# STUDENT

## Sequence

|  |  |  |  |
| --- | --- | --- | --- |
| Sequence Name | Strat Value | End Value | Increment by |
| Sequence\_Student\_Registration | 1 | 100000 | 1 |
| Assignment\_Sequence\_Number | 1 | 100000 | 1 |
| Download\_Sequence\_Number | 1 | 100000 | 1 |
| Payment\_Sequence\_Number | 1 | 100000 | 1 |
| Librarian\_Sequence\_Number | 1 | 100000 | 1 |
| Book\_Sequence\_Number | 1 | 100000 | 1 |
| BookIssue\_Sequence\_Number | 1 | 100000 | 1 |
| Transport\_Register\_Number | 1 | 100000 | 1 |
| TransportPayment\_Regsistartion\_Number | 1 | 100000 | 1 |
| Admin\_Registartion\_Number | 1 | 100000 | 1 |
| Result\_Sequence\_Number | 1 | 100000 | 1 |
| Marks\_Sequence\_Number | 1 | 100000 | 1 |
| Teacher\_Registration\_Number | 1 | 100000 | 1 |

## Student Table:-

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute Name** | **Data Type** |  |  |
| Student\_Reg\_Id | Varchar(10) | REG+YEAR+MONTH+DAY+Sequence\_Student\_Registration | Primary Key |
| Roll\_Number | Integer(3) |  | Not Null |
| First\_Name | Varchar(20) |  | Not Null |
| Middle\_Name | Varchar(20) |  |  |
| Last\_Name | Varchar(20) |  |  |
| Email\_Id\_Primary | Varchar(20) | Must contain @ and .com |  |
| Email\_Id\_Secondary | Varchar(20) | Must contain @ and .com |  |
| Mobile\_number | Integer(14) | Must be 10 digit | Not Null |
| Telephone\_Number | Integer(14) | Must be 10 digit | Not Null |
| Password | Varchar(20) | RULE | Not Null |
| Date\_Of\_Birth | Date |  | Not Null |
| Registration\_Start\_Date | DateTime |  | Not Null |
| Registration\_End\_Date | DateTime |  |  |
| Class\_Current | Integer (2) | Each year class will change automatically. This will be control by Admin. | Not Null |
| Class\_Admission | Integer(2) |  |  |
| Section\_Id | Varchar(2) | Section A/B/C/D/E/Default |  |
| Gender | Varchar(10) | Male/Female/Others | Not Null |
| Transport\_Reg\_Number | Varchar(10) |  | Foreign Key |
| Add\_House\_Number | Varchar(50) |  |  |
| Add\_Area | Varchar(50) |  |  |
| Add\_City | Varchar(50) |  | Not Null |
| Add\_District | Varchar(50) |  | Not Null |
| Add\_Pin\_Code | Integer(10) |  | Not Null |
| Add\_State | Varchar(20) |  | Not Null |
| Add\_Country | Varchar(20) |  | Not Null |
|  |  |  |  |
|  |  |  |  |

## Attendance Table:-

|  |  |  |  |
| --- | --- | --- | --- |
| Student\_Reg\_id | VarChar(10) |  | Foreign Key |
| Class | Integer(2) |  | Not Null |
| Date | Date |  | Not Null |
| fStatus | Integer(1) | Present :1 /Absent : 0 /Holiday: 2 /Event: 3 | Not Null |
| Teacher\_Reg\_Number | VarChar(10) |  | Foreign Key |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Assignment:-

|  |  |  |  |
| --- | --- | --- | --- |
| Assignment\_Id | Varchar(10) | Assignment+Assignment\_Sequence\_Number | Primary Key |
| Teacher\_Reg\_id | Varchar(10) |  | Foreign Key |
| Class | Integer(2) | Drop down | Not Null |
| Section | Varchar(2) | Drop down :-Section A/B/C/D/E/Default |  |
| Subject | Varchar(20) | Drop down we will show for particular class only . | Not Null |
| Assignment detail | Varchar(1000) | If size will be more then 1000 character , show error msg. | Not Null(User can write here “see document”) |
| Document | document | PDF/Word/Image |  |
| Assignment\_Date | DateTime | Will be provided by teacher . Teacher will select from calendar | Not Null |
| Assignment\_\_Submission \_Date | DateTime | Will be provided by teacher . Teacher will select from calendar | Not Null |

