DELHI TECHNOLOGICAL UNIVERSITY

(FORMERLY DELHI COLLEGE OF ENGINEERING)

BACHELOR OF TECHNOLOGY

IN

INFORMATION TECHNOLOGY

PRS PROJECT ON HOSPITAL MANAGEMENT SYSTEM



IT202- DATABASE MANAGEMENT SYSTEMS

SUBMITTED BY:

SUBMITTED TO:

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PROBLEM STATEMENT

The Hospital Management System is designed for any hospital to replace their existing manual paper-based system. This system can store and control the information of both the staffs and patients of the hospital.

The client approached us asking to design a database management system for their hospital which would be easy to operate, ensures proper storage and easy retrieval of information. He wanted a database which could store the information of all the staffs of the hospital-their employee code, names, designation, salary, date of birth, date of joining, contact number, city, email id and the ID of the department to which they belong.

Further he wanted the system to store the information of doctors separately so that it would be easy to retrieve the information related to their working hours while the personal information remains among the staff information. He wanted to store the following information for the doctors- their ID, name, department, highest qualification, working hours and consultation fee.

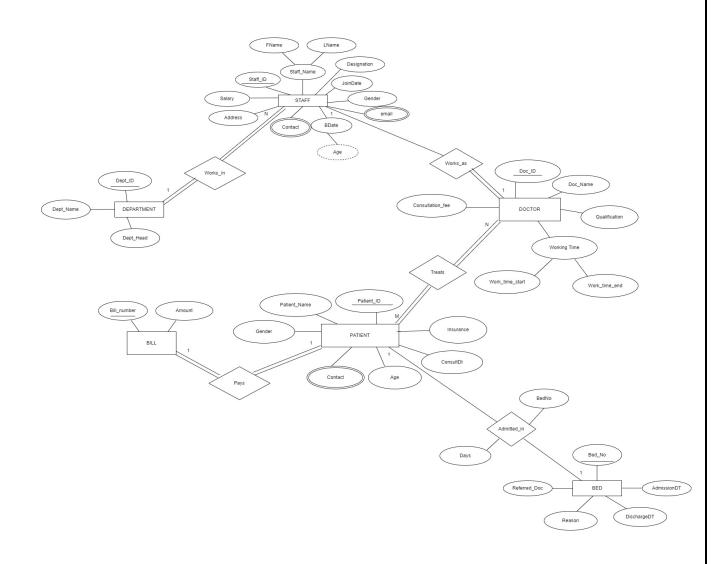
Then he wanted a separate table to store the details of every department such as the department IDs, their corresponding name and the staff who heads the department.

Next, he wanted to store the information related to the patients who visit the hospital- their ID, names, gender, contact, age, the doctor they consult, date of consultation and whether or not they have an insurance.

Further if the patient is admitted, then he wished to store the details of the bed such as the bed number allocated to the patient, the doctor who referred him/her, for what reason he/she was admitted, the dates of admission and discharge and total days of admission.

Finally he wished to store the payment details of the patient such as the bill number and the total amount paid.

ENTITY-RELATIONSHIP (ER) DIAGRAM



SCHEMAS

STAFF

Staff_ID	FName	LName	Designation	Gender	BDate	Contact
Email	Address	Salary	JoinDate	Department_ID		

DEPARTMENT

Dept_ID	Dept_Name	Dept_Head

DOCTOR

Doc_ID	Doc_Name	Dept	Qualification	Contact	Work_time_start
Work_time_end	Consultation_fee				

