VASAVI ATTENDANCE MONITORING SYSTEM

ABSTRACT:

This project is going to maintain attendance of students of Vasavi College of Engineering. It generates attendance of a student based on their daily presence (class to class). The staff/faculty will enter the attendance status of a student with respect to their subject into the database. They will be provided with login credentials for marking the attendance. Students will also be provided with login credentials with which they can access their attendance. A weekly report will be generated based on attendance.

NO. OF TABLES: 5

1.Teachers

2.Students

3.Attendance

4.Gives

5.Teaches

ATTRIBUTES & DOMAIN TYPES:

1. Teachers:

- t_id - varchar(10)
- t_email - varchar(20)
- t_pw - varchar(10)
- t_name - varchar(30)

- t_phno - number(10)
- subject – char(10)

2.Students:

- s_id - varchar(10)
- s_name - char(30)
- s_email - varchar(20)
- s_phno – number(10)
- s_pw - varchar(10)
- father_name - char(30)
- sem - number(2)
- course - char(5)
- dob - varchar(10)
- gender - char(5)
- year – varchar(2)
- branch – char(10)

3.Attendance:

- course - char(5)
- subject - char(10)

- day - date
- s_id - varchar(10)
- s_name – char(30)
- status - char(5)

4.Teaches:

- t_id - varchar(10)
- s_id - varchar(10)
- subject – char(10)

5.Student_Attendance:

- t_id - varchar(10)
- s_id - varchar(10)
- status - char(5)
- day – date

QUERIES:

DDL:

- Create table teachers(t_id varchar(10), t_email varchar(20), t_password varchar(10), t_name varchar(30), t_phno number(10), subject(20));
- Create table attendance(course char(5), subject char(10), day date, s_id varchar(10), s_name char(30), status char(5));

- Create table student(s_id varchar(10), s_name char(30), s_email varchar(20), s_phno number(10), s_password varchar(10) unique, father_name char(30), branch char(10), sem number(2), course char(5), dob varchar(10), gender char(5), year varchar(2));
- Create table teaches(t_id varchar(10), s_id varchar(10), subject char(20));
- Create table gives(t_id varchar(10), s_id varchar(10), status char(5), day date);

DML:

- Insert into teachers values('&t_id','&t_email','&t_pw','&t_name',&t_phno,'&subject');
- Insert into students values('&s_id', '&s_name', '&s_email', &s_phno, '&s_pw', '&father_name', &sem, '&course', '&dob', '&gender', '&year','&branch');
- Insert into attendance values('&s_id','&s_name','&course','&subject','&day','&status');
- Insert into gives values ('&s_id','&t_id','&status','&day')
- Insert into teaches values('&t_id,'&s_id');

CONSTRAINTS:

- Alter table students add primary key(s_id);
- Alter table teachers add primary key(t_id);
- Alter table gives add foreign key(s_id) references students;
- Alter table gives add foreign key(t_id) references teachers;
- Alter table teaches add foreign key(s_id) references students;
- Alter table teaches add foreign key(t_id) references teachers;

- Alter table attendance add foreign key(s_id) references students;
- alter table teachers add unique(t_email,t_phno,t_pw);
- alter table students add unique(s_email,s_phno,s_pw);