## Download:-

|  |  |  |  |
| --- | --- | --- | --- |
| Download\_Id | Varchar(10) | Download+Download\_Sequence\_Number | Primary Key |
| Teacher\_Reg\_Id | Varchar(10) | Either Student\_Reg\_Id or Teacher\_Reg\_Id should be inserted. | Foreign Key |
| Student\_Reg\_Id | Varchar(10) | Foreign Key |
| Class | Integer(2) |  | Not Null |
| Subject | Varchar(20) |  | Not Null |
| Assignment detail | Varchar(20) |  | Not Null(User can write here “see document”) |
| Document | document | PDF/Word/Image |  |
| Assignment\_Date | DateTime | Will be provided by teacher . Teacher will select from calendar | Not Null |
| Assignment\_\_Submission \_Date | DateTime | Will be provided by teacher . Teacher will select from calendar | Not Null |

## Student Academic Calendar:-

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Integer(4) |  | Not Null |
| Date of Event | DateTime |  | Not Null |
| Class | Integer(2) |  | Not Null |
| Section | Varchar(2) |  |  |
| Event Name | Varchar(10) |  | Not Null |
| Event description | Varchar(50) |  |  |

## Fee Payment Details:-

|  |  |  |  |
| --- | --- | --- | --- |
| Payment\_Id | Varchar(15) | Payment+Payment\_Sequence\_Number | Primary Key |
| Student\_Reg\_Id | Varchar(10) | Provided by user | Foreign Key |
| Month | Varchar(10) | Drop Down | Not Null |
| Payment\_Date | Date | calendar | Not Null |
| Payment\_Amount | Integer(8) | Admin will provide Manually with the help of payment structure | Not Null |
| Mode\_Of\_Payment | Varchar(8) | (Cash/Card/Other) | Not Null |
| Note | Varchar(50) |  |  |

# LIBRARY

## Librarian Detail

|  |  |  |  |
| --- | --- | --- | --- |
| Librarian\_Reg\_Id | Varchar(10) | LIBRARIAN+Librarian\_Sequence\_Number | Primary Key |
| Password | Varchar(20) |  | Not Null |
| First Name | Varchar(20) |  | Not Null |
| Middle Name | Varchar(20) |  |  |
| Last Name | Varchar(20) |  |  |
| Email Id\_Primary | Varchar(20) | Must contain @ and .com | Not Null |
| Email Id\_Secondary | Varchar(20) | Must contain @ and .com |  |
| Mobile Number | Integer(14) | Must be 10 digit | Not Null |
| Gender | Varchar(10) | Male/Female/Others | Not Null |
| Date Of Birth | Date |  |  |
| Registration Start Date | DateTime |  | Not Null |
| Registration End Date | DateTime |  |  |
|  |  |  |  |
|  |  |  |  |

## Librarian Academic Calendar:-

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Integer(4) |  | Not Null |
| Event Name | Varchar(10) |  | Not Null |
| Date of Event | DateTime |  | Not Null |
| Event Description | Varchar(250) |  |  |

## Book Registration

|  |  |  |  |
| --- | --- | --- | --- |
| Book\_id | Varchar(10) | BOOK+Book\_Sequence\_Number | Primary Key |
| Book\_Name | Varchar(15) |  | Not Null |
| Book\_Author | Varchar(20) |  | Not Null |
| Published Year | Date |  |  |
| Price | Integer(5) |  | Not Null |
| Date | DateTime | System date | Not Null |
| Detail\_description | Varchar(20) |  |  |
| Category | Varchar(10) | Drop Down : Math/Science/Gk/Novel/Story/Language | Not Null |
| Fine\_Amount\_lost | Integer |  | Not Null |
| Fine\_Amount\_perday | Integer |  | Not Null |
| Status | Varchar(10) | Available/Issued/Lost | Not Null |
| Return day | Integer(1) | It can be 10, 15 ,30 days | Not Null |

## Book Issue :-

|  |  |  |  |
| --- | --- | --- | --- |
| Book\_Issue\_Id | Varchar(10) | BOOKISSUE+YEAR+MONTH+DAY+BookIssue\_Sequence\_Number | Primary Key |
| Student\_Reg\_Id | Varchar(10) |  | Foreign Key |
| Librarian\_Reg\_Id | Varchar(10) | We will take this value from session. | Foreign Key |
| Date\_of\_issue | DateTime | Calendar | Not Null |
| Date\_of\_Submission | DateTime | By default day : date of issue + Return day |  |
| Book\_Id | Varchar(10) |  | Foreign Key |
| Issue\_Status | Varchar(10) | Drop down : Issued / Returned /Lost | Not Null |
| Fine amount collected | Integer(5) |  |  |

