

## 1. FIRST NORMAL FORM (1NF):

1. **People** (**Person\_ID**, **Name**, **Address** (Street Number, Apartment Number, City, Street, Zip Code), **Birth\_Date**, **Phone**)
2. **Staff** (**staff\_ID**, **Job\_Type**, **Technical License**)
3. **Assistant** (**assist\_ID**, **TA\_Type**, **Soft-Skills**, **Degree Level**)
4. **Faculty** (**fac\_ID**, **Rank**)
5. **Professor** (**fac\_ID**, **Prof\_Rank**)
6. **Lecturer** (**fac\_ID**, **Lecturer\_Rank**)
7. **Student** (**std\_ID**)
8. **Department** (**Dept\_Name**, **Number of Courses**, **Number of Students**, **Deputy-Dean**, **Chair**, **fac\_ID**)
9. **IT-Support** (**staff\_ID**, **IT\_License**)
10. **Course** (**Course\_Code**, **Course\_Name**, **Credit\_Hour**, **fac\_ID**)
11. **TA** (**TA\_ID**, **TA\_Type**, **fac\_ID**)
12. **TA\_Course\_Assignment** (**TA\_ID**, **Course\_Code**)

## 2. SECOND NORMAL FORM (2NF):

### Conditions for 2NF:

1. All tables must be in 1NF.
2. No partial dependencies on the primary key.

### Adjustments:

1. **People** (**Person\_ID**, **Name**, **Address\_ID**, **Birth\_Date**, **Phone**)
2. **Staff** (**staff\_ID**, **Job\_Type**, **Technical License**)
3. **Assistant** → {**assist\_ID**, **Soft-Skills**, **Degree Level**} **Faculty** (**fac\_ID**)
4. **Student** (**std\_ID**)
5. **Department** (**Dept\_Name**, **Number of Courses**, **Number of Students**, **Deputy-Dean**, **Chair**, **fac\_ID**)
6. **Professor** → {**Prof\_Rank**}
7. **Lecturer** → {**Lecturer\_Rank**}
8. **Teaching Assistant** → {**TA\_Type**}
9. **IT-Support** (**IT\_License**)

10. **Course** (**Course\_Code**, **Course\_Name**, **Credit\_Hour**)

### 3. THIRD NORMAL FORM (3NF):

#### Conditions for 3NF:

1. All tables must be in 2NF.
2. No transitive dependencies.

#### Adjustments:

1. **People** (**Person\_ID**, **Name**, **Address\_ID**, **Birth\_Date**, **Phone**)
  - **Address** (**Address\_ID**, **Street Number**, **Apartment Number**, **City**, **Street**, **Zip Code**)
2. **Staff** (**staff\_ID**, **Job\_Type**, **Technical License**)
3. **Assistant** (**assist\_ID**, **TA\_Type**, **Soft-Skills**, **Degree Level**)
4. **Faculty** (**fac\_ID**, **Rank**)
  - **Professor** (**fac\_ID**, **Prof\_Rank**)
  - **Lecturer** (**fac\_ID**, **Lecturer\_Rank**)
5. **Student** (**std\_ID**)
6. **Department** (**Dept\_Name**, **Number of Courses**, **Number of Students**, **Deputy-Dean**, **Chair**, **fac\_ID**)
  - **DeputyDean** (**Dept\_Name**, **fac\_ID**)
  - **Chair** (**Dept\_Name**, **fac\_ID**)
7. **IT-Support** (**staff\_ID**, **IT\_License**)
8. **Course** (**Course\_Code**, **Course\_Name**, **Credit\_Hour**, **fac\_ID**)
  - **TA\_Course\_Assignment** (**TA\_ID**, **Course\_Code**)
  - **TA** (**TA\_ID**, **TA\_Type**, **fac\_ID**)