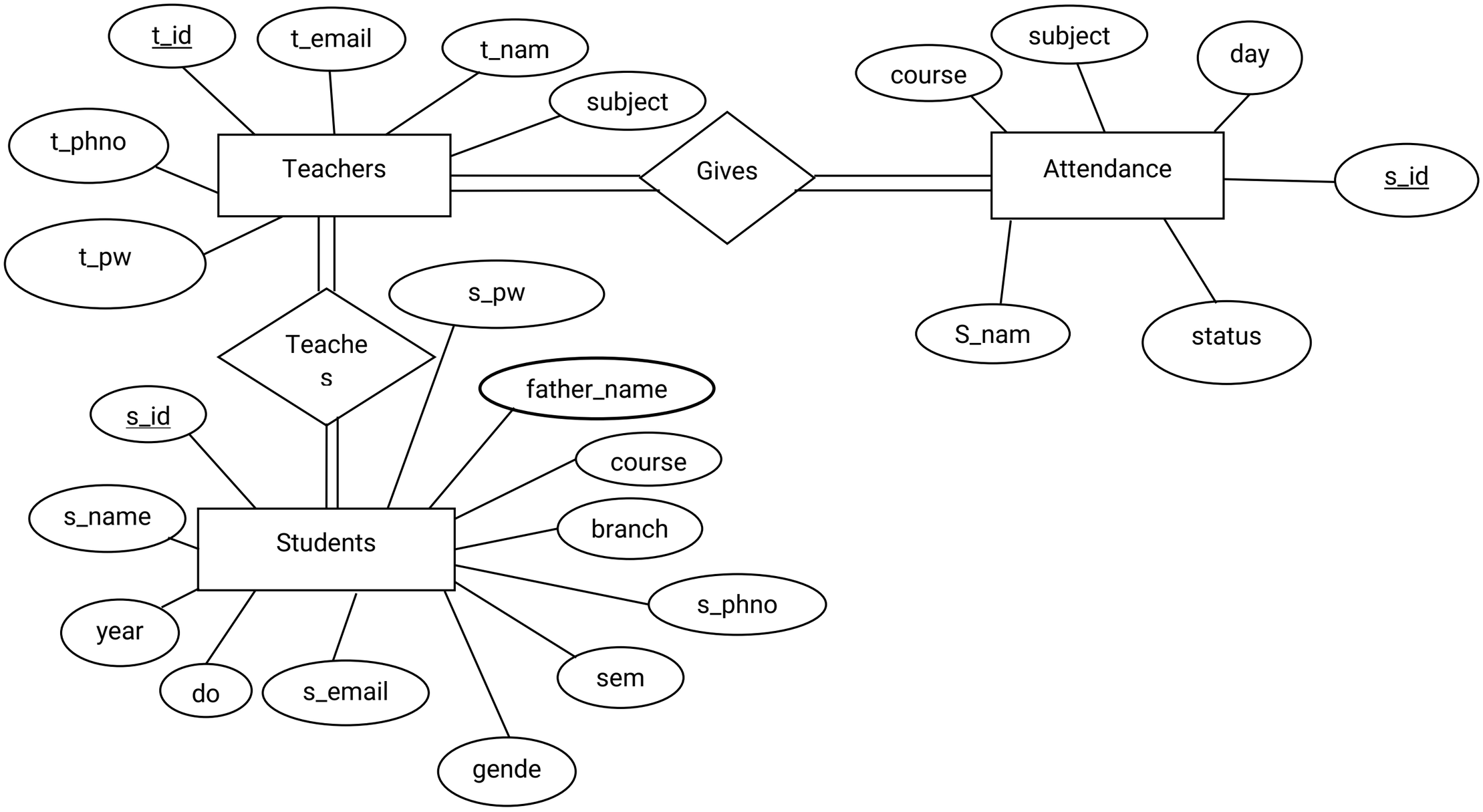
REQUIREMENTS TABLE:

Table Name	**Attributes**
Students	➢ s_id - varchar(10) **(Primary Key)** ➢ s_name - char(30) ➢ s_email - varchar(20) ➢ s_phno – number(10) ➢ s_pw - varchar(10) ➢ father_name - char(30) ➢ sem - number(2) ➢ course - char(5) ➢ dob - varchar(10) ➢ gender - char(5) ➢ year – varchar(2) ➢ branch – char(10)
Teachers	➢ t_id - varchar(10) **(Primary Key)**

	➢ t_email - varchar(20) ➢ t_pw - varchar(10) ➢ t_name - varchar(30) ➢ t_phno - number(10) ➢ subject – char(10)
Attendance	➢ course - char(5) ➢ subject - char(10) ➢ day - date ➢ s_id - varchar(10) **(Foreign Key)** ➢ s_name – char(30) ➢ status - char(5)
Teaches	➢ t_id - varchar(10) **(Foreign Key)** ➢ s_id - varchar(10) **(Foreign Key)** ➢ subject – char(10)
Student_Attendance	➢ t_id - varchar(10) **(Foreign Key)** ➢ s_id - varchar(10) **(Foreign Key)**

	➢ status - char(5) ➢ day – date

ER DIAGRAM:


t_id
t_email
t_nam
subject
t_phno
Teachers
Gives
course
subject
day
Attendance
s_id
t_pw
s_pw
Teache
s
S_nam
status
father_name
s_id
course
s_name
Students
branch
s_phno
year
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