**Table: STUDENT\_INFORMATION**

**Primary Key : STUDENT\_INFO\_ID, STUDENT\_NO**

**Description:**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **CONSTRAINTS** |
| **STUDENT\_INFO\_ID** | **INTEGER(10)** | **PRIMARY KEY, AUTO\_INCREMENT** |
| **STUDENT\_NO** | **VARCHAR(50)** | **PRIMARY KEY** |
| FIRSTNAME | VARCHAR(50) | NOT NULL |
| LASTNAME | VARCHAR(50) | NOT NULL |
| GENDER | VARCHAR(50) | NOT NULL |
| PERMANENT\_ADDRESS | VARCHAR(50) | NOT NULL |
| TEMPORARY\_ADDRESS | VARCHAR(50) |  |
| CITY |  |  |
| COUNTRY | VARCHAR(50) | NOT NULL |
| PHONE\_NO | INTEGER(50) | NOT NULL |
| EMAIL\_ID | VARCHAR (50) | NOT NULL |
| DATE\_OF\_BIRTH | DATE | NOT NULL(check constraiant) |
| DATE\_OF\_JOINING | DATE | NOT NULL |
| INTAKE | VARCHAR (50) | NOT NULL |
| START\_DATE | DATE | NOT NULL |
| END\_DATE | DATE | NOT NULL |
| EMERGENCY\_CONTACT\_NAME | VARCHAR (50) | NULL |
| EMERGENCY\_CONTACT\_NUMBER | INTEGER(50) | NULL |
| MODIFIED\_DATE | DATE | DEFAULT TODAY DATE |

**Table: DEPARTMENT\_INFORMATION**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **CONSTRAINTS** |
| DEPARTMENT\_ID | INTEGER(10) | PRIMARY KEY, AUTO\_INCREMENT |
| DEPARTMENT\_NO | VARCHAR (50) | PRIMARY KEY |
| DEPARTMENT\_NAME | VARCHAR (50) | NOT NULL |
| HEAD\_OF\_THE\_DEPARTMENT | VARCHAR (50) | NOT NULL |

**Table: COURSE\_INFORMATION**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **CONSTRAINTS** |
| COURSE\_ID | INTEGER(10) | PRIMARY KEY, AUTO\_INCREMENT |
| COURSE\_CODE | VARCHAR(50) | PRIMARY KEY |
| COURSE\_NAME | VARCHAR(50) | NOT NULL |
| NO\_OF\_CREDITS | INTEGER(10) | DEFAULT 1 |
| DEPARTMENT\_ID | INTEGER(10) | FOREIGN KEY REFRENCES DEPARTMENT |

**Table: GROUP\_INFORMATION**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **CONSTRAINTS** |
| GROUP \_ID | INTEGER(10) | PRIMARY KEY, AUTO\_INCREMENT |
| SHIFT | VARCHAR (50) | NOT NULL |
| SEMESTER | VARCHAR (50) | NOT NULL |
| CLASSROOM\_NO | VARCHAR (50) | NOT NULL |
| INTAKE | VARCHAR (50) | NOT NULL |
| FACULTY\_INFO\_ID | INTEGER(10) | FOREIGN KEY REFRENCES FACULTY\_INFORMATION |

**Table: STUDENT\_COURSE\_INFORMATION**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **CONSTRAINTS** |
| STUDENT\_COURSE\_INFO\_ID | INTEGER(10) | PRIMARY KEY, AUTO\_INCREMENT |
| STUDENT\_NO | VARCHAR(50) | FOREIGN KEY REFRENCES STUDENT\_INFORMATION |
| COURSE\_ID | INTEGER(10) | FOREIGN KEY REFRENCES COURSE\_ID |
| START\_DATE | DATE |  |
| END\_DATE | DATE |  |
| MODIFIED\_DATE | DATE | DEFAULT TODAY DATE |
| GROUP\_ID | INTEGER(10) | FOREIGN KEY REFRENCES GROUP\_INFORMATION |

**ASSIGNMENT**

**Assi 1,2 mid term, final exam, lab test percentage**

**Table: STUDENT\_ASSIGNMENT\_INFORMATION**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **CONSTRAINTS** |
| STUDENT\_GRADE\_INFO\_ID | INTEGER(10) | PRIMARY KEY, AUTO\_INCREMENT |
| STUDENT\_NO | VARCHAR(50) | FOREIGN KEY REFRENCES STUDENT\_INFORMATION |
| ASSIGNMENT\_TOPIC | VARCHAR (50) | NOT NULL |
| PERCENTAGE\_PER\_ASSIGNEMENT | INTGEGER(10) | NOT NULL |
| MARK | FLOAT(10,2) | DEFAULT 0.0 |
| COURSE\_ID | INTEGER(10) | FOREIGN KEY REFRENCES COURSE\_ID |
| DATE | DATE |  |
| COMMENTS | VARCHAR (50) |  |
| MODIFIED\_DATE | DATE | DEFAULT TODAY DATE |

**Table: FACULTY\_INFORMATION**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **CONSTRAINTS** |
| FACULTY\_ID | INTEGER(10) | PRIMARY KEY, AUTO\_INCREMENT |
| FACULTY T\_NO | VARCHAR(50) | PRIMARY KEY |
| FIRSTNAME | VARCHAR(50) | NOT NULL |
| LASTNAME | VARCHAR(50) | NOT NULL |
| GENDER | VARCHAR(50) | NOT NULL |
| PERMANENT\_ADDRESS | VARCHAR(50) | NOT NULL |
| TEMPORARY\_ADDRESS | VARCHAR(50) | NOT NULL |
| COUNTRY | VARCHAR(50) | NOT NULL |
| PHONE\_NO | INTEGER(50) | NOT NULL |
| EMAIL\_ID | VARCHAR (50) | NOT NULL |
| DATE\_OF\_BIRTH | DATE |  |
| DATE\_OF\_JOINING | DATE |  |
| MODIFIED\_DATE | DATE | DEFAULT TODAY DATE |
| EMERGENCY CONTACT NAME | VARCHAR (50) | NULL |
| EMERGENCY CONTACT NUMBER | INTEGER(50) | NULL |

**Table: STUDENT\_ATTENDANCE\_INFORMATION**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **CONSTRAINTS** |
| ATTENDANCE\_ID | INTEGER(10) | PRIMARY KEY, AUTO\_INCREMENT |
| DATE | DATE |  |
| NO\_OF\_HOURS | INTEGER(10) | DEFAULT ‘5’ |
| STUDENT\_NO | VARCHAR(50) | FOREIGN KEY REFRENCES STUDENT\_INFORMATION |
| GROUP\_INFO\_ID | INTEGER(10) | FOREIGN KEY REFRENCES GROUP\_INFORMATION |

Login table

Roles tables (student,staff)

Audit\_table (user\_id,table\_name,operation performed,comments)