

Task 1:- Conceptual design using ER model

Aim:- Conceptual Design using ER model for college

:- Management system using draw.io

<https://draw.io> (or) Creatly (ERD Plus)

Steps involved in creating ER diagram.

Step 1:- Understanding.

\* Analyze the real world applications: college management system.

\* Understand domain: student, admission, lecture subjects.

Step 2:- Identify major entities.

Entities are core components representing objects (or) concepts:

\* Students

\* Admission.

\* Time table

\* Lecture

\* Subjects.

Step 3:- Identify Attributes for entity.

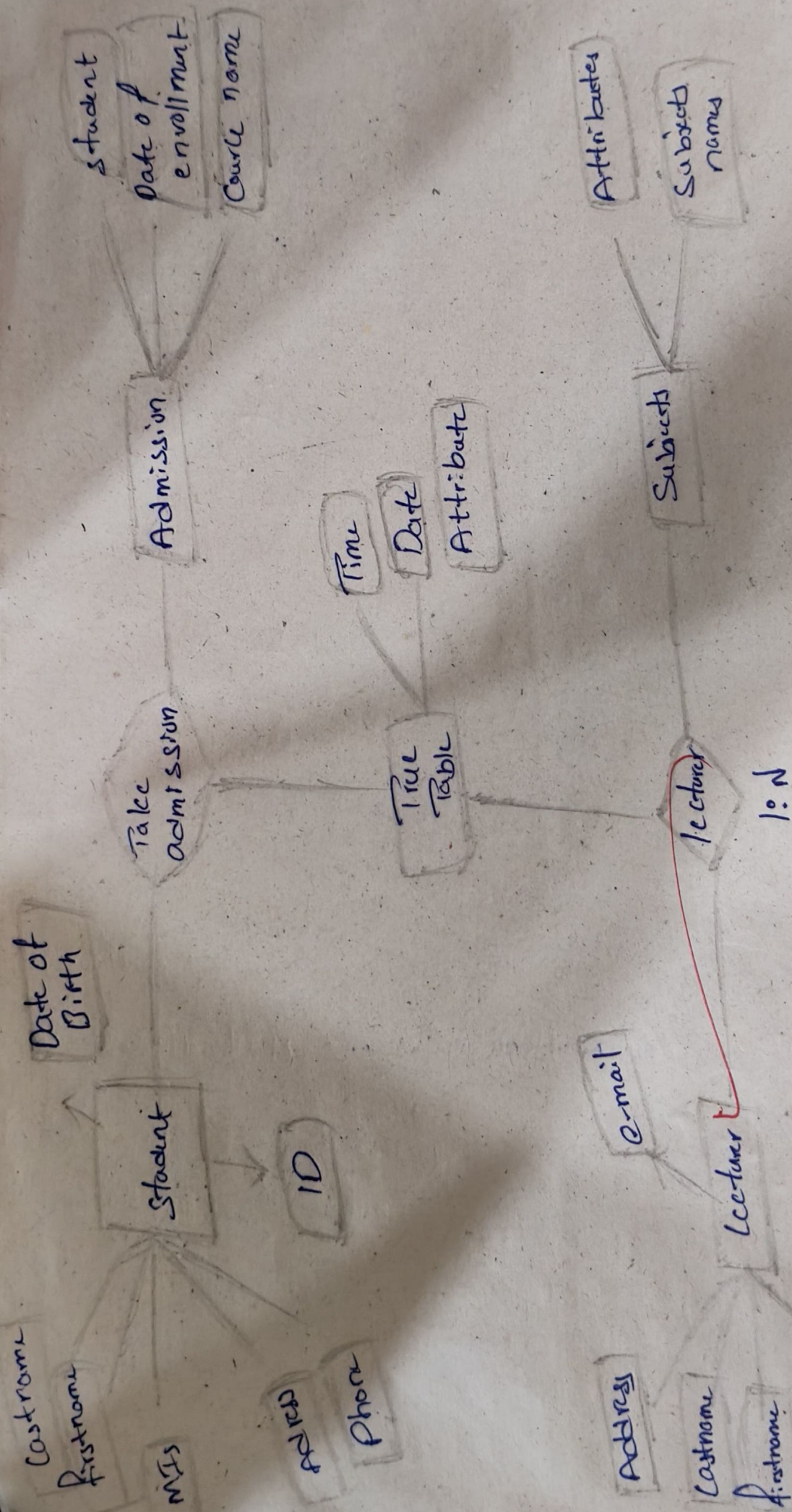
Entity Attributes.

Students:- Name, student ID, Address, DOB, Department

Admissions:- Admission-num, course name, date of enrollment, student ID,

Time table:- Time, date, classes.







Lecturer:- Name, Lecture, ID, Gender, Department  
Ph-num.

Subjects:- Subject name, Subject code.

Step 4:- Relationship b/w entities

- \* students take one (or) more Admissions.
- \* Admission Students gets time table.
- \* Time table gives one (or) more lectures.
- \* Lectures teachers one (or) more subjects.

Steps:- Draw ER diagram using draw.io

- \* open <https://draw.io>
- \* choose blank diagram → click create.
- \* from left Panel, draws the following.
- \* use ellipse for attributes.
- \* ~~connect~~ using lines.
- \* ~~solid~~ lines for relationship connectors.

Input for ER design

Real-time college management system Scenario-use  
requirements.

Date base design relies on Entities - Attribute - Relationship



Result Conceptual design using FR Model for college management system using draw. it has been Implemented successfully and task is done.

VEL TECH - CSE	
EX NO.	1.5
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	-
RECORD (5)	2
TOTAL (20)	12
SIGN WITH DATE	28/7