Problem Statement Design a system to manage the bed allocation process in many hospitals during covid time. Many hospitals are involved in this database. Each hospital has its address, registration number which is unique to every hospital and priment availability. If a patient needs to be admitted to a hospital but the patient availability in that hospital is zero, the patients are put to a waiting list. Here, the patient's name, age, address, phone number are taken into account on the basis of first come first serve. Once they are admitted to a hospital, we taken in details like Patient it (which is unique). Pename, page. Persone. details like Patient id (which is unique), P-name, p-age, P-phone. Many doctors work in a hospital Each doctor has their unique id (d\_id), name, phone no. Each hospital consists of multiple beds. Each bed is associated with a bed\_id, ward no. Once the bed is allocated to a patient, we take it as a bed-patient Here, we stake details like the bedid, patient-id, in-date, out-date. If the severity of the patient's condition is bad, then they might need ICU. For ICU, we take the duration of time the patient was in ICU and their respective start date. Every doctor does diagnoss on patients. Diagonsis includes whether or not the patient has fever, difficulty breathing, 02 levels and finally if they are covid the /not. Based on this diagnosis, the patients are prescribed medicines. Every medicine has its unique med-id & also a med-name. Prescription sheets have unique prescription-no. Entities & their attributes 1) Hospital (h\_location, h\_regno, availability) 3 Doctor (d\_id, d name, d phone) 3) Patient (P-id, P-name, P-age, P-phone, Deverity) (i) Bed (b\_id, ward\_no) 5). Bed patient (in\_date, ont\_date) 6. ICV (ICV\_no, duration, Startdate)

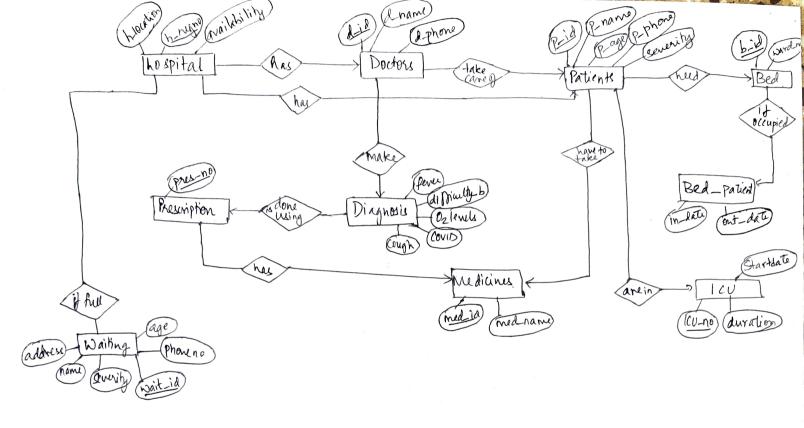
3. Medicine (med\_id, med\_name)

8. Prescription (pres\_no.)

9. Diagnosis (fence, difficulty b, Delevels, covid, cough)

(10). Waiting (name, address, age, phone no., severity, Wait\_id)

TER diagram (1\_location) d-name 12 namy I phone Hespital (availability) Doctor PATIENT -phone Severity (ward\_ne) in-date. (out date Juration Pres-no) (Start date) Bed Bed-patient Prescription (COVID) severity (rame) Diognosis difficulty b (wait\_id Waiting ferer Ozlevels) Phone no address



Complete E-R diagram

