

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:- Identifying 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.

Date of Birth

Customer

First name

Student

Date of enrollment

Talk admission

Student

MIS

Course Name

Address

Phone

ID

Time

Date

True Table

Attribute

Address

Last name

First name

E-mail

Attributes

Subjects names

Subject

Lecturer

1:N

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 timetable.
- \* Time-table gives one (or) more lectures.
- \* Lectures teaches one (or) more subjects.

Steps :- Draw ER diagram using draw.io

- \* open <http://draw.io>
- \* choose blank diagram → click create.
- \* from left Panes - 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 rules Entities - Attributes - 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.★
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	—
RECORD (5)	2
TOTAL (20)	12
SIGN WITH DATE	28/07/2017