CHAPTER-4 Assignment Name: Kayyala Avaviral Kumar and SNF. S555622. @ Connect the following to 2NF and 3NF. (7, 51, 2, K, f, b, m, Q, Q, Q, Q, Q), (1), (2, Q, Q, Q) FDs (Functional dependenceis) 9-4 C $b \rightarrow 0$ $y \rightarrow s, l$ 1.00 7 Peransifire 2. h + 0 Peransifire 3.5,l + i dependencies ã→d ã-re ·b - + h 1×-> n $\tilde{h} \rightarrow 0$ ž,l→ i Restall Which are in ñ-ri $b \rightarrow j$ tick over partial dependencies $\check{m} \rightarrow a$ Converting to 2NF RI(9, d, c) $RS(\underline{K}, n)$ R2(b, h,0, y) K6(9,9,P,K, f,b,n) $R3(\underline{m}, \alpha, e)$ FKs (Foreign Kuys) R4 (<u>91</u>, 5, l, i) 9 - FRI $b \longrightarrow R2$ 91 -> R4 $m \rightarrow R3$ $K \rightarrow R5$

Consuling to 3NF

Name, - Koyyala Aravind Kumar SIDi- 5555622

$$FK: S, l \rightarrow R2$$

$$FK: b \rightarrow R7$$

$$b \rightarrow R3$$

Name Koyyala Bravird Kumar. EMPLOYEE (Employee TO, Employee Name, Employee Addens, Employee Rype, Empolyee Birtsdate) EMPLOYEE PHONENUMBER (Employee ID, Employee Phone Number

FK: Employee ID - & EMPLOYEE

FTE (FEMPloyLEID, Manague Nome)

FK: FEMPLOYEETD -> EMPLOYEE

CONTRACT (CEmployee ID, Verdor Name)

PK: CEmployue PD -- EMPLOYEE

PROJECT (Broject ID, Rugject Name, Rugject Stavil-Date)

BILL (EmployeeID, ProjectID, Assigned BillRate)

FK: EmployeeID-+ EMPLOYEE

Pargiert TD -> PROJECT.