

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

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varchar(30), t_phno number(10), subject(20));
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Table created.

➤ Create table attendance(course char(5), subject char(10), day date, s_id varchar(10), s_name char(30), status char(5));

Table created.

➤ 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));

Table created.

➤ Create table teaches(t_id varchar(10), s_id varchar(10), subject char(20));

Table created.

➤ Create table gives(t_id varchar(10), s_id varchar(10), status char(5), day date);

Table created.

DML:

➤ Insert into teachers values('&t_id','&t_email','&t_pw','&t_name','&t_phno','&subject');

Enter value for t_id: 1601-t-01

Enter value for t_email: ria@gmail.com

Enter value for t_pw: mac

Enter value for t_name: ria

Enter value for t_phno: 9987886544

Enter value for subject: daa

1 row created.

➤ /

Enter value for t_id: 1601-t-01

Enter value for t_email: ria@gmail.com

Enter value for t_pw: mac

Enter value for t_name: ria

Enter value for t_phno: 9987886544

Enter value for subject: dbms

1 row created.

➤ /

Enter value for t_id: 1601-t-02

Enter value for t_email: mihir@gmail.com

Enter value for t_pw: dell

Enter value for t_name: mihir

Enter value for t_phno: 9987886543

Enter value for subject: daa

1 row created.

➤ /

Enter value for t_id: 1601-t-03

Enter value for t_email: arjun@gmail.com

Enter value for t_pw: lenovo

Enter value for t_name: arjun

Enter value for t_phno: 9987886542

Enter value for subject: co

1 row created.

➤ /

Enter value for t_id: 1601-t-04

Enter value for t_email: ali@gmail.com

Enter value for t_pw: yoga

Enter value for t_name:ali

Enter value for t_phno: 9987886540

Enter value for subject: se

1 row created.

➤ /

Enter value for t_id: 1601-t-05

Enter value for t_email: gayatri@gmail.com

Enter value for t_pw: hp

Enter value for t_name: gayatri

Enter value for t_phno: 9987886549

Enter value for subject: p&s

1 row created.

➤ Insert into students values('&s_id', '&s_name', '&s_email', &s_phno, '&s_pw', '&father_name', &sem, '&course', '&dob', '&gender', '&year','&branch');

Enter value for s_id: 1602-001

Enter value for s_name: amrutha

Enter value for s_email: amrutha@gmail.com

Enter value for s_phno: 9988776655

Enter value for s_pw: rrrr

Enter value for father_name: pavan

Enter value for sem: 2

Enter value for course: be

Enter value for dob: 02-12-2000

Enter value for gender: female

Enter value for year: 2

Enter value for branch: it

1 row created.

➤ /

Enter value for s_id: 1602-002

Enter value for s_name: anjali

Enter value for s_email: anjali@gmail.com

Enter value for s_phno: 9988776651

Enter value for s_pw: qqqq

Enter value for father_name: varun

Enter value for sem: 2

Enter value for course: be

Enter value for dob: 09-10-2000

Enter value for gender: female

Enter value for year: 2

Enter value for branch: it

1 row created.

➤ /

Enter value for s_id: 1602-003

Enter value for s_name: arjun

Enter value for s_email: arjun@gmail.com

Enter value for s_phno: 9988776652

Enter value for s_pw: kkkk

Enter value for father_name: raju

Enter value for sem: 2

Enter value for course: be

Enter value for dob: 29-07-2000

Enter value for gender: male

Enter value for year: 2

Enter value for branch: it

1 row created.

➤ /

Enter value for s_id: 1602-004

Enter value for s_name: vihan

Enter value for s_email: vihan@gmail.com

Enter value for s_phno: 9988776654

Enter value for s_pw: mmmm

Enter value for father_name: ram

Enter value for sem: 2

Enter value for course: be

Enter value for dob: 29-9-2000

Enter value for gender: male

Enter value for year: 2

Enter value for branch: it

1 row created.

➤ /

Enter value for s_id: 1602-005

Enter value for s_name: vishal

Enter value for s_email: vishal@gmail.com

Enter value for s_phno: 9988776650

Enter value for s_pw: nnnn

Enter value for father_name: mohan

Enter value for sem: 2

Enter value for course: be

Enter value for dob: 2-09-2000

Enter value for gender: male

Enter value for year: 2

Enter value for branch: it

1 row created.

