**Entities and Relationships:**

**1)Employee Table**

|  |
| --- |
| **NUM\_E (**Primary Key**)** |
| Name |
| Position |
| Salary |
| Num\_S(Foreign Key) |

*Each employee is assigned to one department.*

**2)Department Table**

|  |
| --- |
| Num\_S(Primary\_Key) |
| Label |
| ManagerName |

*Each department is uniquely identified by* Num\_S *and may have multiple employees and projects.*

**3)Project Table**

|  |
| --- |
| **NUM\_P(Primary Key)** |
| Title |
| StartDate |
| EndDate |
| Num\_S(Foreign Key) |

*Each project belongs to one department, and a department can have multiple projects.*

**Employee\_Project** Table

|  |
| --- |
| RecordID (Primary Key) |
| Num\_E (Foreign Key referencing Employee.Num\_E) |
| Num\_P (Foreign Key referencing Project.Num\_P) |
| Role |

**Summary of Keys:**

* **Primary Keys**:
  + Employee: Num\_E
  + Department: Num\_S
  + Project: Num\_P
  + Employee\_Project: RecordID
* **Foreign Keys**:
  + Employee.Num\_S → Department.Num\_S
  + Project.Num\_S → Department.Num\_S
  + Employee\_Project.Num\_E → Employee.Num\_E
  + Employee\_Project.Num\_P → Project.Num\_P