# Database Lab Assignment
# School Website

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Registration No : 17BCS28

Assignment No : 1

**Functions of School Management System**

1.     *Admin hires Teachers*
2.     *Admin assign classes to teachers*
3.     *Teachers give mark to student*
4.     *Teacher teaches student*
5.     *Admin enrolls students*
6.     *Student studies in  class*
7.     *Student Scores Marks*
8.     *Student Pays Fees*
9.     *Admin gives Salary to Teachers*
10.     *Admin manages School Resources*

**Relational Database Schema**

❖ **Student**(

Student_ID: *INTEGER ,PRIMARY KEY ,AUTO INCREEMENT ,NOT NULL*

DOB: *DATE,NOT NULL*

Gender: *CHAR(10),NOT NULL*

Phone: *INTEGER, NOT NULL*

Name: *VARCHAR(45),NOT NULL*

)

❖ **Admin** (

ID: *INTEGER, PRIMARY KEY , AUTO INCREEMENT, NOT NULL;*
NAME : *VARCHAR(45) ,NOT NULL ;*

Email : *VARCHAR(45),NOT NULL* )

❖ **Teacher** (

Teacher_ID : *INTEGER,PRIMARY KEY,AUTO INCREEMENT,NOT NULL ;*

Gender: *CHAR(10),NOT NULL;*

Phone: *INTEGER, NOT NULL*

Name: *VARCHAR(45),NOT NULL*

Salary : *INTEGER , NOT NULL*

)

❖ **Fees(**

Student_ID: *INTEGER, FOREIGN KEY , NOT NULL*

Fee_ID : *INTEGER, PRIMARY KEY , AUTO INCREEMENT, NOT NULL*

Fee_Type : *VARCHAR(20) NOT NULL*

Amount : *INTEGER,NOT NULL*

)

❖ **Subject** (

Subject_ID: *INTEGER, PRIMARY KEY , AUTO INCREEMENT, NOT NULL*

Name : *VARCHAR(20) NOT NULL*

Class_ID : *INTEGER,FOREIGN KEY,AUTO INCREEMENT,NOT NULL*

)

❖ **Class**(

Student_ID: *INTEGER, FOREIGN KEY , AUTO INCREEMENT, NOT NULL*

Name : *VARCHAR(20) NOT NULL*

)

❖ **Marks**(

Marks_ID: *INTEGER,PRIMARY KEY,AUTO INCREEMENT,NOT NULL*

Score: *INTEGER, NOT NULL*

Subject: *VARCHAR(45),NOT NULL*

*Student_*ID:*VARCHAR(45),NOT NULL*

*Teacher_*ID :Name: *VARCHAR(45),NOT NULL*

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