Functional Dependency Enumeration

Person:  
PersonID 🡪PersonID,PersonName,PersonAddress,PersonStreet,PersonCity,PersonZipcode,Email,Gender  
PersonCity,PersonStreet,PersonAddress🡪PersonZipcode

Primary Key: PersonID  
This relation schema is not in BCNF nor 3NF. However, for the sake of system simplicity and the low cost of data redundancy in this case, we decide to keep it this way.

Phone:  
PhoneNumber🡪PhoneNumber,PersonID,PhoneType

This schema is in BCNF.

Company:  
CompanyID 🡪CompanyID,CompanyName,CompanyAddress ,CompanyStreet,CompanyCity,CompanyZipcode,CompanySector,CompanyWebsite   
CompanyAddress,CompanyStreet,CompanyCity🡪 CompanyZipcode

Primary Key: CompanyID  
This relation schema is not in BCNF nor 3NF. However, for the sake of system simplicity and the low cost of data redundancy in this case, we decide to keep it this way.

JobProfile:  
JprofileCode🡪 JprofileCode ,JprofileTitle,JprofileDescription

This schema is in BCNF.

Job:  
JobCode🡪JobCode,JobType,PayRate,PayType,CompanyID,JprofileCode  
PayRate🡪PayType

This schema is in BCNF.

Project:  
ProjectID🡪ProjectID,ProjectTitle,ProjectDirector,BudgetCode,ProjectStartDate,ProjectEndDate

This schema is in BCNF.

KnowledgeSkill:  
KSCode🡪KSCode,KSTitle,KSDescription,KSLevel

This schema is in BCNF.

Course:  
CourseID🡪CourseID,CourseTitle,CourseLevel,CourseDescription,CourseStatus,CoursePrice

This schema is in BCNF.

Section:  
SectionID,CourseID,Year,CompleteDate🡪 SectionID,CourseID,Year,CompleteDate,OfferedBy,Format,SectionPrice

This schema is in BCNF.

Certificate:  
CertCode🡪CertTitle,CertDescription,ExpDate,IssuedBy,CertToolCode

This schema is in BCNF.