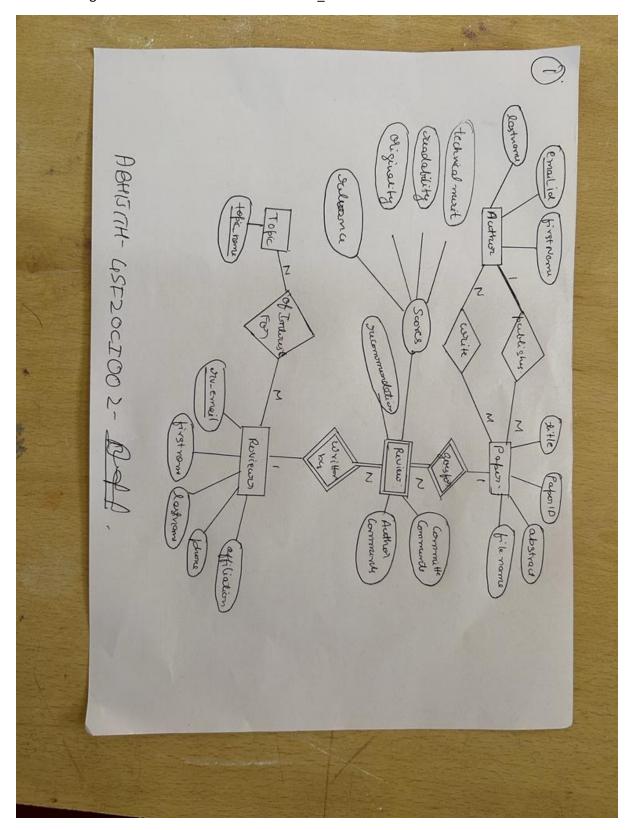
1. Design an ER schema for the CONFERENCE_REVIEW database



2. Map the abive ER schema into relational schema

Relational Schema	
POTHOR ROTHOR Ded A Email 10 First Name Last Name	
Paper	
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Committee Author Recommendia Scores	
Reviewer	
Re-email First Last Phone Affilation	
Topic	
Topic Name	

4.	
7	4.) Queries in Relational Algebra. ABHITITY Del.
	1.) IT (or (CERTIFIED) MAIRCRAFT)) eid (anomu='Boing'
	2.) TI (TI (TO (CERTIFIED MAIRCRAFT)) MEMPLOYED) enome eid anome= 'Boing'
· .	3). IT aid (of Bonn' and to='Madress (distance (Talistance (From='Bonn'
	and to='Madrag' (FLIGHTS)))))
	TI (FLIGHTS) - TI (tt (F (EMPLOYEES)) DO no leia (saleny (=100000)
	CERTIFIED & Taid (FLIGHS)) 5). The name (Theid (or cruising range >3000)
	(CERTIFIED MAIRCRAFT) DE EMPLOYEES))
1 / () - 5 / ()	

6. TT (5 = (TT (EMPLOYEES)) (EMPLOYEES)). 7. Toid salary eid! [count(aid) = tr (accust (aid)) (G. ROUP EID (CERTIFIED) 8. IT (or laid) = 3 (GROUP eid (CERTIFIED))) 9. Eselery (EMPLOYEES) 10 Tenane (Teid (Tour (aid) = (T Locus (aid) GROUP eid (CERTIFIED)) (GROUP eid (CERTIFIED)) & EMPLOYEES))

5).

USF20CIOOZ ABHIJITH

Q+P

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CLIENT (Client H, Nome Location, Managerth, Monager_North,
Manager_location).

CONTRACT (Contract #, Client #, Estimated_Cost, Completion dots).

STAFF-1 (Staff #, Contract #, Staff-rom, Staff-Cocalin)

2NE,

CLIENT-C Client #, None, Location, Monager #,
Monager_none, Monager_Cocation)

CONTRACT-2 (Contract #, Client #, Estimated - coef, Completion-olds)

STAFFA (Staff #, Staff-none)

ASSIGNMENT-2 (Staff, Contractiff, Staff-Cocation)

hSFZOCIOOZ-ABHIJITH

a). Ans, BCND, ENC, DNA

We store traction from set of all the attribute and reduce them using given frontional dependency.

Closur of AEH ie AEH += {ABCDEH}

Closur of BEH ie BEH += {ABCDEH}

Closur of DEH ie DEH+-{ABCDEH}

6). O A -> B , & BC>E, ED -> A
Since RHS doesn't have RP,

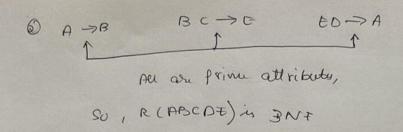
(co) = co Now combination will be,

(ACD) = ABC DE

(BCD) = ABCDE

(ECD) - ABC DE

So keys, or, ACP, BCD, & GCD



BI A JB, BCJE, ED JA
Relation mot in BCNF

* Even if I FD violats, it will not be in BCNF.



