[Entity]

1. Professor(ssn, name, age, rank, speciality)
2. Dept(dno, dname, office, *run\_professor\_ssn*)
3. Graduate(ssn, name, age, deg\_prog, *dept\_dno, graduate\_ssn*)
4. Project(pid, sponsor, start\_date, end\_date, budget, *manager\_ssn*)

[Relationship]

1. Work\_dept(professor\_ssn, pct\_time, dept\_dno)
2. Work-in(professor\_ssn, project\_pid)
3. Work-prog(project\_pid, graduate\_ssn)