**DataBase Design**

**1.User\_tb**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| User\_id | Int | 5 | Primary  Key,Auto  Increment | User Id |
| User\_Name | Varchar | 20 | Not null | User Name |
| User\_gender | Varchar | 10 | Not null | Gender |
| User\_phone | Int | 12 | Not null | Phone Number |
| Photo | varchar | 50 | Not null | User image |
| User\_Type | varchar | 10 | Not null | Type of user:  Student or Staff |
| Status | int | 2 | Not null | Active or not:  1 or 0 |

**2.Student\_tb**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Stud\_Id | Int | 5 | Primary  Key,Auto  Increment | Student Id |
| Bat\_Id | Int | 5 | Foreign Key | Batch Id |
| l\_Id | Int | 5 | Foreign Key | Login Id |
| User\_id | Int | 5 | Foreign Key | User Id |
| Add\_id | int | 5 | Foreign Key | Address Id |
| Stud\_roll | Int | 5 | Not Null | Student Roll no |
| Stud\_guard | Varchar | 20 | Not Null | Student guardian Name |
| Stud\_gphn | Int | 12 | Not Null | Student guardian’s Phone |
| Course\_id | int | 5 | Foreign Key | Course Id |
| Semester | Int | 5 | Not Null | Semester |

3.Staff\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Sf\_id | Int | 5 | Primary  Key,Auto  Increment | Staff Id |
| l\_id | Int | 5 | Foreign Key | Login Id |
| User\_id | Int | 5 | Foreign Key | User Id |
| D\_id | Int | 5 | Foreign Key | Designation Id |
| Add\_id | int | 5 | Foreign Key | Address id |
| Qua\_id | int | 20 | Foreign Key | Qualification |

4.Login\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| l\_id | Int | 5 | Primary  Key,Auto  Increment | Login Id |
| User\_id | int | 5 | Foreign Key | User id |
| User\_name | Varchar | 20 | Not null | Login Username |
| User\_pw | Varchar | 10 | Not null | Login Password |
| Role | Int | 2 | Not null | Role Setup |

5.classTeacher\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| ClassT\_id | Int | 5 | Primary Key,Auto Increment | Class Id |
| Sf\_id | Int | 5 | Foreign Key | Staff Id |
| User\_id | int | 5 | Foreign Key | User Id |
| Bat\_id | Int | 5 | Foreign Key | Branch Id |
| Semester | Int | 5 | Not null | Semester |

6.Subteacher\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| subt\_id | Int | 5 | Primary Key,Auto Increment | Subject Teacher  Id |
| sf\_id | Int | 5 | Foreign Key | Staff ID |
| Sub\_id | Int | 5 | Foreign Key | Subject id |

7.Attendance\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| att\_Id | Int | 5 | Primary  Key,Auto  Increment | Attendance Id |
| Sf\_id | Int | 5 | Foreign Key | Staff Id |
| Stud\_id | Int | 5 | Foreign Key | Student Id |
| date | date | 10 | Not Null | Date of  attendance |
| hour | varchar | 10 | Not null | Attendance of each hour |
| Stat | Binary | 2 | Not Null | Indication |

8.Address\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| add\_Id | Int | 5 | Primary  Key,Auto  Increment | Address Id |
| House\_name | varchar | 20 | Not null | House Name |
| House\_no | Int | 5 | Not null | House number |
| Place | varchar | 20 | Not Null | Place name |
| Post\_office | varchar | 20 | Not Null | Post office name |
| Pin\_code | int | 10 | Not null | Pin code |

9.Course\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Cou\_id | Int | 5 | Primary  Key,Auto  Increment | Course Id |
| Cou\_name | Varchar | 10 | Not Null | Course Name |

10.Branch\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Br\_id | Int | 5 | Primary  Key,Auto  Increment | Branch Id |
| Br\_name | Varchar | 10 | Not Null | Branch Name |
| Cou\_id | Int | 5 | Foreign Key | Course Id |

11.Batch\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Bat\_Id | Int | 5 | Primary  Key,Auto  Increment | Batch Id |
| Br\_Id | Int | 5 | Foreign Key | Branch Id |
| Bat\_name | Varchar | 10 | Not Null | Batch Name |

12.Subject\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Sub\_id | Int | 5 | Primary  Key,Auto  Increment | Subject Id |
| Sem\_id | Int | 5 | Foreign Key | Semester Id |
| Sub\_name | varchar | 15 | Not Null | Subject Name |
| Sf\_id | Int | 5 | Foreign Key | Staff Id |

13.Designation\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Desig\_id | Int | 5 | Primary  Key,Auto  Increment | Designation Id |
| Desig | Varchar | 20 | Not Null | Designation |

14.Qualification\_tb

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Qua\_id | Int |  | Primary  Key,Auto  Increment | Qualification |
| Qua\_name | Varchar | 30 | Not Null | Qualification  Name |