DATABASE SYSTEM AND APPLICATIONS
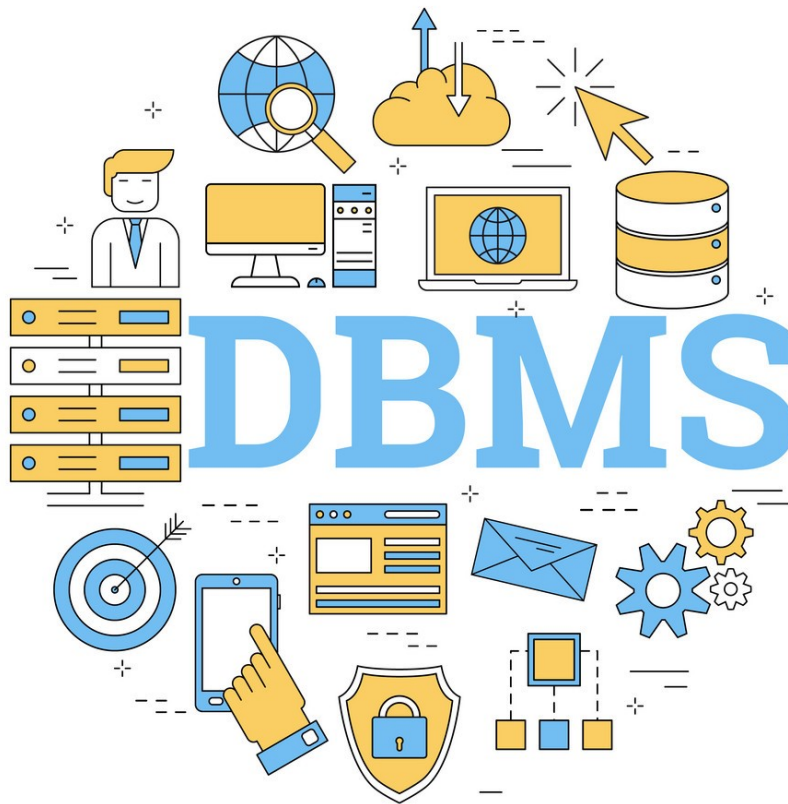
MINI PROJECT

|		
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Department	:	E&I
Reg.NO	:	2018505051
Subject Code	:	CS7594
Content Title	:	COVID 19 Patient Management System

COVID 19 PATIENT MANAGEMENT SYSTEM

OBJECTIVE:

To Manage the patients who are admitted for COVID 19 test in hospitals, to provide them with proper care from the hospital, to manage the record of the patients and employees in the hospital and to update the national COVID 19 count.

