# **Relational Schema “College management system”**

Student

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| id INT (PK) | First name | Last name | Phone number | Email address | type | GPA |

Course

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course id (PK) | Course name | Prerequisite | description | Credit hour |

Course enrollment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Enrollment id(PK) | Type | Date | Student id | Course id |

Program

|  |  |  |  |
| --- | --- | --- | --- |
| Program id (PK) | name | description | Type |

Program enrollment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Enrollment id(PK) | type | Date | Student id | Program id |

Department

|  |  |
| --- | --- |
| Dep\_id(PK) | Dep\_name |

Course Department

|  |  |
| --- | --- |
| Dep\_id(PK,FK) | Course\_id(PK,FK) |

College

|  |  |  |
| --- | --- | --- |
| College\_id(PK) | College name | College Address |

College department

|  |  |
| --- | --- |
| College id (PK,FK) | Dep\_id (PK,FK) |

Role

|  |  |
| --- | --- |
| Role id (PK) | Role name |

Administrator

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Admin id(PK) | First name | Last name | address | Phone no | email | position | level | College id |

Staff

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Staff id(PK) | First name | Last name | address | Phone no | email | position | salary | College id |

Faculty

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Faculty id(PK) | First name | Last name | address | Phone no | email | position | College id |

Faculty assignment

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Assign id(PK) | Assignment type | Start date | End date | Recurring type | Specific days | Faculty id | Department id |

Admin role

|  |  |
| --- | --- |
| Admin id(PK) | Role id |

Staff Role

|  |  |
| --- | --- |
| Staff id (PK) | Role id |

Faculty role

|  |  |
| --- | --- |
| Faculty id (PK,FK) | Role id (PK,FK) |