



## Department of Information Technology

**Academic Year: 2024-25**

**Semester: III**

**Class / Branch: SEIT-C**

**Subject: SQL Lab**

**Name of Instructor: Prof. Charul Singh**

**Name of Student: Rehan shaikh**

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**Date of Performance:18/07/2024**

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### Experiment No. 1

**Aim:-** To study and design the different Entity Relationship (ER) model components

**Software used:** Dia Diagram Editor 0.97.2

**Theory:-**

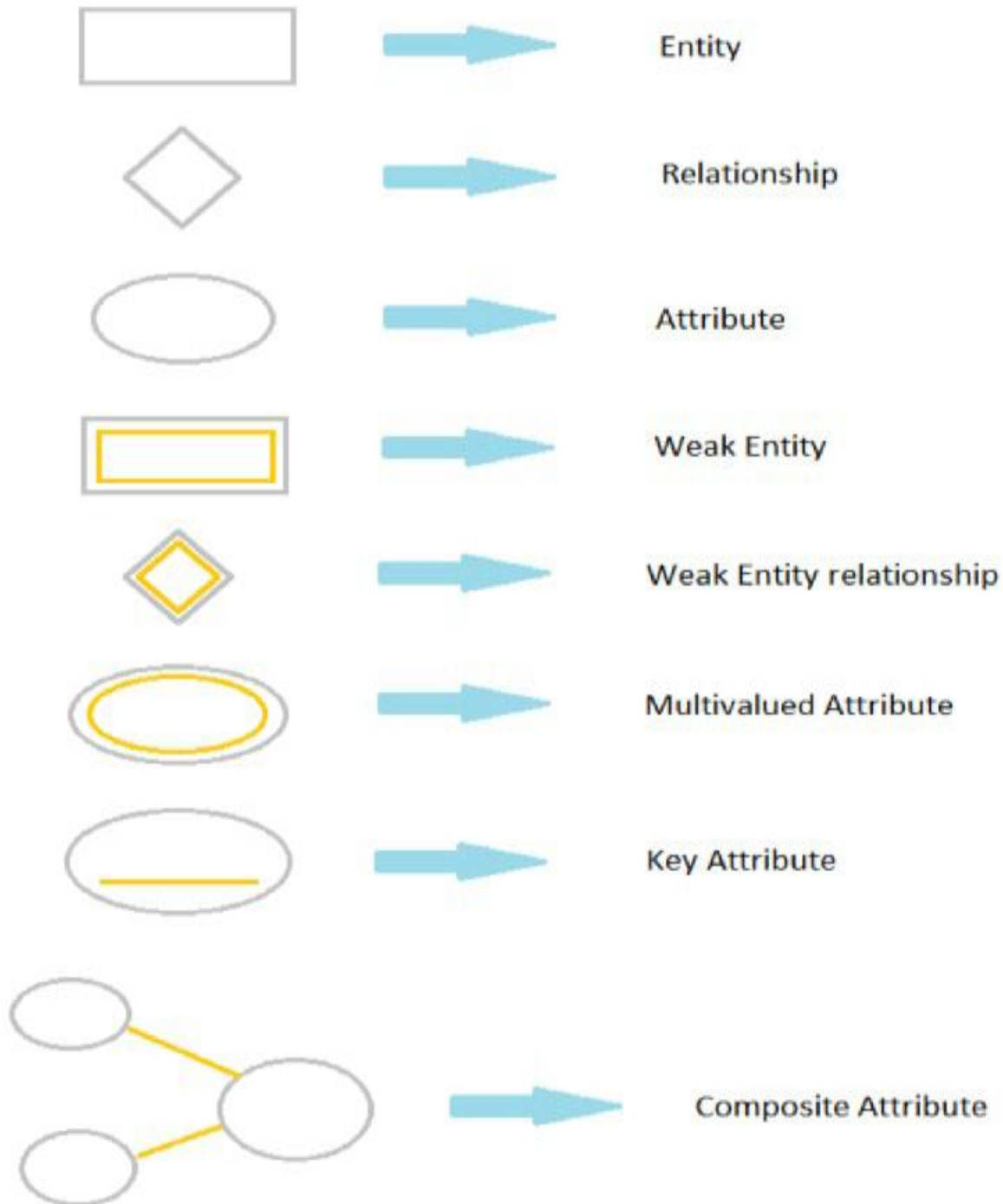
#### E-R Diagram

An ER model is composed of entity types and specifies relationships that can exist between instances of those entity types. An entity-relationship model is the result of using a systematic process to describe and define a subject area of business data. It does not define business process; only visualize business data. ER-Diagram is a visual representation of data that describes how data is related to each other.





