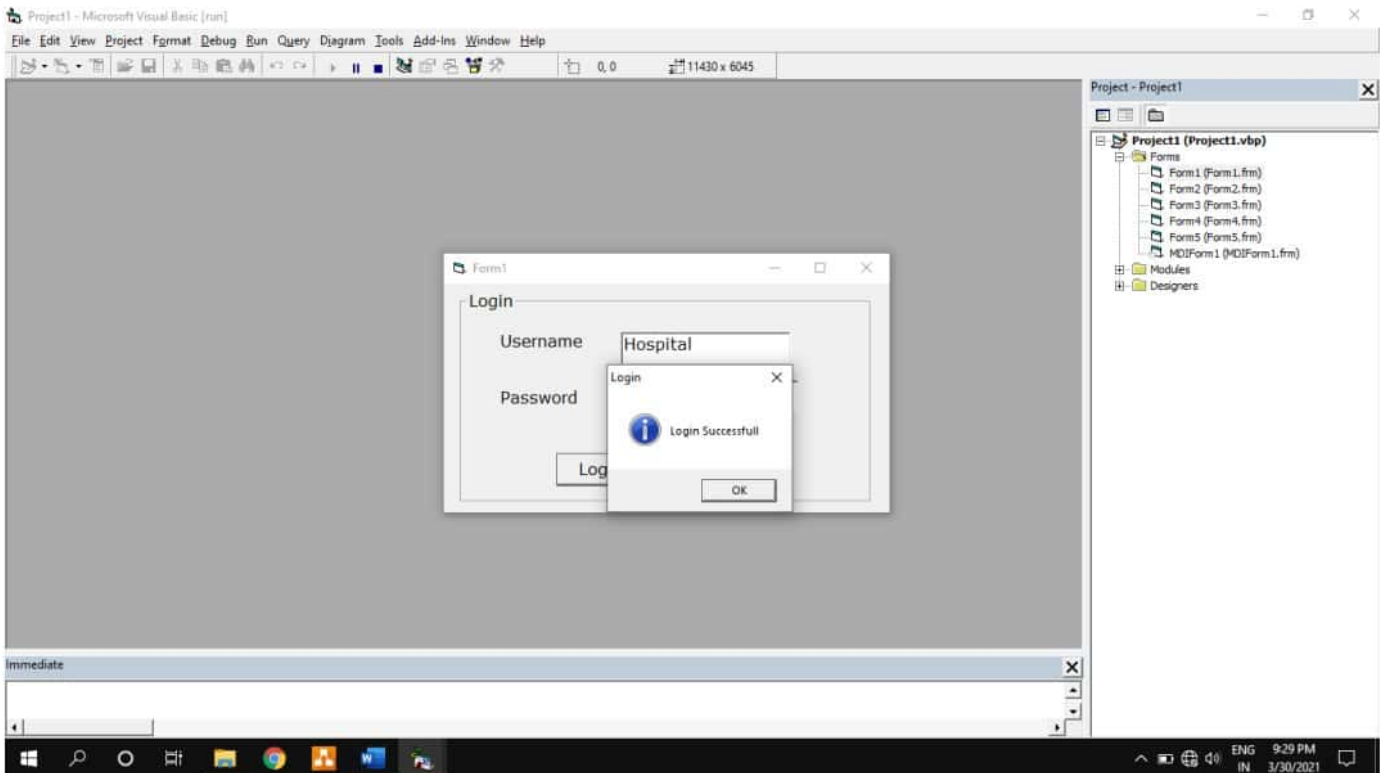
FIELD NAME	TYPE	WIDTH	CONSTRAINTS
Id	Number	10	Primary Key
Name	Text	25	
Date	Number	15	
Shift	Text	10	
Mobile No	Number	10	

4. Bill Transaction

FIELD NAME	TYPE	WIDTH	CONSTRAINTS
Id	Number	10	Primary Key
Patient name	Name	10	Foreign Key
Fee	Number	25	
Date	Number	10	
Treatment	Text	15	

FORM DESIGNS (WITH INPUT)

Login Form:



MDI Form:



Patient Registration:

Hospital mgt System
Add Modify Delete Report Exit

Form2

Patient

Id	8
Name	saurabh
Gender	<input checked="" type="radio"/> Male
DOB	5 /25/1995
Blood Group	O
Mobile No	9658123456

