

# Department of Electrical and Computer Engineering North South University

**SPRING 2024** 

#### Assignment - 1

## ERD Design and Implementation

#### Submitted By

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#### Course Details

CSE311 (Section 1)

Database Management Systems

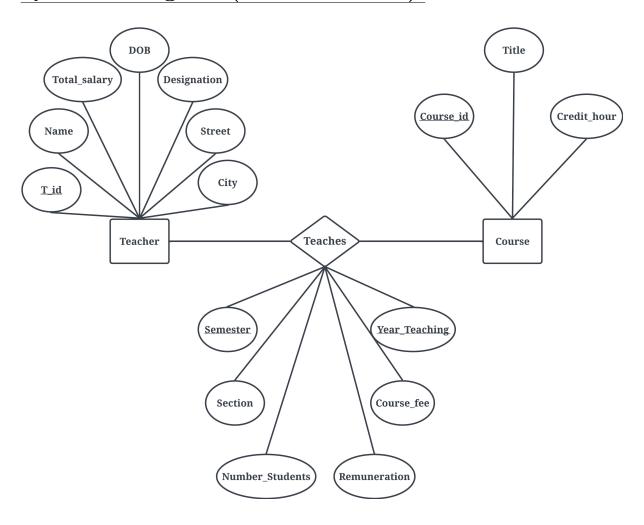
#### Submitted To

Dr. Abu Sayed Mohammad Latiful Hoque Professor, Department of Electrical and Computer Engineering North South University

#### Submission Date

February 29, 2024

# Q1 - ER Diagram (Chen Notation):



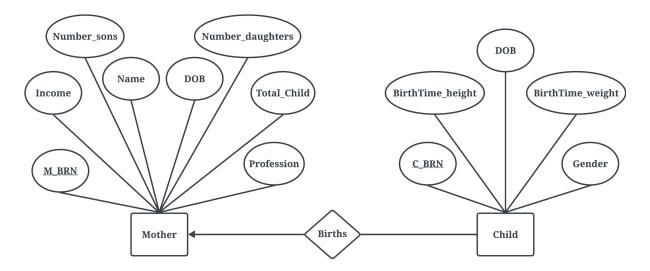
### Q1 - Schemas:

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

Course\_id, Title, Credit\_hour)

 $\label{eq:course_id} \begin{array}{ll} \text{Teaches}(\underline{\textbf{T}\_id},\ \underline{\textbf{Course}\_id},\ \underline{\textbf{Semester}},\ \underline{\textbf{Year}\_\textbf{Teaching}},\ \text{Remuneration},\ \text{Section},\ \text{Number\_students},\ \underline{\textbf{Course}\_fee}) \end{array}$ 

### Q2 - ER Diagram (Chen Notation):

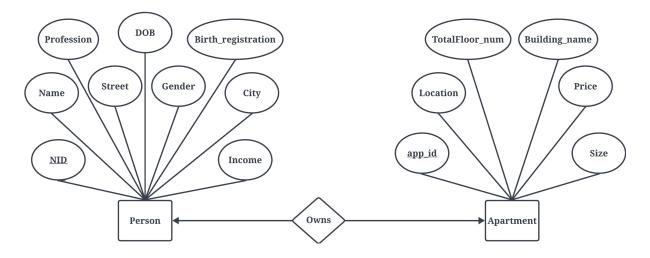


### Q2 - Schemas:

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

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

### Q3 - ER Diagram (Chen Notation):



#### Q3 - Schemas:

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

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