ER DIAGRAM:
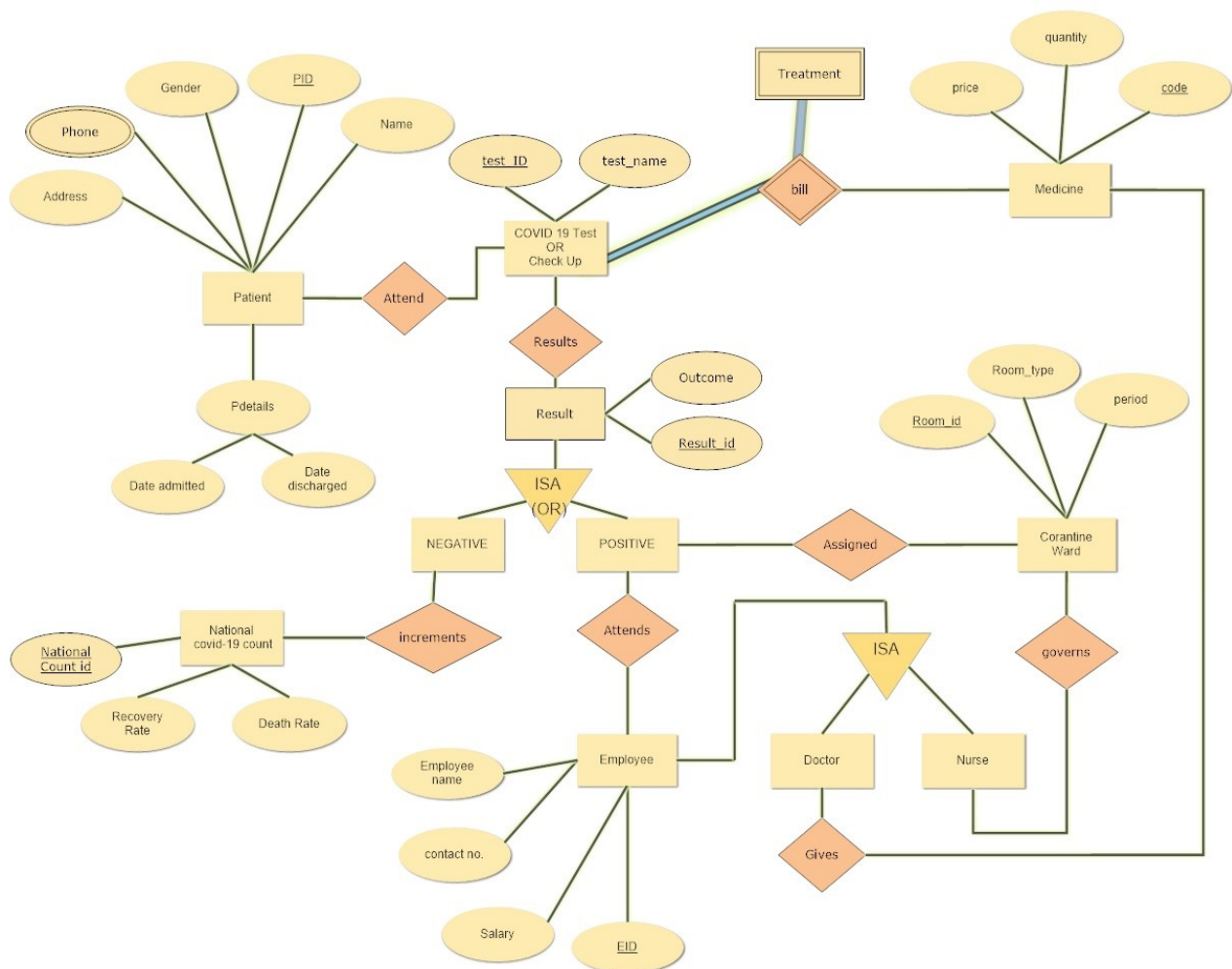
(Created by using SmartDraw)

FROM ABOVE ER MODEL:

Patient:

PID	Name	Gender	Address	Date_admitted	Date_discharged
1	Harish	M	No.12,xyz road,Salem	08/10/2020	None
2	Pradeep	M	No.21, uvw road,erode	18/09/2020	25/09/2020
3	Srinidhi	F	No.32,abc road,Chennai	03/10/2020	None

Patient-phone:

PID	Phone
1	2829512352
1	9234185139
2	9141535215
3	1252235622

Check up:

Test_ID	Test_name
124	COVID19 test
152	Diabetes test
125	Bloodpressure test

Attend:

PID	test_ID
1	124
2	124
2	152
3	124

Bill:

Test_ID	Code	Treatment
124	4743	Corantine
152	5222	Glucose
125	9275	Medicine

Results:

Test_ID	Result_ID
124	23
152	51
124	63

Result:

Result_ID	Outcome
23	Positive
63	Positive
51	Low Diabetes

Assigned:

Result_ID	Room_ID
23	502
51	503
52	504

Medicine:

Code	Price	quantitiy
4743	1000	4
5222	525	2
9275	2000	7

Corantine_Ward:

Room_ID	Room_type	Period
502	Corantine ward	15
503	Corantine ward	15
504	ICU	5

Increments:

Result_ID	National__Count_ID
23	100001
63	100002

National_COVID19_counts:

National__Count_ID	Recovery Rate	Death rate
100001	89.9	10.1
100002	89.9.	10.1
100003	90.0	10.0

Attends:

Result_ID	EID
23	102
63	103
63	901

Employee:

EID	Salary	Contact_no	Employee_name
102	10000	1241421424	Ms. sudha
103	10000	1234552124	Ms. Shanthi
901	90000	7342635235	Dr. Ganeshram
902	80000	2742387527	Dr. SelvaKumar
903	120000	2752975295	Dr. Kumar

Gives:

EID	Code
901	4743
902	5222
903	9275

Governs:

EID	Room_ID
102	503
103	502
103	504

CONCLUSION:

Hence this ER model can now be implemented into a complete Database Model.