

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+Transp ort_Register_Number	Primary Key
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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+Trans portPayment_Regsistar tion_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_Regista rtion_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	
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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+Ye ar	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_Sequen ce_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)		