**COLLEGE POOL**

**Business Functions:**

1. Every university has a unique university Id (univId) and the name of the university.
2. Location table has a unique city Id for every city with the city name and the state name.
3. Journal table has a unique identifier for each journal and the journal name.
4. Programs has the list of all programs which are all identified with a unique identifier pgmId.
5. Each university is located in a particular city whose detailed address can be found from the location table.
6. The course details such as tuition fee, average salary, acceptance rate, average GRE and GMAT scores, average GPA scores etc. are captured in a ternary relationship between University and Program. Course details are unique to each university for a particular program in the respective academic year.
7. Rankings are published by the journals for each academic year with respect to the university and the program offered.
8. At least one journal should have published rankings in an academic year for a program.

**ER Schema:**

Entities, Attributes and Primary Keys

University(**univId**, univName)

Location(**ctyId**, ctyName, ctyState)

Program(**pgmId**, pgmName)

Journal(**journalId**, journalName)

Relationships, Degrees, Attributes, Participating Entities and Constraints

Situated In: Binary Relationship

1 Location to 0 or more Universities

1 University to 1 Location

Course Details: Binary Relationship (tuitionFee, avgJobSalary, acceptanceRate, avgGREscore, avgGMATscore, avgGPA score)

1 University to 0 or many programs

1 program to 1 or many university

Published rankings: Ternary Relationship (rank)

1 University, 1 Program to 1 or many Publisher/Journal

1 University, 1 Publisher to 1 or many Programs

1 program, 1 Publisher to 1 or many University

**ER Diagram:**

A screenshot of a cell phone

Description generated with very high confidence

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