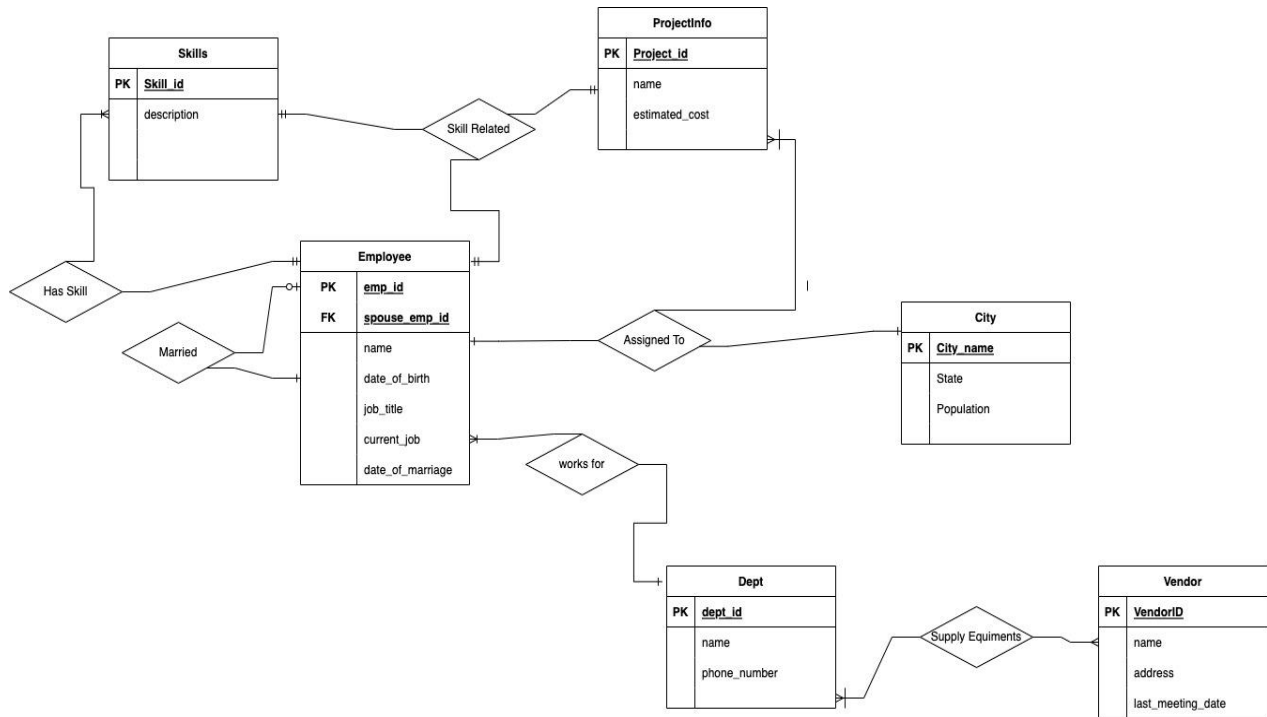


# ER Diagram



## Entities and their attributes:

- Employee: emp\_id (PK), name, date\_of\_birth, job\_title, current\_job, date\_of\_marriage, spouse\_emp\_id (FK)
- Dept: dept\_id (PK), name, phone\_number
- Vendor: vendor\_id (PK), name, address, last\_meeting\_date
- Project: project\_id (PK), name, estimated\_cost
- Skill: skill\_id (PK), description
- City: city\_name (PK), state, population

**Entity-Relationship:**

Employee table has a unary relationship – Married

Employee has many to one relationship with Dept table – Work For

Employee has one to many relationship with Skill table – Has Skill

Dept Table has Many to Many relationship with Vendor Table – Supplies Equipment.

Employee, Project, City has ternary relationship -Assigned To , required constraints are shown in above diagram

Employee, Project, Skill has ternary relationships – Skill Related, required constraints are shown

**Team Number 27**

Nivith Avula-11594234

Vinod Paul Saka-11558146

Anirudh Bussa-11563583

Sai Nithin Maipath-11611496

Madaram Joel-11534556