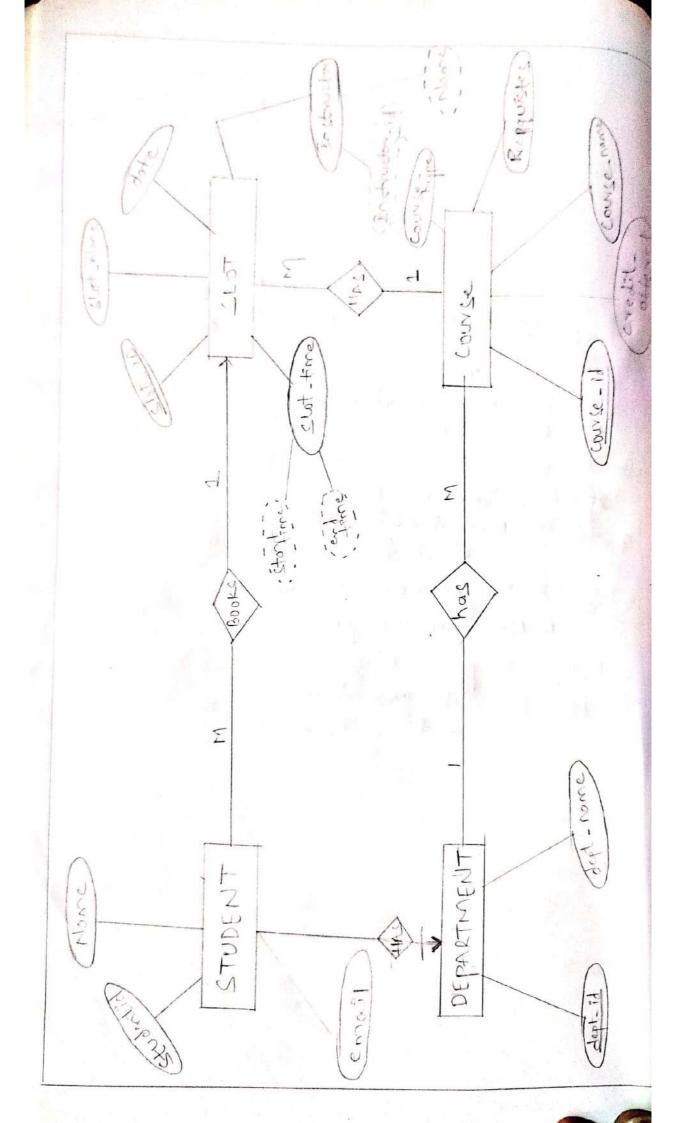
TASK 1-1.1 Date: 29/07/2 college Slot Booking and Managment Database Tools Required: Https://dvahl. 10 Stept: Problem understanding & Requirement analysic -> Analysis real world application: conege slot booking and management syetch -> understanding domain: STUDENT, DEPARTMENT COURSE, SLOT Step 2: - Identify Major entity. \* Student \* DEPARTMENT \* COURSE \* SLOT Step 3: - Entity Attributes -> student: - student-id CPK), name, email, academic year -> DEPARTMENT: - dept\_id(px), dept\_name -> coike =: - course\_id(pk), course\_name, credits-offered, prerequister, course type. -> SLOT: - Slot\_id(pk), slot\_time, Enstructor data, sut-type, venue. Step 4:--> A student has one department -> one department has many courses -> A course has many state -> one or more students chosses one stat



Steps: - Draw CR Dragram wing draw. io. -> open https://dvavi.io. -> chosen blank diagram -> click create -> from left pernol, drag the following -> Use rectangular box for Entities (STUDENT: DEPARTMENT) -> Use ellipses for Attributes (student-id, dept-10) -> Use diamonde for Relationship (has, books) -> connect using unes: gids noted to relationship · Connectore -> use pk or underline to denote primary -> Use double ellipse for multivalues attrobutes (Hany). - tose labels such as (1:N), (M:N) retc, to show cardinalities. Relationship 1--> student (1) -> (1) Repartment -> Department (1) -> has -> (M) courses -> course (1)-has->(m)slots -> student (M) - BOOKS -> (1) Slot Enfut collège slot Booking system manages Student regretering for courses, taught by faculty in scheduled state and class room, senano user requirement.

output: entity relation thep pragram that clearly shows: -> All identify entities with attributes - All relationship with appropriate cordinalities appropriately and primary key marked appropriately. (19) bi squb LMG tribulo 1 borns (4) (6) - 2 ma) dept - nome SMAP Result! there tack helped us to understand the importance of conceptual design en database system. Using draw. 70: We were able to 119 civally model a real-time. I collect slot booking land management system! ento ER diagram. Apli. Jal2 VEL TECH EX-NO. Jal2 PERFORMANCE (5) RESULTAND, ANALYSIS (5) VIVA VOCE (5) RECORD (6) TOTAL (20) SIGN WITH DATE Result! 26/8

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turton to the morpoin indonated a pitaling · Man'b planty 22to-12-410 this 35115bin all towallation up Student 2 post of Course Student\_id(P2) dept-id (PK) email dept-name name academic year booke type apt ab Louty sind 10 Told William Disson Contages \$2000 tob institute of toon plousily of to stoteron book presond las (nonskoth 9) Expli- tol2 slot-type Instructor date Slot-type Venue +2 mones of 12 10 boiled 420+ 2711 His importances you concepted decign in took to book engli with print the role of oh sported of the hold of the total of the

1.2 Convert ER program ento Relational

49m: -

To Draw ER diagram for college slot management.

steps for conventing the ER diagram to the table

· Entity type becomes a table

· All single-valued attribute becomes a coloumn for the table

· A key attribute of the entity type represented by the primary key

o the multivalued attribute is represented by a seperate table

o Derived attributes are not considered in the table.

EX NO.	(1)
PERFORMANCE (5)	17
RESULT AND ANALYSIS (5)	)
/IVA VOCE (5)	9
RECORD (5)	3
OTAL (20)	15
IGN WITH DATE	17

Result: 
Hence, the velationship model of coilege slot booking a management using ER model was completed.