



Department of Electrical and Computer Engineering  
North South University

SPRING 2024

**Assignment - 1**

**ERD Design and Implementation**

**Submitted By**

Saif Mohammed

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**Course Details**

CSE311 (Section 1)

Database Management Systems

**Submitted To**

Dr. Abu Sayed Mohammad Latiful Hoque

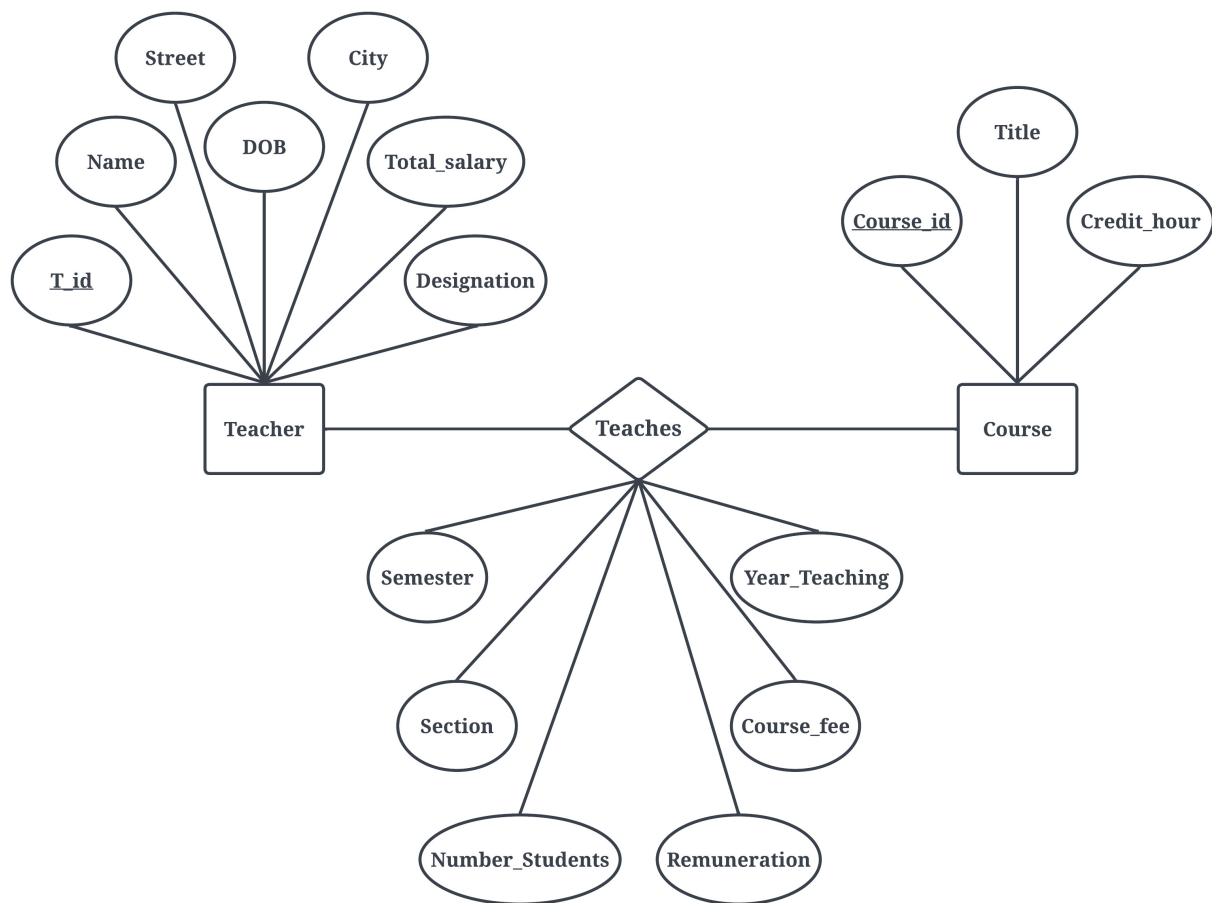
Professor, Department of Electrical and Computer Engineering