Save Cancel Reset

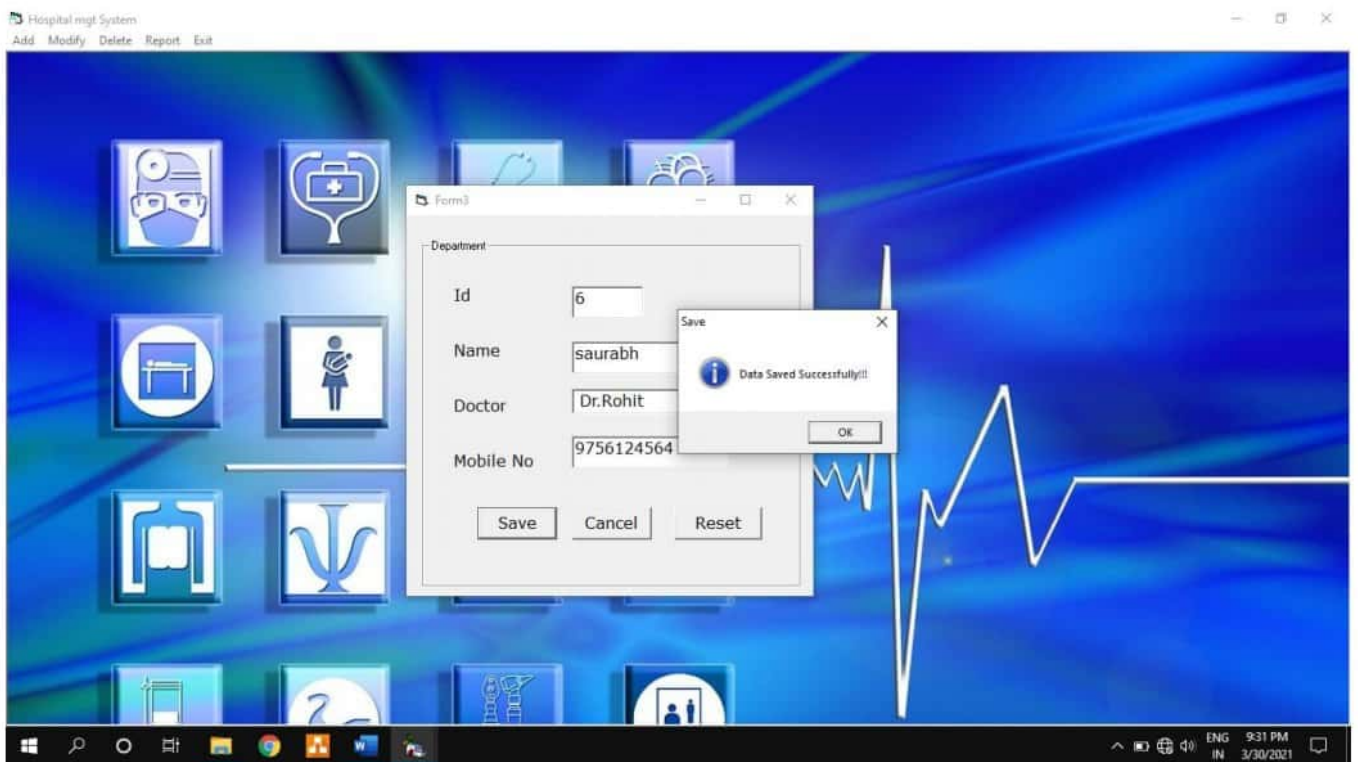
Save

Data Saved Successfully!!!

