SCHOOL

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| SchoolID | INT | 10 | This is the Primary Key of School  Example: “1,2,3,4” |
| SchoolName | VARCHAR | 50 | This is the name of the School.  Example: “School of Engineering, Technology  and Science” |

DEPARTMENT

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| DepartmentID | INT | 10 | This is the Primary Key of the Department.  Example: “CSE” |
| DepartmentName | VARCHAR | 25 | This is the name of the Department.  Example: “Computer Science and Engineering” |
| SchoolID | INT | 10 | This is the Foreign Key of the table School.  Example: “1,2,3,4” |

FACULTY

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| FacultyID | INT | 10 | This is the Primary Key for Faculty.  Example: “2506” |
| first\_name | VARCHAR | 15 | This is the first name of the Faculty.  Example: “Abu” |
| last\_name | VARCHAR | 15 | This is the last name of the Faculty  Example: “Sayed” |
| gender | VARCHAR | 10 | This is the gender of the Faculty .  Example: “M” |
| dateofBirth | DATE | DD-MM-YYYY | This the Date of Birth of the Faculty.  Example: “20-12-1980” |
| email | VARCHAR | 15 | This is the email address of the Faculty.  Example: “abusayed@iub.edu.bd” |
| address | VARCHAR | 30 | This is the address of the Faculty.  Example: “House 39, Road 15, Sector 12, Uttara,  Dhaka, Bangladesh” |
| phone | INT | 15 | This is the phone number of the Faculty.  Example: “01689656497” |
| DepartmentID | INT | 10 | This is the Foreign Key from the Department  table.  Example: “CSE” |

PROGRAM

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| ProgramID | INT | 10 | This is the Primary Key for a Program  Example: ”B.Sc”. |
| ProgramName | VARCHAR | 50 | This is the name of the Degree Program.  Example: “Bachelor of Science” |
| DepartmentID | INT | 10 | This is the Foreign Key from the Department  table.  Example: “CSE” |

STUDENT

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| StudentID | INT | 10 | This is the Primary Key for the Student.  Example: “1811111” |
| first\_name | VARCHAR | 15 | This is the first name of the Student.  Example: “Tonmoy” |
| last\_name | VARCHAR | 15 | This is the last name of the Student.  Example: “Tahsin” |
| gender | VARCHAR | 10 | This is the gender of the Student.  Example: “M” |
| dateOfBirth | DATE | DD/MM/YYYY | This the Date of Birth of the Student.  Example: “08-05-1998” |
| email | VARCHAR | 15 | This is the email address of the Student.  Example: “1811111@iub.edu.bd” |
| address | VARCHAR | 30 | This is the address of the Student.  Example: “House 14, Road 2, Bashundhara R/A,  Dhaka, Bangladesh” |
| phone | INT | 15 | This is the phone number of the Student.  Example: “01645467909” |
| cgpa | NUMERIC | 5 | This is the Cumulative GPA of the student.  Example: “ 3.65” |
| DepartmentID | INT | 10 | This is the Foreign Key from the Department  table.  Example: “CSE” |
| ProgramID | INT | 10 | This is the Foreign Key from Program table  Example: ”B.Sc”. |
| SchoolID | INT | 10 | This is the Foreign Key from School table  Example: ”SETS”. |

SEMESTER

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| SemesterID | INT | 10 | This is the Primary key of the semester.  example : “1” |
| semesterName | VARCHAR | 50 | This is the name of Semester.  Example: “Spring 2021” |

COURSE

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| CourseID | INT | 10 | This is the Primary Key for the Course.  Example: “CSE303” |
| courseName | VARCHAR | 15 | This is the name of the Course.  Example: ”Database management system” |
| courseType | VARCHAR | 10 | This is the type of the Course.  Example: “Major” |
| noOfCredits | INT | 1 | This is the credit for the Course.  Example: ”4” |
| noOfSections | INT | 2 | This is the total number of section.  Example : “3” |
| SemesterID | INT | 10 | This is the Foreign Key from Semester table  Example: ”B.Sc”. |
| ProgramID | INT | 10 | This is the Foreign Key from Program table  Example: ”B.Sc”. |