North South University

**Submission Date**

February 27, 2024

## Q1 - ER Diagram (Chen Notation):



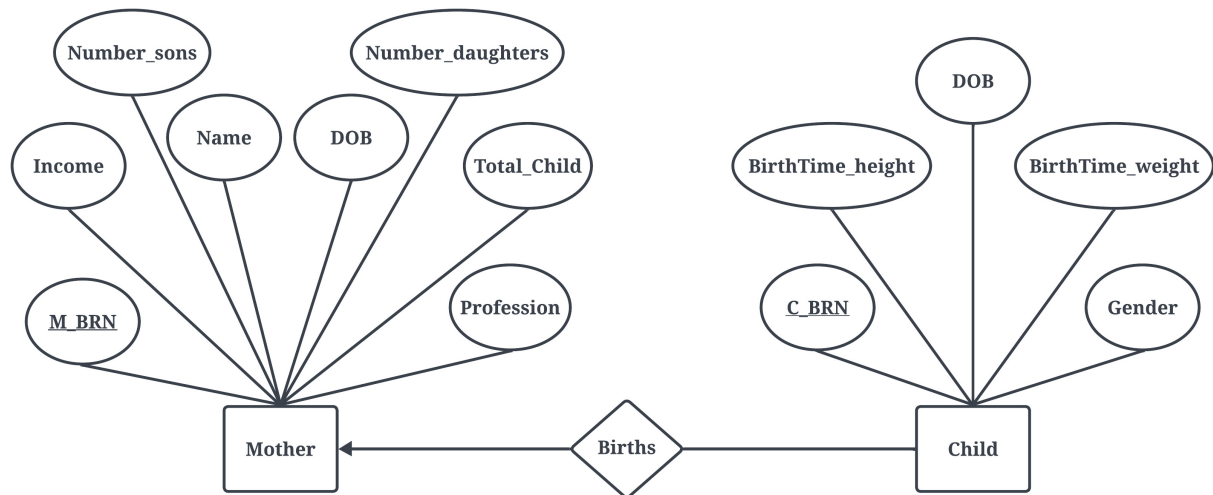
## Q1 - Schemas:

Teacher(T\_id, Name, DOB, Street, City, Designation, Total\_Salary)

Course(Course\_id, Title, Credit\_hour)

Teaches(T\_id, Course\_id, Semester, Year\_Teaching, Remuneration, Section, Number\_students, Course\_fee)

## Q2 - ER Diagram (Chen Notation):

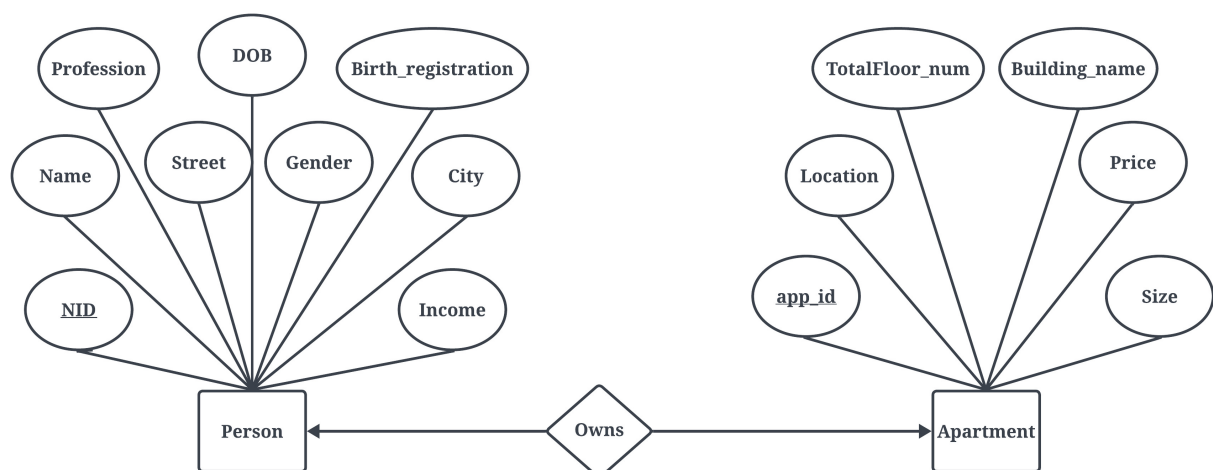


## Q2 - Schemas:

Mother(M\_BRN, Name, Number\_sons, Number\_daughters, Total\_child, DOB, Profession, Income)

Child(C\_BRN, Name, DOB, BirthTime\_height, BirthTime\_weight, Gender, M\_BRN)

## Q3 - ER Diagram (Chen Notation):



## Q3 - Schemas:

Person(NID, Name, Gender, DOB, Profession, Income, Street, City, Birth\_registration, Apart\_id)

Apartment(Apart\_id, Size, Building\_name, TotalFloor\_num, Location, Price)