**Proper Database design**

**Entity:** Faculty

**Attributes:** Faculty (FacultyID, FacultyName, FacultyOfficeNumber, FacultyHomePhone, UniversityGraduatedFromID, HighestDegreeEarnedID)

PK 🡪 FacultyID

FK UniversityGraduatedFromID 🡪 UniversityGraduatedFrom

FK HighestDegreeEarnedID 🡪 HighestDegreeEarned

**Entity:** UniversityGraduatedFrom

**Attributes:** UniversityGraduatedFrom (UniversityGraduatedFromID, UniversityGraduatedFromName)

PK 🡪 UniversityGraduatedFromID

**Entity:** HighestDegreeEarned

**Attributes:** HighestDegreeEarned (HighestDegreeEarnedID, HIghestDegreeName)

PK 🡪 HighestDegreeEarnedID

**Entity:** Courses

**Attributes:** Courses (CourseID, CourseCreditHours, CourseDescription)

PK 🡪 CourseID

**Entity:** FacultyCourse

**Attributes:** FacultyCourse (FacultyID, CourseID, LastSemesterTaught)

FK FacultyID -> Faculty

FK CourseID -> Courses

FacultyID and CourseID is composite primary key of FacultyCourse table.

**Entity:** committees

**Attributes:** Committees (CommitteeID, CommitteeName)

PK 🡪 CommitteeID

**Entity:** Students

**Attributes:** Students (StudentID, StudentName, StudentPhone, AdvisorID)

PK 🡪 StudentID

FK AdvisorID -> Faculty (FacultyID)

**Entity:** FacultyCommittees

**Attributes:** FacultyCommittees (FacultyID, CommitteeID)

FK FacultyID 🡪 Faculty

FK CommitteeID 🡪 Committees

**Database Diagram:**

HighestDegreeEarned

UniversityGraduatedFrom

FacultyCourse

Courses

Faculty

Committees

FacultyCommittees

Students