NORMALIZATION

NORMALIZATION

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DEPARTMENT | DepartmentID | d1 | SCHOOL | SchoolID | s1 |
| departmentName | d2 | schoolname | s2 |
| SchoolID | s1 | VcID | v1 |
| INSTRUCTOR | InstructorID | i1 | PROGRAM | ProgramID | p1 |
| fname | i2 | programname | p2 |
| lname | i3 | DeppartmentID | d1 |
| qualification | i4 | COURSE | CourseID | c1 |
| address | i5 | coursetitle | c2 |
| dateofbarth | i6 | coursetype | c3 |
| gender | i7 | ProgramID | p1 |
| contactNo | i8 | ENROLLEMENT | enrollementD | r1 |
| email | i9 | year | r2 |
| DepartmentID | d1 | semester | r3 |
| CO | CoID | o1 | enrollementdate | r4 |
| coursename | o2 | StudentID | t1 |
| PloID | l1 | ProgramID | p1 |
| STUDENT | StudentID | t1 | ASSESMENT | AssesmentNo | a1 |
| fname | t2 | assesmenttype | a2 |
| lname | t3 | Sectionid | e1 |
| guardianName | t4 | Studentid | t1 |
| address | t5 | CoID | o1 |
| dateofbirth | t6 | PloID | l1 |
| gender | t7 | SECTION | SectionID | e1 |
| contactNo | t8 | sectionno | e2 |
| noonsemester | t9 | roomno | e3 |
| email | t10 | CourseID | c1 |
| nationality | t11 | PLO | PloID | l1 |
| enrollementID | r1 | details | l2 |
| sectionID | e1 | ProgramID | p1 |
| VC | vcID | v1 | DEPARTMENTHEAD |  |  |
| fname | v2 |  |  |
| lname | v3 | DEAN |  |  |
| qualification | v4 |  |  |  |

|  |  |
| --- | --- |
| d1-> | d2, s1 |
| i1-> | i2, i3, i4, i5, i6, i7, i8, i9, d1 |
| o1-> | o2, l1 |
| t1 -> | t2, t3, t4, t5, t6, t7, t8, t9, t10, t11, r1, e1 |
| v1-> | v2, v3, v4 |
| s1-> | s2, v1 |
| p1-> | p2, d1 |
| c1-> | c2, c3, p1 |
| r1-> | r2, r3, r4, t1, p1 |
| a1-> | a2, e1, t1, o1, l1 |
| e1-> | e2, e3, c1 |
| l1-> | l2, p1 |

|  |  |
| --- | --- |
| DepartmentID-> | departmentname, SchoolID |
| InstructorID-> | fname, lname, qualification, address, dateofbirth, gender, contactNo, email, DepartmentID |
| CoID-> | coursename, PloID |
| StudentID-> | fname, lname, parentsname, address, dateofbirth, gender, contactNo, noofsemester, email, nationality, enrollmentID, sectionID |
| vcID-> | fname, lname, qualification |
| SchoolID-> | schoolName, vcID |
| ProgramID-> | programname, DepartmentID |
| CourseID-> | coursetitle, coursetype, ProgramID |
| enrollementID-> | year, semester, enrollementDate, StudentID, CoID, PloID |
| sectionID-> | sectionNo, roonNo, courseID |
| PloID-> | details, ProgramID |
| DepartmentHead |  |
| DEAN |  |