SECTION

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| SectionID | INT | 10 | This is the Primary Key for Section |
| sectionNo | INT | 2 | This is the section number.  Example: “1” |
| noOfStudents | INT | 3 | This is the total number of students enrolled.  Example: “40” |
| SemesterID | INT | 10 | This is the foreign Key from the Semester table.  Example: “1” |
| FacultyID | INT | 10 | This is the foreign Key from the Faculty table.  Example: “2501” |
| CourseID | INT | 10 | This is the foreign Key from the Course Table  Example: “CSE303 |
| StudentID | INT | 10 | This is the foreign Key from the Student table.  Example: “1811111” |

ENROLLMENT

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| EnrollmentID | INT | 10 | This is the Primary Key for Enrollment. |
| SemesterID | INT | 10 | This is the foreign Key from the Semester table.  Example: “1” |
| SectionID | INT | 10 | This is the Foreign Key from SectionID |
| StudentID | INT | 10 | This is the foreign Key from the Student table.  Example: “1811111” |

EVALUATION

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| EvaluationID | INT | 10 | This is the Primary Key for Evaluation |
| marksObtained | INT | 3 | This is the marks obtained by the Student  Example: “45.5” |
| AssessmentID | INT | 10 | This is the Foreign Key from Assessment table |
| EnrollmentID | INT | 10 | This is the Foreign Key from Enrollment table |

ASSESSMENT

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| AssessmentID | INT | 10 | This is the Primary Key for Enrollment |
| marksObtained | INT | 3 | This is the semester of Enrollment  Example: “Summer” |
| COID | INT | 10 | This is the Foreign Key from the Course  Outcome table  Example: |
| SectionID | INT | 10 | This is the Foreign Key from the Section table. |
| StudentID | INT | 10 | This is the Foreign Key from the Student table. |
| SemesterID | INT | 10 | This is the Foreign Key from the Semester table. |

CourseGrade

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| GradeID | INT | 10 | This is the Primary Key of CourseGrade table. |
| StudentID | INT | 10 | This is the Foreign Key from Student table |
| SemesterID | INT | 10 | This is the Foreign Key from Semester table |
| SectionID | INT | 10 | This is the Foreign Key from Section table |
| FacultyID | INT | 10 | This is the Foreign Key from Faculty table |
| CourseName | VARCHAR | 10 | This is the name of the Course.  Example: ”Database management system” |
| ProgramID | INT | 10 | This is the Foreign Key from Program table |
| DepartmentName | VARCHAR | 10 | This is the name of the Department.  Example: “Computer Science and Engineering” |
| SchoolName | VARCHAR | 10 | This is the name of the School.  Example: “School of Engineering, Technology and Science” |
| CourseGrade | CHAR | 1 | This is the grade of the course.  Example: “B+” |
| CourseGradePoint | NUMERIC | 10 | This is the grade point of the course.  Example : 3.33 |

TRANSCRIPT

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| TranscriptID | INT | 10 | TranscriptID represent different transcript data.  Examole: TranscriptID=”2341” |
| grade | VARCHAR | 2 | Grade represents individual grades of courses.  Example : “B+” |
| gpa | NUMERIC | 5 | GPA represents individual gpa .  Example : “4.00” |
| CourseName | VARCHAR | 10 | This is the name of the Course.  Example: ”Database management system”. |
| StudentID | INT | 10 | This is the Foreign Key from Student table. |
| SemesterID | INT | 10 | This is the Foreign Key from Semester table. |
| SectionID | INT | 10 | This is the Foreign Key from Section table. |

PLO

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| PLOID | INT | 10 | Unique representation ID of each PLO  Example: “PLO1” |
| PLONo | varchar | 5 | This is the number of Program Learning Outcomes. |
| PLODetails | varchar 30 | 30 | This is the details of the Program Learning  Outcome.  Example: “An ability to select and apply the  knowledge, techniques, skills, and modern  tools of the computer science and  engineering discipline” |
| ProgramID | INT | 10 | This is the Foreign Key from the program table. |

CO

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Size | Remark |
| COID | INT | 10 | Unique representation ID of each CO  Example: “CO1” |
| CONo’ | varchar | 5 | This is the number of the Course Outcome.  Example: ”1” |
| CODetails | varchar | 30 | This is the details of course outcomes.  Examples: “CO1,CO2” |
| CourseID | INT | 10 | This is the Foreign Key form Course table. |
| PLOID | INT | 10 | This is the Foreign Key from PLO table. |