➤ Insert into attendance values('&s_id','&s_name','&course','&subject','&day','&status');

Enter value for s_id: 1602-001

Enter value for s_name: amrutha

Enter value for course: be

Enter value for subject: dbms

Enter value for day: 10-feb-2020

Enter value for status: present

1 row created.

➤ /

Enter value for s_id: 1602-002

Enter value for s_name: anjali

Enter value for course: be

Enter value for subject: dbms

Enter value for day: 10-feb-2020

Enter value for status: present

1 row created.

➤ /

Enter value for s_id: 1602-003

Enter value for s_name: arjun

Enter value for course: be

Enter value for subject: dbms

Enter value for day: 10-feb-2020

Enter value for status: present

1 row created.

➤ /

Enter value for s_id: 1602-005

Enter value for s_name: vihan

Enter value for course: be

Enter value for subject: dbms

Enter value for day: 10-feb-2020

Enter value for status: present

1 row created.

➤ /

Enter value for s_id: 1602-005

Enter value for s_name: vishal

Enter value for course: be

Enter value for subject: dbms

Enter value for day: 10-feb-2020

Enter value for status: present

1 row created.

➤ Insert into student_attendance values ('&s_id','&t_id','&status','&day','&subject');

Enter value for s_id: 1602-001

Enter value for t_id: 1602-t-01

Enter value for status: present

Enter value for day: 10-feb-2020

Enter value for subject:dbms

1 row created.

➤ /

Enter value for s_id: 1602-002

Enter value for t_id: 1602-t-01

Enter value for status: present

Enter value for day: 10-feb-2020

Enter value for subject:dbms

1 row created.

➤ /

Enter value for s_id: 1602-003

Enter value for t_id: 1602-t-01

Enter value for status: present

Enter value for day: 10-feb-2020

Enter value for subject:dbms

1 row created.

➤ /

Enter value for s_id: 1602-004

Enter value for t_id: 1602-t-01

Enter value for status: present

Enter value for day: 10-feb-2020

Enter value for subject:dbms

1 row created

➤ /

Enter value for s_id: 1602-005

Enter value for t_id: 1602-t-01

Enter value for status: present

Enter value for day: 10-feb-2020

Enter value for subject:dbms

1 row created

➤ Insert into teaches values('&t_id','&s_id','&subject');

Enter value for t_id: 1602-t-01

Enter value for s_id: 1602-001

Enter value for subject: dbms

1 row created.

➤ /

Enter value for t_id: 1602-t-01

Enter value for s_id: 1602-002

Enter value for subject: dbms

1 row created.

➤ /

Enter value for t_id: 1602-t-01

Enter value for s_id: 1602-003

Enter value for subject: dbms

1 row created.

➤ /

Enter value for t_id: 1602-t-01

Enter value for s_id: 1602-004

Enter value for subject: dbms

1 row created.

➤ /

Enter value for t_id: 1602-t-01

Enter value for s_id: 1602-005

Enter value for subject: dbms

1 row created.

CONSTRAINTS:

➤ Alter table students add primary key(s_id);

Table altered.

➤ Alter table teachers add primary key(t_id);

Table altered.

➤ Alter table gives add foreign key(s_id) references students;

Table altered.

➤ Alter table gives add foreign key(t_id) references teachers;

Table altered.

➤ Alter table teaches add foreign key(s_id) references students;

Table altered.

➤ Alter table teaches add foreign key(t_id) references teachers;

Table altered.

➤ Alter table attendance add foreign key(s_id) references students;

Table altered.

➤ alter table teachers add unique(t_email,t_phno,t_pw);

Table altered.

➤ alter table students add unique(s_email,s_phno,s_pw);

Table altered.

