**Data Dictionary**

**Schools\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nschoolID | BIGINT | 20 | This is the Primary Key of School Example: “1” |
| cschoolName | VARCHAR | 255 | This is the name of the School. Example: “School of Engineering, Technology and Science” |

**Departments\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| cdepartmentID | VARCHAR | 255 | This is the Primary Key of the Department. Example: “CSE” |
| cdepartmentName | VARCHAR | 255 | This is the name of the Department. Example: “Computer Science and Engineering” |
| nschool\_id | BIGINT | 20 | This is the Foreign Key of the table School. Example: “1” |

**Programs\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| cprogramID | VARCHAR | 255 | This is the Primary Key of the program. Example: “EEE” |
| cprogramCode | VARCHAR | 255 | This is the program name in short form for a Program Example:”B.Sc”. |
| cprogramName | VARCHAR | 255 | This is the name of the Degree Program. Example: “Bachelor of Science” |
| cdepartment\_id | VARCHAR | 255 | This is the Foreign Key from the Department table. Example: “CSE” |

**Courses\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| ccourseID | VARCHAR | 255 | This is the Primary Key for the Course. Example: “CSE203” |
| ccourseName | VARCHAR | 255 | This is the name of the Course. Example:” Data Structure” |
| nnoOfCredits | INTEGER | 11 | This is the credit for the Course. Example: ”3” |
| cprogram\_id | VARCHAR | 255 | This is the Foreign Key from Program table Example:” 1”. |

**Employees\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nemplyeeID | BIGINT | 20 | This is the Primary Key for Faculty. Example: “1803” |
| cfname | VARCHAR | 255 | This is the first name of the Faculty. Example: “​Sadita” |
| clname | VARCHAR | 255 | This is the last name of the Faculty Example: “Ahmed” |
| ddateOfBirth | DATE | DD-MM-Y | This the Date of Birth of the Faculty YYY  Example: “01-01-1993” |
| cgender | VARCHAR | 255 | This is the gender of the Faculty. Example: “F” |
| cemail | VARCHAR | 255 | This is the email address of the Faculty. Example: “sadita@iub.edu.bd” |
| cphone | VARCHAR | 255 | This is the phone number of the Faculty. Example: “01292383111” |
| caddress | VARCHAR | 255 | This is the address of the Faculty. Example: “House 1, Road 1, Sector 1, Area, Dhaka, Bangladesh, |

**Faculties\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nFemplyeeID | BIGINT | 20 | This is the Primary Key for Faculty. Example: “1803” |
| cdepartment\_id | BIGINT | 20 | This is the Foreign Key from the Department table. Example: “CSE” |

**vcs\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nvemployeeID | BIGINT | 20 | This is the Primary Key for employees. Example: “1803” |
| djoiningDate | DATE | YYYY-MM-DD | The date when the employee assigned in the job. Example “2012-12-05” |
| dleaveDate | DATE | YYYY-MM-DD | The date when the duration of assigned job end. Example “2016-12-05” |

**Deans\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nDFemployeeID | BIGINT | 20 | This is the Primary Key for Faculty. Example: “1803” |
| djoiningDate | DATE | YYYY-MM-DD | The date when the employee assigned in the job. Example “2012-12-05” |
| dleaveDate | DATE | YYYY-MM-DD | The date when the duration of assigned job end. Example “2016-12-05” |
| nmanagingSchool | BIGINT | 20 | This is the foreign Key from the Schools table Example: “1” |

**HeadOfDepts\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nHFemployeeID | BIGINT | 20 | This is the Primary Key for Faculty. Example: “1803” |
| djoiningDate | DATE | YYYY-MM-DD | The date when the employee assigned in the job. Example “2012-12-05” |
| dleaveDate | DATE | YYYY-MM-DD | The date when the duration of assigned job end. Example “2016-12-05” |
| nmanagingDepartment | BIGINT | 20 | This is the foreign Key from the departments table Example: “1” |

**Students\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| cstudentID | BIGINT | 20 | This is the Primary Key for the Students. Example: “1800001” |
| cfname | VARCHAR | 255 | This is the first name of the Student. Example: “Shoban” |
| clname | VARCHAR | 255 | This is the last name of the Student. Example: “Bhowmik” |
| ddateOfBirth | DATE | DD-MM- YYYY | This the Date of Birth of the Student. Example: “1998-01-01” |
| cgender | VARCHAR | 255 | This is the gender of the Student. Example: “M” |
| cemail | VARCHAR | 255 | This is the email address of the Student. Example: “1850105@iub.edu.bd” |
| cphone | VARCHAR | 255 | This is the phone number of the Student. Example: “0191211141” |
| caddress | VARCHAR | 255 | This is the address of the Student. Example: “House 1, Road 1, Sector 1, Area, Dhaka, Bangladesh” |
| ncgpa | FLOAT | 53 | This is the cgpa of the Student. Example: 4.00 |
| dadmissionDate | DATE | DD-MM- YYYY | This the Date of admission of the Student. Example: “2016-01-01” |
| cprogram\_id | VARCHAR | 255 | This is the Foreign Key from Programs table Example:” B.Sc”. |