## Symbols and Notations



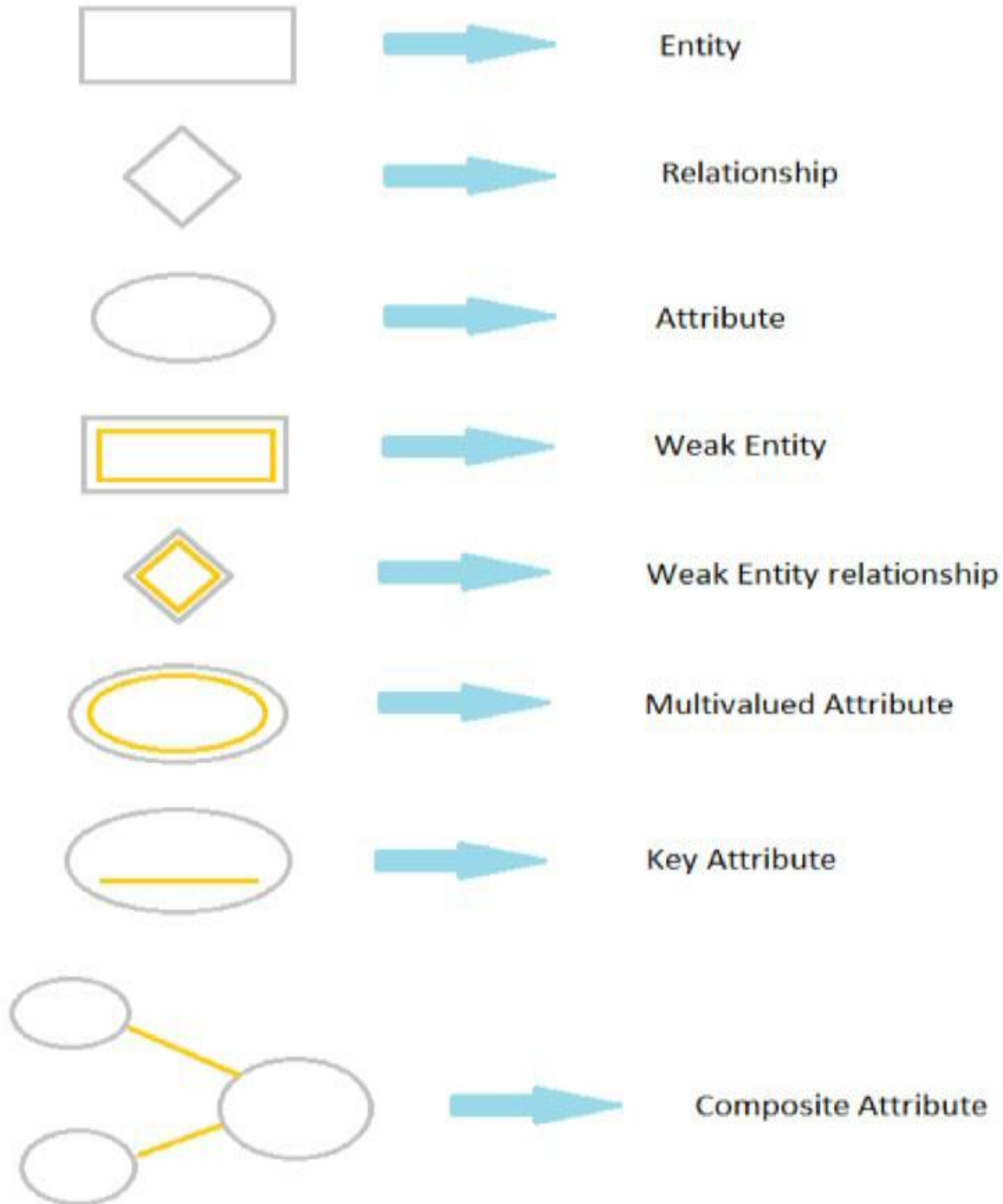


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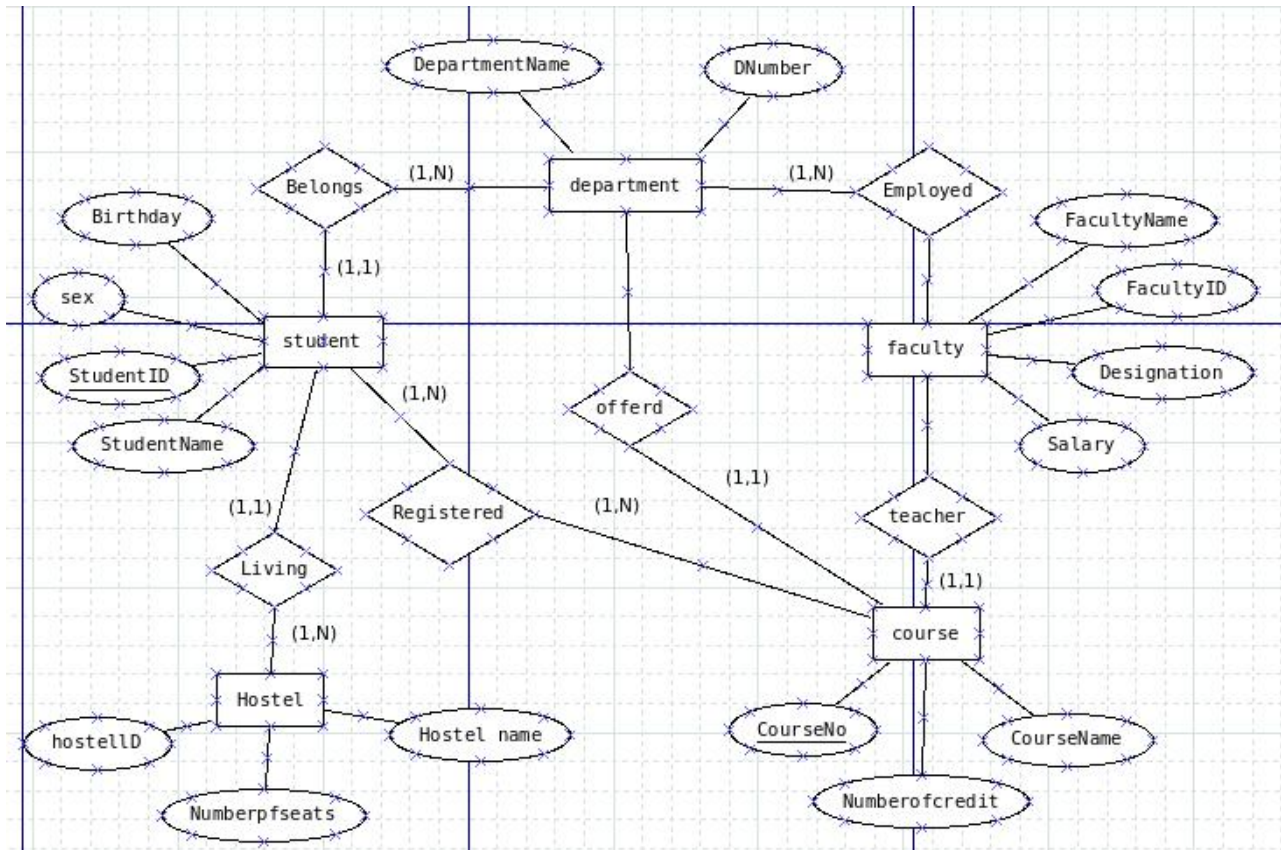
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**Entity Relationship Diagram:**



**Draw an ER Diagram for College Administration Database  
(Paste your diagram)**

**Conclusion:** Hence we learned to express information in graphical form through Entity Relationship (ER) model components