DBMS LAB : Assignment-1

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Equivalent Relational Schema of the ER – Diagram:

1) Patients(<u>Aadhar_Number</u>, Name, House No, Pin Code, Street_ ,Name, City/Town/Village, District, State, Date_of_birth, Currently_positive, Alive, Sex)

2) Patients_Travelled_places (<u>Aadhar_Number, Travelled_places_last_10days</u>)

3) Patients_phone_number (<u>Aadhar_Number, Phone_number</u>)

4) Hospitals (<u>Registration_ID</u>, Name, Building No, Pin Code, Street Name, City/Town/Village, District , No_of_patients,, Max_no_of_beds, No_of_beds_available, No_of_covid_patients No_of_Deaths_occured)

5) Hospitals_resources_available (<u>Registration_ID, resources_available</u>)

6) Hospitals_ resources_requires (<u>Registration_ID, resources_requires</u>)

7) Hospitals_telephone (<u>Registration_ID, telephone_no</u>)

8) Testing_Labs (<u>Registration_ID</u>, Name, Building No, Pin Code, Street Name, City/Town/Village, District , No_of_tests,, No_of_kits_available, No_of_kits_required, No_of_positive)

9) Testing_labs_telephone (<u>Registration_ID, telephone_no</u>)

10) Vaccination_centres (<u>Registration_ID</u>, Name, Building No, Pin Code, Street Name, City/Town/Village, District , No_of_vaccinations, No_of_vaccines_available, No_of_vaccines_required)

11) Vaccination_centres_telephone (<u>Registration_ID, telephone_no</u>)

12) Social_media_reports (<u> phone_number</u>, platform, time_stamp, Name)

13) Close_contacts (<u>Aadhar_Number</u>, Name, Tested(Y/N))

14) Posted_by (<u>Phone_number,</u> Aadhar Number)

15) Contacted (<u>Close_contacts.Aadhar_Number, Patients.Aadhar_Number</u>)

16) Tested_at (<u>time_stamp, Test_centre.Registration_ID</u>)

17) Vaccinated_at (<u>time_stamp, id_by_vac_centre, Vaccination_centre.Registration_ID</u>)

18) Associated_Hospital (<u>time_stamp,unique_id_by_hospital, Hospital.Registration_ID</u>)

19) Self_reports (<u>Time_stamp, Patients.Aadhar_number</u>)

20) Self_reports_symptoms (<u>Time_stamp, Patients.Aadhar_number, symptom</u>)

21) Hospitaliztions(<u>Time_stamp, Id_by_hosptial</u> , <u>Patients.Aadhar_number</u>)

22) Hospitaliztions_symptoms(<u>Time_stamp, Id_by_hosptial , Patients.Aadhar_number, symptom</u>)

23) Hospitaliztions_resources_used_on_patient(Time_stamp, Id_by_hosptial , Patients.Aadhar_number, resources_used_on_patient)

24)Vaccinations(<u>Time_stamp, Id_by_vac_centre , Patients.Aadhar_number, Dose_no</u>)

25) Lab_results(<u>time_stamp, report_id, , Patients.Aadhar_number</u>, variant, method)