# Transport

## Bus Registration:-

|  |  |  |  |
| --- | --- | --- | --- |
| Bus\_Reg\_Id | Varchar(15) | Bus Number (It should be actual bus number) | Primary Key |
| Date\_of\_Registration | DateTime | calendar | Not Null |
| End\_Date\_of\_Service | DateTime | calendar |  |
| Mrng\_Source | Varchar(20) |  | Not Null |
| Mrng\_Destination | Varchar(20) |  | Not Null |
| Mrng\_Route | Varchar(100) |  | Not Null |
| Mrng\_Start\_Time | Time |  | Not Null |
| Mrng\_Route\_time | Time |  | Not Null |
| Mrng\_End\_Time | Time |  | Not Null |
| Evng\_Source | Varchar(20) |  | Not Null |
| Evng\_ Destination | Varchar(20) |  | Not Null |
| Evng \_Route | Varchar(100) |  | Not Null |
| Evng\_ Start\_Time | Time |  | Not Null |
| Evng \_Route\_Time | Time |  | Not Null |
| Evng\_ End\_Time | Time |  | Not Null |
| Total\_Seat | Integer(3) |  | Not Null |
| Available\_Seat | Integer(3) | Initial available seat will be total seat | Not Null |
| Driver\_Name | Varchar(20) |  | Not Null |
| Driver\_Mobile\_Number | Integer(14) |  | Not Null |
| Conductor\_Name | Varchar(20) |  | Not Null |
| Conductor\_Mobile\_Number | Integer(14) |  | Not Null |
|  |  |  |  |

## Student Transport Registration:-

|  |  |  |  |
| --- | --- | --- | --- |
| Transport\_Reg\_Id | Varchar(10) | TRANS+Year+Month+day+Transport\_Register\_Number | Primary Key |
| Bus\_Reg\_Id | Varchar(15) |  | Foreign Key |
| Monthly\_Fee\_Amount | Integer(5) |  | Not Null |
| Pickup Point | Varchar(15) |  | Not Null |
| Status | Varchar | Active/Resume/NA  Active: Taking Bus service  Resume: Current service e resumed  NA: Bus service not taking |  |

## Student Transport Fee:-

|  |  |  |  |
| --- | --- | --- | --- |
| Transport\_Payment\_Id | Varchar(10) | TRANSPAYMENT+TransportPayment\_Regsistartion\_Number | Primary Key |
| Transport\_Reg\_Id |  |  | Foreign Key |
| Month | Varchar(10) | Drop down | Not Null |
| Payment\_Date | DateTime | Calendar | Not Null |
| Payment\_Amount | Integer(5) |  | Not Null |
| Mode\_Of\_Payment | Varchar(5) | (Cash/Card/Other) | Not Null |
|  |  |  |  |

## Transport Academic Calendar:-

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Integer(4) |  | Not Null |
| Event Name | Varchar(10) |  | Not Null |
| Date of Event | DateTime |  | Not Null |
| Description | Varchar(250) |  |  |

# ADMIN

## Admin Table:-

|  |  |  |  |
| --- | --- | --- | --- |
| Admin\_Reg\_Id | Varchar(10) | ADMIN+Admin\_Registartion\_Number | Primary Key |
| Password | Varchar(20) |  | Not Null |
| First Name | Varchar(20) |  | Not Null |
| Middle Name | Varchar(20) |  |  |
| Last Name | Varchar(20) |  |  |
| Email Id\_Primary | Varchar(20) |  | Not Null |
| Email Id\_Secondary | Varchar(20) |  |  |
| Mobile Number | Integer(14) |  | Not Null |
| Gender | Varchar(8) | (Male/Female/Others) | Not Null |
| Date Of Birth | Date |  |  |
| Registration\_Start\_Date | DateTime |  | Not Null |
| Registration\_End\_Date | DateTime | Admin will able to log in only if Registration\_End\_Date field is empty |  |

## Class Fees Structure:-

|  |  |  |  |
| --- | --- | --- | --- |
| Class | Integer(2) |  | Not Null |
| Fees | Integer(5) |  | Not Null |
| Date | Date | We will insert system date . | Not Null |
| Admin\_Reg\_Id | Varchar(20) |  | Foreign Key |

## Bus Fees Structure:-

|  |  |  |  |
| --- | --- | --- | --- |
| Bus\_Reg\_Id | Varchar(10) |  | Foreign Key |
| Fees | Integer(5) |  | Not Null |
| Date | Date |  |  |
| Admin\_Reg\_Id | Varchar(10) |  | Foreign Key |
| Pickup Point | Varchar(20) | Drop-Down based on Bus\_Reg\_id | Not Null |

## Teacher Salary Structure:-

|  |  |  |  |
| --- | --- | --- | --- |
| Teacher\_Reg\_Id | Varchar(10) | Drop down | Foreign Key |
| Salary | Integer(8) |  | Not Null |
| Date | Date | System date | Not Null |
| Admin\_Reg\_Id | Varchar(10) |  | Foreign Key |