**Sections\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nsection\_id | BIGINT | 20 | This is the Primary Key for Sections |
| nsectionNo | INTEGER | 11 | This is the section number. Example: “1” |
| ccourse\_id | VARCHAR | 255 | This is the foreign key from the Courses table. Example: “CSE101” |
| nFemployee\_id | BIGINT | 20 | This is the foreign key from Faculties table Example: “108051” |
| nsemester\_id | BIGINT | 20 | This is the foreign key from semesters table Example: “1” |

**Registers\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nregisterID | BIGINT | 20 | This is the Primary Key for Registers |
| nSemisterID | BIGINT | 20 | This is the Foreign Key from semesters table |
| nsection\_id | BIGINT | 20 | This is the Foreign Key from sections table |
| nstudent\_id | BIGINT | 20 | This is the Foreign Key from students table |
| ngradePoint | FLOAT | 53 | This is the grade value for each course. Example “3.7” |

**Semesters\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nsemester\_id | BIGINT | 20 | This is the Primary Key for semester |
| csemesterName | VARCHAR | 255 | This is the name of the semester. Example: “summer19” |
| dstartDate | DATE | YYYY-MM-DD | The date when the semester starts. Example “2012-12-05” |
| dendDate | DATE | YYYY-MM-DD | The date when the semester end. Example “2013-3-05” |

**Assessments\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nassessmentID | BIGINT | 20 | This is the Primary Key for Assessments |
| nco\_id | BIGINT | 20 | This is the Foreign Key from cos table |
| cmarksObtainable | INTEGER | 11 | This is the question’s mark. Example”30” |
| cquestionNumber | VARCHAR | 255 | This is the question number. Example “Q1” |
| nassessmentTypeID | BIGINT | 20 | This is the foreign key from assessmentTypes table |

Plos\_T

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nplo\_id | BIGINT | 20 | This is the primary key for Program Learning Outcome. Example: “01” |
| nplo\_no | INTEGER | 11 | This is the PLO NO for Program Learning Outcome. Example: “O1” |
| cdetails | VARCHAR22 | 255 | This is the details of the Program Learning Outcome. Example: “An ability to select and apply the knowledge, techniques, skills, and modern |
| cprogram\_id | VARCHAR | 255 | This is the foreign key from Programs table Example: ”B.Sc”. |

**Cos\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nco\_id | BIGINT | 20 | This is the Primary Key cos Outcome. Example: ”1” |
| nco\_no | INTEGER | 11 | This is the number of the Courses Outcome. Example: ”1” |
| ccourse\_id | VARCHAR | 255 | This is the Foreign Key from the Courses table. Example: “CSE101” |

**MARKSDISSEMINATIONS\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nmarksdissemination\_id | BIGINT | 20 | This is the Primary Key MarksDisseminations Outcome. Example: ”1” |
| nmarksObtained | INTEGER | 11 | This is the number of the marksObtained. Example: ”50” |
| nassessmentID | BIGINT | 20 | This is the Foreign Key from the assessment table. Example: “5” |
| nstudentID | BIGINT | 20 | This is the Foreign Key from the students2 table. Example: “1610044” |

**ASSESSMENTTYPES\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| nassessmentTypeID | BIGINT | 20 | This is the Primary Key assessmentTypes Outcome. Example: ”1” |
| cassessmentType | VARCHAR | 255 | This is the assessment type of the assessment. Example: ”Quiz”, ”mid” |
| nassessmentPercentage | INTEGER | 11 | This is the number of percentage given an assessment Example: “50” |
| nsectionID | BIGINT | 20 | This is the Foreign Key from the sections table. Example: “8” |

**COMAPPING\_T**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Data Type** | **Size** | **Remark** |
| ncoMappingID | INTEGER | 20 | This is the Primary Key of comapping Outcome. Example: ”1” |
| ncoID | BIGINT | 20 | This is the foreign key of cos\_T Example: ”7”, |
| npoID | BIGINT | 20 | This is the foreign key of plos\_T Example: ”7”, |