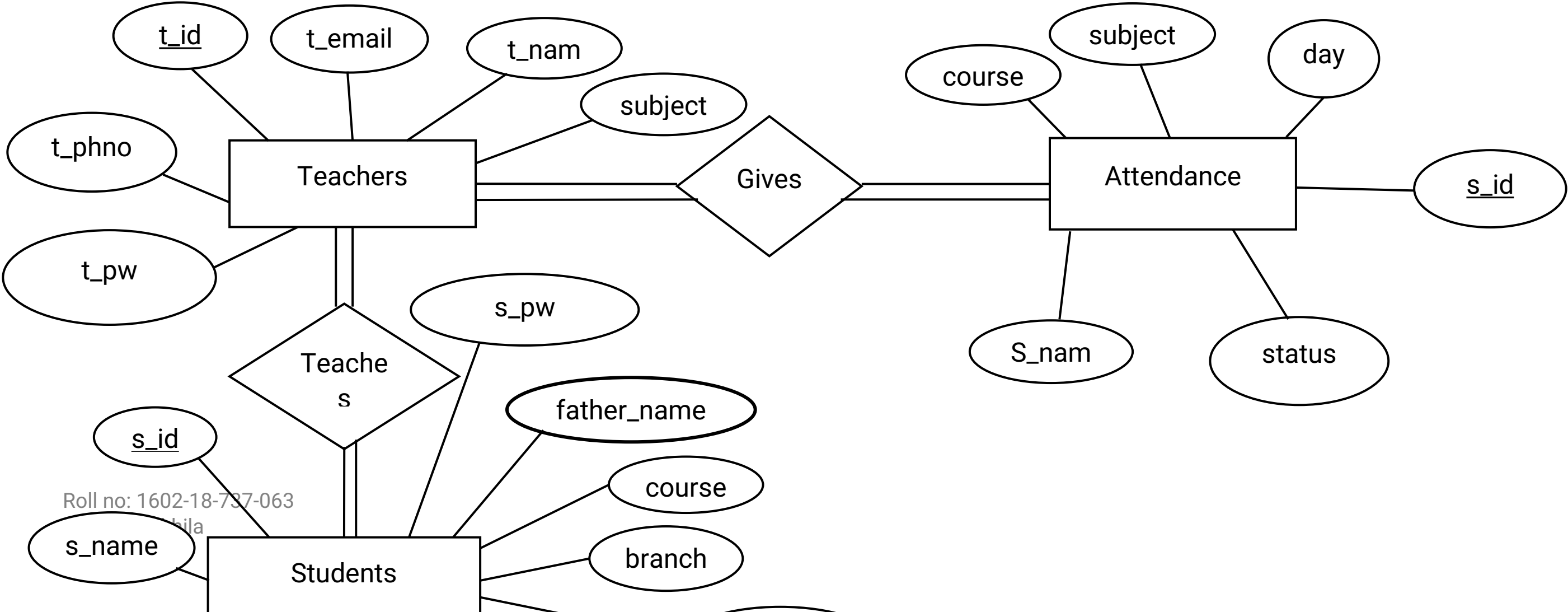
REQUIREMENTS TABLE:

Table Name	Attributes
Students	<div>➤ s_id - varchar(10) (Primary Key)</div> <div>➤ s_name - char(30)</div> <div>➤ s_email - varchar(20)</div> <div>➤ s_phno – number(10)</div> <div>➤ s_pw - varchar(10)</div> <div>➤ father_name - char(30)</div> <div>➤ sem - number(2)</div> <div>➤ course - char(5)</div> <div>➤ dob - varchar(10)</div> <div>➤ gender - char(5)</div>

	<ul style="list-style-type: none">➤ year – varchar(2)➤ branch – char(10)
Teachers	<ul style="list-style-type: none">➤ 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	<ul style="list-style-type: none">➤ course - char(5)➤ subject - char(10)➤ day - date➤ s_id - varchar(10) (Foreign Key)➤ s_name – char(30)➤ status - char(5)
Teaches	<ul style="list-style-type: none">➤ t_id - varchar(10) (Foreign Key)

	<ul style="list-style-type: none">➤ s_id - varchar(10) (Foreign Key)➤ subject – char(10)
Student_Attendance	<ul style="list-style-type: none">➤ t_id - varchar(10) (Foreign Key)➤ s_id - varchar(10) (Foreign Key)➤ status - char(5)➤ day – date

ER DIAGRAM:



DBMS Assignment-1

Topic: Vasavi Attendance Monitoring system

Roll no: 1602-18-737-063

Name: V Akhila

DBMS Assignment-1

Topic: Vasavi Attendance Monitoring system

Roll no: 1602-18-737-063

Name: V Akhila