|  |  |  |  |
| --- | --- | --- | --- |
| Name | type | Size | Remark |
| School ID | VARCHAR | 6 | This is the primary  Key of this relation. It contains the ID of the school.  Ex: SETS |
| SchoolName | VARCHAR | 30 | This is the name of the school  Ex: School of engineering and technology. |

**DATA DICTIONARY**

SCHOOL:

DEPARTMENT:

|  |  |  |  |
| --- | --- | --- | --- |
| NAME | TYPE | SIZE | REMARK |
| DeptID | VARCHAR | 5 | This is the primary key  Of this relation which contains the ID of dept  Ex: CSE, EEE |
| DeptName | VARCHAR | 30 | This is the name of dept.  Ex: Computer Science and Engineering. |
| SchoolID | VARCHAR | 6 | This is the foreign key from SCHOOL table. |

Course:

|  |  |  |  |
| --- | --- | --- | --- |
| NAME | TYPE | SIZE | REMARK |
| Course ID | VARCHAR | 10 | This is the primary key  Of this relation which contains the ID of course.  Ex: CSE303 |
| Course Name | text |  | This is the name of course.  Ex: Database management system |
| Number of credits | number |  | It contains the number of credits for a course.  Ex: 3 credits for DBMS |
| Dept ID | VARCHAR | 10 | This is the foreign key from Department table. |
| Number of sections | Number |  | It contains number of sections.  Ex:4 Section in |
| Classroom Number | Number |  | It contains the number of classrooms  Ex: 5 |
| Prerequisite | VARCHAR | 6 | It contains number of prerequisite courses.  Ex: 203 prerequisite 201 |

FACULTY:

|  |  |  |  |
| --- | --- | --- | --- |
| NAME | TYPE | SIZE | REMARK |
| Faculty ID | VARCHAR | 4 | This is the primary key of the relation. It contains the Id of the faculty.  Ex:4242 |
| Faculty Name | text |  | It contains the name of the faculty.  EX: Ms. Sadita Ahmed |
| Course ID | VARCHAR | 7 | Course Id is the foreign  Key from COURSE table. |

SECTIONS:

|  |  |  |  |
| --- | --- | --- | --- |
| NAME | Type | Size | Remark |
| Section number | number | 10 | This is the primary key of this relation.  It contains the total number of sections.  Ex: CSE 303 HAS 4 SECTIONS |
| Course ID | Number | 10 | This is the primary key as well as a foreign key from COURSE table. |
| Semester | Datetime |  | This is a primary key of this relation. It contains the session and year of the semester.  Ex: Summer,2022 |
| Faculty ID | number | 10 | Faculty ID is the foreign key from FACULTY table. |
| ClassroomNumber | number | 10 | Classroom number is a foreign key from CLASSROOM table. |
| Max Capacity | NUMBER | 10 | This is a foreign key from CLASSROOM |
| Enrolled Capacity | number |  | It contains the number of enrolled capacity.  Ex: CSE303 has 30 seats |
| Starttime | Datetime | “dd/mm/yy” | It contains the time and date of a course.  Ex:8AM |
| Block Status | bool |  | It will check section block or not  Ex: section is block or not. |
| Endtime | Datetime | “dd/mm/yy” | It contains the time and date of a course.  Ex: 11am |
| Days | Datetime | “dd/mm/yy” | It contains the time and date of a course.  Ex: MW |

CLASSROOM:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Size | Remark |
| ClassroomNumber | VARCHAR | 6 | This is the primary key of this relation it contains the classroomNumber.  Ex:BC5004 |
| MAX Capacity | NUMBER | 6 | It contains the maximm capacity of the class.  Ex: CSE303(30) |
| Section number | NUMBER |  | This is a foreign key from SECTION. |

RESOURCES:

|  |  |  |  |
| --- | --- | --- | --- |
| NAME | Type | Size | Remark |
| Section number | NUMBER | 7 |  |
| Course ID | NUMBER | 7 |  |
| Number of Classroom | NUMBER | 7 |  |
| MAX Capacity | NUMBER | 7 |  |