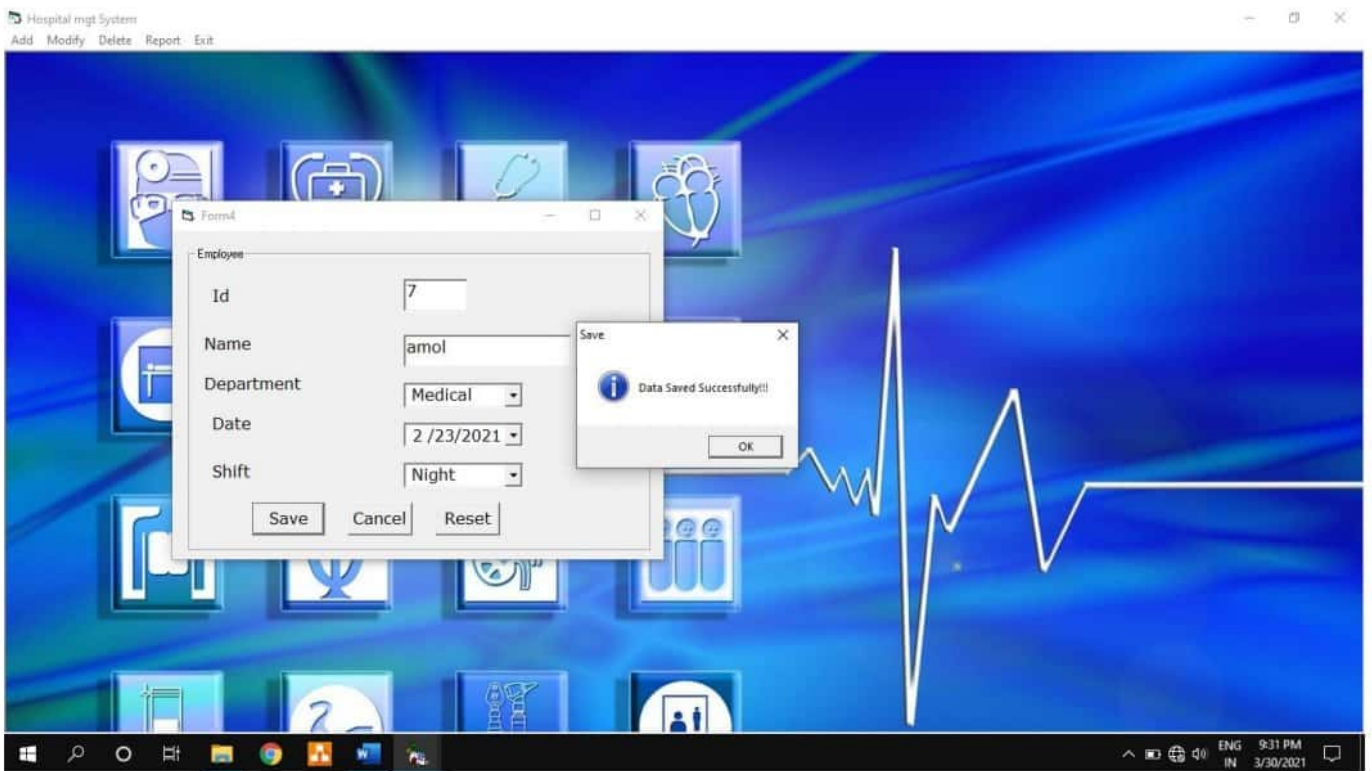
OK

Windows taskbar: ENG 9:30 PM IN 3/30/2021

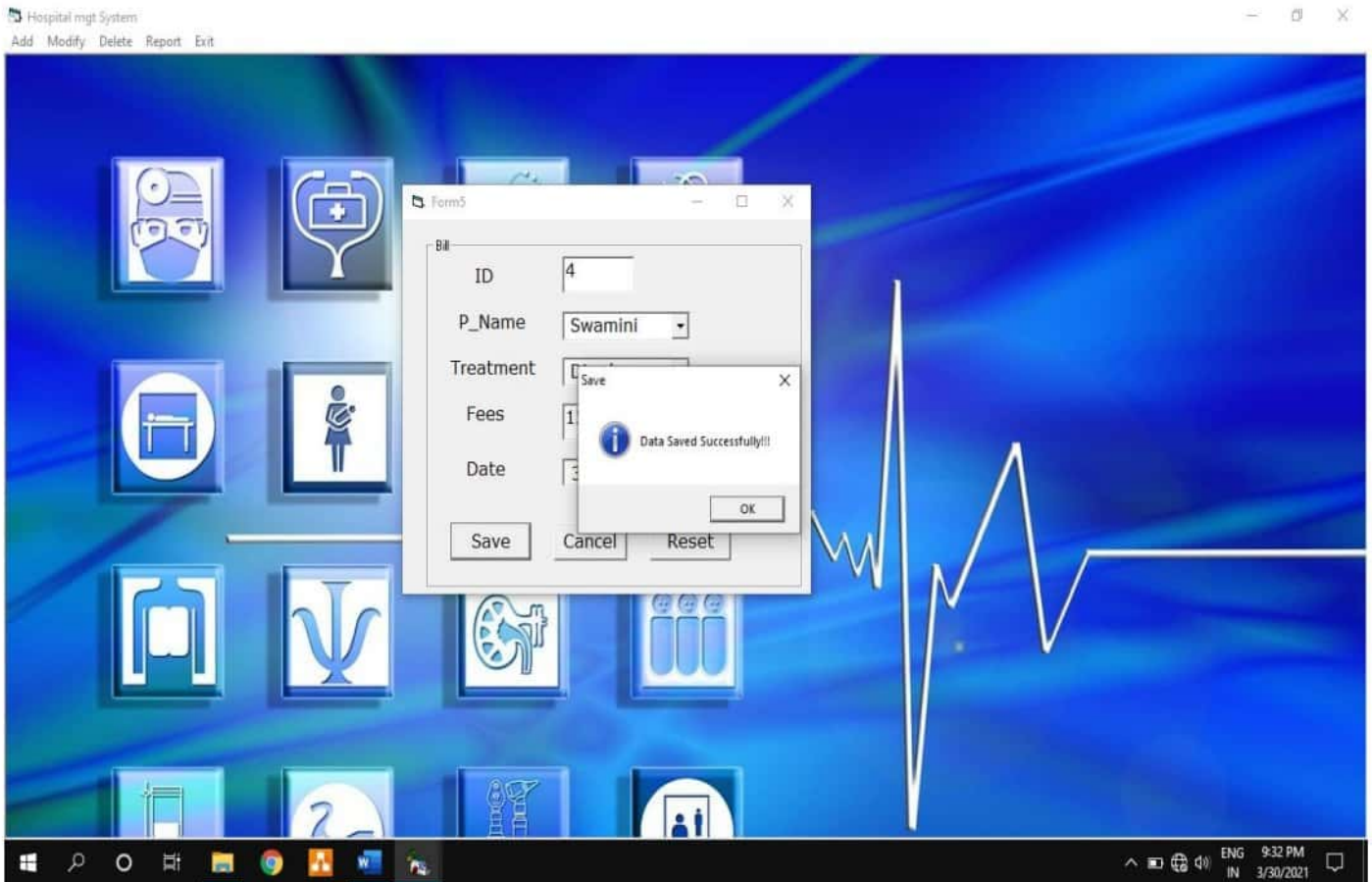
Department Registration:



Employee Registration:



Bill Registration:



DataReport1

Zoom 100%

Patient Details

ID	Name	Gender	DOB	MobileNO	BloodGroup
1	Manoj	Male	2/21/2021	6315313	B+
2	sanket	Male	2/8/2021	568465	B+
3	Rohit	Male	2/3/2021	9856246232	A+
4	Swamini	Female	3/20/2000	9850124545	B-
5	Avinash	Male	8/5/1999	9564785213	A+
6	Ganesh	Male	9/22/1999	9845761546	O
7	Akshay	Male	8/11/1999	9845612546	B+

Page: 1

DataReport2

Zoom 100%

Department Details

ID	Name	Doctor	MobileNo
1	Abhishek	Dr.Rohit	956478546
2	Sanket	Dr.Rohit	965789454
3	Swamini	Dr.Sanket	987845654
4	Ganesh	Dr.Sanket	984562154
5	Akshaay	Dr.Manoj	984561245

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Hospital mgt System

Add Modify Delete Report Exit

DataReport3

Zoom 100%

Employee Details

ID	Name	Department	Date	Shift
1	vhjmn	Medical	2/21/2021	Night
2	XYZ	Medical	2/4/2021	Night
3	Ampl	Medical	2/21/2021	Morning
4	pqr	Pharmacy	2/21/2021	Morning
5	hij	Pharmacy	2/21/2021	Night
6	sanket	Pharmacy	2/21/2021	Morning

Pages: 1

Windows Taskbar: 9:33 PM 3/30/2021

Hospital mgt System

Add Modify Delete Report Exit

DataReport4

Zoom 100%

Bill Details

ID	PName	Treatment	Fees	Date
1	sanket	Cold	500	3/3/2021
2	Rohit	Diarrhea	1000	3/3/2021
3	Rohit	Flu	1000	3/3/2021
4	Swamini	Diarrhea	1500	3/20/2021

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ADVANTAGES AND DISADVANTAGE

Advantages:-

1. Easy to keep record.
2. Easy to add new patient registration Details.
3. Easy to add new record.
4. Easy to add employee details.
5. Easy to learn system.
6. Easy to maintains Hospital details.

Disadvantages:-

1. Less security (Login Information not encrypted).
2. Not available for online users.
3. Single user Interface.

FUTURE ENHANCEMENT

1. Multiuser interface implementation.
2. More security to data.
3. Online availability.
4. The most important thing of these software is that it is a further improved with having change in its current setting. We can also change the security of the software over the time ,because by the time software will have more and more secure as the data also secure.

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