## 

## Subject Table:-

|  |  |  |  |
| --- | --- | --- | --- |
| Subject\_Id | Integer(3) | Class+SubjectName+Year | Primary Key |
| Subject\_Name | Varchar(10) |  | Not Null |
| Teacher\_Reg\_Id | Varchar(10) |  | Foreign Key |
| Class | Integer(2) |  | Not Null |
| Year | Integer(5) |  | Not Null |

## Result Table:-

|  |  |  |  |
| --- | --- | --- | --- |
| Result\_Id | Varchar(10) | RESULT+Result\_Sequence\_Number | Primary Key |
| Student\_Reg\_Id | Varchar(10) |  | Foreign Key |
| Admin\_Reg\_Id | Varchar(10) |  | Foreign key |
| Class | Integer(2) |  | Not Null |
| Section | Varchar(2) |  |  |
| Year | Integer(5) |  | Not Null |

## Marks Table:-

|  |  |  |  |
| --- | --- | --- | --- |
| Result\_Id | Varchar(10) | MARKS+Marks\_Sequence\_Number | Primary Key |
| Marks\_1 | Varchar(10) | It will contain subject\_id-marks for that subject | Not Null |
| Marks\_2 | Varchar(10) |  | Not Null |
| Marks\_3 | Varchar(10) |  | Not Null |
| Marks\_4 | Varchar(10) |  | Not Null |
| Marks\_5 | Varchar(10) |  | Not Null |
| Marks\_6 | Varchar(10) |  |  |
| Marks\_7 | Varchar(10) |  |  |
| Marks\_8 | Varchar(10) |  |  |
| Marks\_9 | Varchar(10) |  |  |
| Marks\_10 | Varchar(10) |  |  |
| Marks\_11 | Varchar(10) |  |  |
| Marks\_12 | Varchar(10) |  |  |
| Marks\_13 | Varchar(10) |  |  |
| Marks\_14 |  |  |  |
| Marks\_15 |  |  |  |

## Feedback:-

|  |  |  |  |
| --- | --- | --- | --- |
| Student\_Reg\_Id | VarChar(10) |  | Foreign Key |
| Teacher\_Reg\_Id | Varchar(10) |  | Foreign Key |
| Bus\_Reg\_Id | Varchar(10) |  | Foreign Key |
| Librarian\_Reg\_Id | Varchar(10) |  | Foreign Key |
| Feedback | Varchar(200) |  | Not Null |
| Feedback\_form |  |  |  |

## Admin\_Academic\_Calander:-

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Integer(4) |  | Not Null |
| Event Name | Varchar(10) |  | Not Null |
| Date of Event | DateTime |  | Not Null |
| Description | Varchar(250) |  |  |

# TEACHER

## Teacher Table:-

|  |  |  |  |
| --- | --- | --- | --- |
| Teacher\_Reg\_Id | Varchar(10) | TCH+YEAR+MONTH+DAY+Teacher\_Registration\_Number | Primary Key |
| Password | Varchar(20) |  | Not Null |
| First Name | Varchar(20) |  | Not Null |
| Middle Name | Varchar(20) |  |  |
| Last Name | Varchar(20) |  |  |
| Email Id\_Primary | Varchar(20) |  | Not Null |
| Email Id\_Secondary | Varchar(20) |  |  |
| Mobile Number | Integer(14) |  | Not Null |
| Gender | Varchar(8) | (Male/Female/Others) | Not Null |
| Date Of Birth | Date |  |  |
| Registration Start Date | DateTime |  | Not Null |
| Registration End Date | DateTime |  |  |
| Primary\_Subject | Varchar(10) |  | Not Null |
| Secondary\_Subject\_1 | Varchar(10) |  |  |
| Secondary\_Subject\_2 | Varchar(10) |  |  |

## Teacher Salary:-

|  |  |  |  |
| --- | --- | --- | --- |
| Teacher\_Reg\_Id | Varchar(10) |  | Foreign Key |
| Salary\_Month | Varchar(10) |  | Not Null |
| Salary\_Year | Integer(5) |  | Not Null |
| Amount | Integer(8) |  | Not Null |
| Date\_Of\_Payment | Date |  | Not Null |
| Transaction\_Number | Varchar(15) |  | Not Null |
| Mode\_Of\_Payment | Varchar(8) | (Cash/Card/Others) | Not Null |
|  |  |  |  |

## Teacher\_Academic\_Calander:-

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Integer(4) |  | Not Null |
| Event Name | Varchar(10) |  | Not Null |
| Date of Event | DateTime |  | Not Null |
| Description | Varchar(250) |  |  |