PATIENT

Patient_ID	Patient_Name	Gender	Contact	Age
Doctor_ID	ConsultDt	Insurance		

ADMITTED_IN

Patient_ID	BedNo	Days

BED

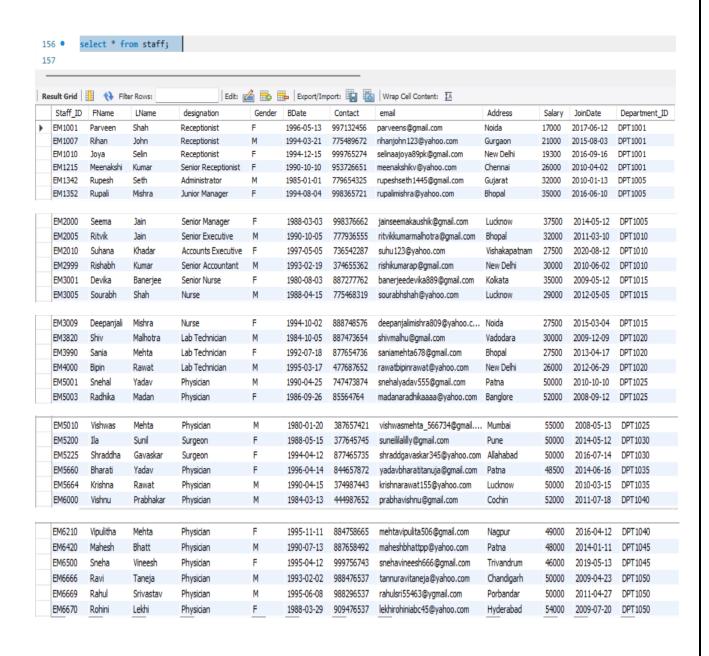
Bed_No	PID	PName	Referred_Doc	AdmissionDT
DischargeDT	Reason			

BILL

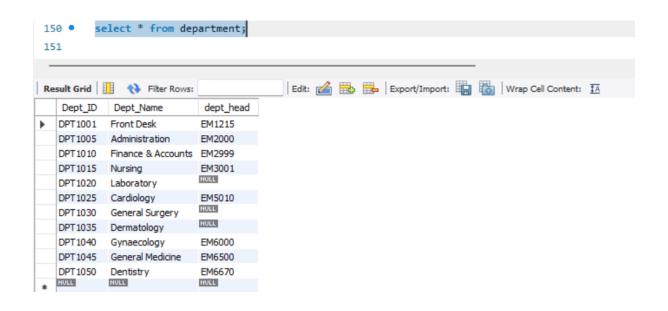
Patient_ID	Patient_Name	Doc_ID	Amount	Bill_Number

POPULATED TABLES

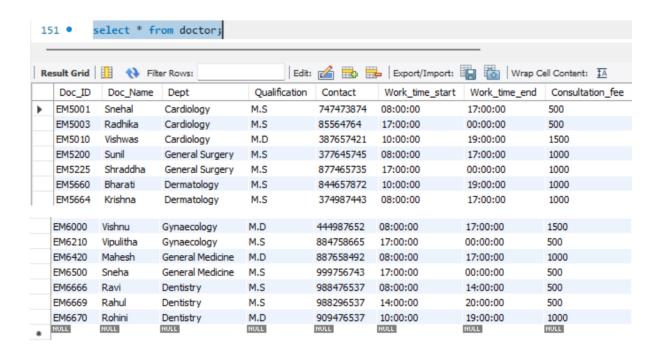
STAFF:



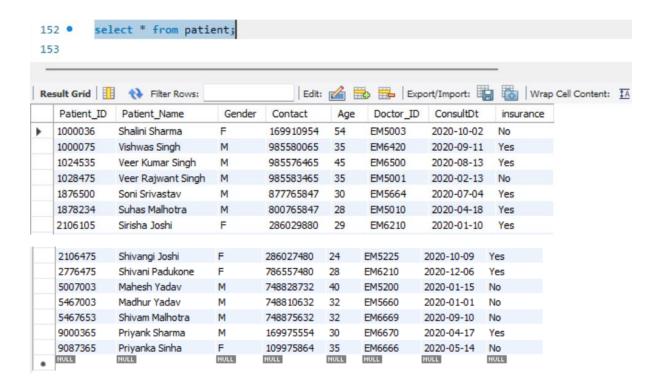
DEPARTMENT:



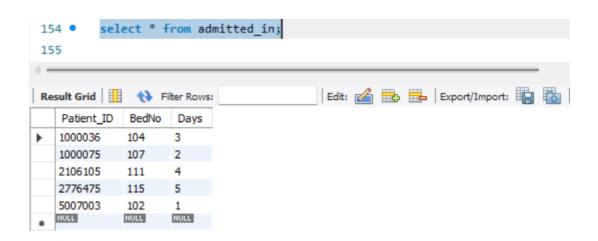
DOCTOR:



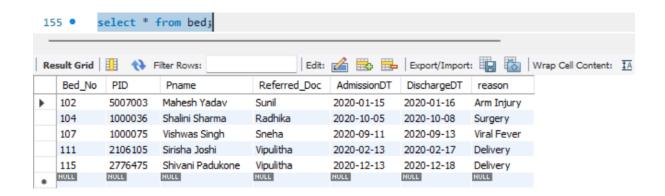
PATIENT:



ADMITTED_IN:



BED:



BILL:

