

TABLE DESIGN

Login

Primary key : **Login_id**

Foreign key **Utype_id** references table **User_type**

Name	Type(size)	Constraints	Description
Login_id	Varchar2(10)	Primary key	Login ID
Email	Varchar2(20)	Foreign key	Email of selected applicant
Password	Varchar2(10)	NOT NULL	Secret password
Utype_id	Varchar2(10)	Foreign key	User type id

User_type

Primary key : **Utype_id**

Name	Type(size)	Constraints	Description
Utype_id	Varchar2(10)	Primary key	User type ID
Name	Varchar2(20)	NOT NULL	User type

Department

Primary key : **D_id**

Name	Type(size)	Constraints	Description
D_id	Varchar2(10)	Primary key	Department ID
Name	Varchar2(20)	NOT NULL	Department name
Status	Varchar2(10)	NOT NULL	Active/inactive status

Teacher

Primary key : **Teacher_id**

Foreign key **Login_id** references table **Login**

Foreign key **Dept_id** references table **Department**

Name	Type(size)	Constraints	Description
Teacher_id	Varchar2(10)	Primary key	Teacher ID
Name	Varchar2(30)	NOT NULL	Teacher's name
DOB	Date	NOT NULL	Date of Birth
Gender	Varchar2(10)	NOT NULL	Teacher's gender
Address	Varchar2(50)	NOT NULL	Teacher's address
Email	Varchar2(20)	NOT NULL, UNIQUE	Teacher's email address
Phone	Varchar2(20)	NOT NULL	Teacher's phone number
Dept_id	Varchar2(10)	Foreign key	Department ID
Qualification	Varchar2(10)	NOT NULL	Highest Qualification
Login_id	Varchar2(10)	Foreign key	Login ID

Course

Primary key : **Course_id**

Foreign key **Dept_id** references table **Department**

Name	Type(size)	Constraints	Description
Course_id	Varchar2(10)	Primary key	Course ID
Name	Varchar2(20)	NOT NULL	Course Name
Duration	Varchar2(5)	NOT NULL	Course Duration
Dept_id	Varchar2(10)	Foreign key	Department ID
Status	Varchar2(10)	NOT NULL	Active/inactive status

Application

Primary key : **Application_no**

Foreign key **Course_id** references table **Course**

Name	Type(size)	Constraints	Description
Application_no	Varchar2(10)	Primary key	Application number
Name	Varchar2(30)	NOT NULL	Name of applicant
DOB	Date	NOT NULL	Date of birth
Gender	Varchar2(10)	NOT NULL	Gender of applicant
Address	Varchar2(50)	NOT NULL	Address of applicant
Phone_no	Varchar2(12)	NOT NULL	Phone number
Email	Varchar2(20)	NOT NULL, UNIQUE	Email of applicant
Photo	Varchar2(20)	NOT NULL	Photo path
Course_id	Varchar2(10)	Foreign key	Course ID student applied for
Stage	Varchar2(10)	NOT NULL	Application phase

Student

Primary key : **Admission_no**

Foreign key **Application_no** references table **Application**

Foreign key **Batch_no** references table **Batch**

Name	Type(size)	Constraints	Description
Admission_no	Varchar2(10)	Primary key	Admission number
Application_no	Varchar2(10)	Foreign key	Application number
Batch_id	Varchar2(10)	Foreign key	Batch ID

Parent

Primary key : **Parent_id**

Foreign key **Application_no** references table **Application**

Name	Type(size)	Constraints	Description
Parent_id	Varchar2(10)	Primary key	Parent ID
Father_name	Varchar2(30)	NOT NULL	Name of father
Mother_name	Varchar2(30)	NOT NULL	Name of mother
Father_occupation	Varchar2(20)	NOT NULL	Father's occupation
Mother_occupation	Varchar2(20)	NOT NULL	Mother's occupation
Father_mob_no	Varchar2(12)	NOT NULL	Father's phone number
Mother_mob_no	Varchar2(12)	NOT NULL	Mother's phone number
Father_email_id	Varchar2(20)	NOT NULL	Father's email id
Mother_email_id	Varchar2(20)	NOT NULL	Mother's email id
Application_no	Varchar2(10)	NOT NULL	Foreign key

Record

Primary key : **Record_id**

Foreign key **Application_no** references table **Application**

Name	Type(size)	Constraints	Description
Record_id	Varchar2(10)	Primary key	Academic ID
Application_no	Varchar2(10)	Foreign key	Application number
Percentage_10	Varchar2(10)	NOT NULL	Percentage in 10 th
Percentage_12	Varchar2(10)	NOT NULL	Percentage in 12 th
Percentage_diploma	Varchar2(10)	NOT NULL	Percentage in Diploma
Percentage_UG	Varchar2(10)	NOT NULL	Percentage in UG
Certificate_10	Varchar2(30)	NOT NULL	10 th std certificate
Certificate_12	Varchar2(30)	NOT NULL	12 th std certificate
Certificate_diploma	Varchar2(30)	NOT NULL	Diploma certificate
Certificate_UG	Varchar2(30)	NOT NULL	UG marklist

Batch

Primary key : **Batch_id**

Foreign key **Course_id** references table **Course**

Foreign key **Teacher_id** references table **Teacher**

Name	Type(size)	Constraints	Description
Batch_id	Varchar2(10)	Primary key	Batch ID
Name	Varchar2(20)	NOT NULL	Batch Name
Duration	Varchar2(5)	NOT NULL	Course Duration
Course_id	Varchar2(10)	Foreign key	Course ID
Teacher_id	Varchar2(10)	Foreign key	Class teacher ID