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# Employee Logical Model

## EmployeeHistory

| | Column | Type |
|----|----------------|-------------|
| PK | EmploymentID | varchar(10) |
| FK | EmployeeID | varchar(10) |
| | DateOfEmployment | Date |
| FK | DesignationID | varchar(10) |
| FK | LocationID | varchar(10) |
| | IsActive | Boolean |
| | CreatedById | varchar(10) |
| | CreatedOn | Datetime |
| | UpdatedByID | varchar(10) |
| | UpdatedOn | Datetime |

## EmployeeAttendance

| | Column | Type |
|----|-------------|-------------|
| PK | AttendanceID | varchar(10) |
| FK | EmployeeID | varchar(10) |
| | AttendDate | Date |
| | LoginTime | Time |
| | LogoutTime | Time |
| | IsActive | Boolean |
| | CreatedById | varchar(10) |
| | CreatedOn | Datetime |
| | UpdatedByID | varchar(10) |
| | UpdatedOn | Datetime |

## Employee

| | Column | Type |
|----|---------------------|-------------|
| PK | EmployeeID | varchar(10) |
| | FirstName | varchar(50) |
| | LastName | varchar(50) |
| FK | DepartmentID | varchar(10) |
| FK | DesignationID | varchar(10) |
| FK | LocationID | varchar(10) |
| | District | varchar(50) |
| | AreaName | varchar(50) |
| | Email | varchar(50) |
| | RoadNo | varchar(10) |
| | HouseNo | varchar(10) |
| | OptionalPhoneNumber | varchar(20) |
| | DateOfBirth | Datetime |
| | NID | varchar(20) |
| | FatherName | varchar(50) |
| | FatherPhoneNumber | varchar(20) |
| | MotherName | varchar(50) |
| | MotherPhoneNumber | varchar(20) |
| | ReferenceName | varchar(50) |
| | ReferencePhoneNumber | varchar(20) |
| | PassingYearSSC | int(4) |
| | PassingYearHSC | int(4) |
| | PassingYearBSc | int(4) |
| | BScGrade | float(4,2) |
| | IsActive | Boolean |
| | CreatedById | varchar(10) |
| | CreatedOn | Datetime |
| | UpdatedOn | Datetime |
| | UpdatedByID | varchar(10) |

## Departments

| | Column | Type |
|----|------------------|-------------|
| PK | DepartmentID | varchar(10) |
| | DepartmentName | varchar(10) |
| | DepartmentInitial | varchar(10) |
| | DesignationID | varchar(10) |
| | IsActive | Boolean |
| | CreatedById | varchar(10) |
| | CreatedOn | Datetime |
| | UpdatedByID | varchar(10) |
| | UpdatedOn | Datetime |

## Designations

| | Column | Type |
|----|-----------------|-------------|
| PK | DesignationID | varchar(10) |
| | DesignationName | varchar(10) |
| | DesignationInitial | varchar(10) |
| | IsActive | Boolean |
| | CreatedById | varchar(10) |
| | CreatedOn | Datetime |
| | UpdatedByID | varchar(10) |
| | UpdatedOn | Datetime |

## Locations

| | Column | Type |
|----|------------------|-------------|
| PK | LocationID | varchar(10) |
| | District | varchar(50) |
| | Area | varchar(50) |
| | DepartmentInitial | varchar(10) |
| | Road | varhar(10) |
| | IsActive | Boolean |
| | CreatedById | varchar(10) |
| | CreatedOn | Datetime |
| | UpdatedByID | varchar(10) |
| | UpdatedOn | Datetime |