

# **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. Message will be generated and sent to their respective phone numbers weekly once.

## **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));  
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

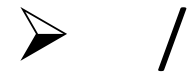
Enter value for t\_id: 1602-t-01

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:

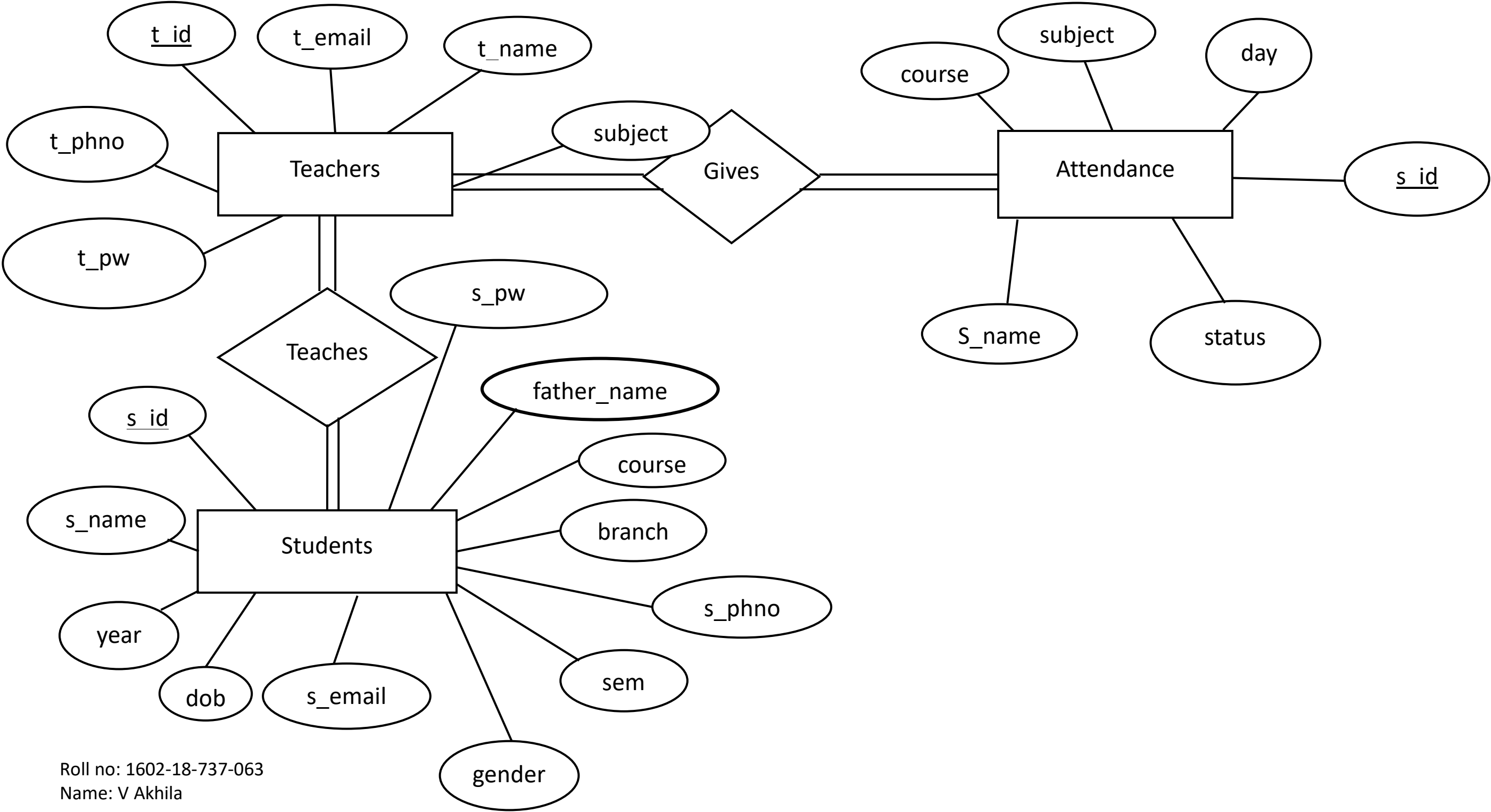
Table Name	Attributes
Students	<ul style="list-style-type: none"><li>➤ s_id - varchar(10) <b>(Primary Key)</b></li><li>➤ s_name - char(30)</li><li>➤ s_email - varchar(20)</li><li>➤ s_phno – number(10)</li><li>➤ s_pw - varchar(10)</li></ul>

	<ul style="list-style-type: none"><li>➤ father_name - char(30)</li><li>➤ sem - number(2)</li><li>➤ course - char(5)</li><li>➤ dob - varchar(10)</li><li>➤ gender - char(5)</li><li>➤ year – varchar(2)</li><li>➤ branch – char(10)</li></ul>
Teachers	<ul style="list-style-type: none"><li>➤ t_id - varchar(10) <b>(Primary Key)</b></li><li>➤ t_email - varchar(20)</li><li>➤ t_pw - varchar(10)</li><li>➤ t_name - varchar(30)</li><li>➤ t_phno - number(10)</li><li>➤ subject – char(10)</li></ul>
Attendance	<ul style="list-style-type: none"><li>➤ course - char(5)</li><li>➤ subject - char(10)</li><li>➤ day - date</li></ul>

	<ul style="list-style-type: none"><li>➤ s_id - varchar(10) (<b>Foreign Key</b>)</li><li>➤ s_name – char(30)</li><li>➤ status - char(5)</li></ul>
Teaches	<ul style="list-style-type: none"><li>➤ t_id - varchar(10) (<b>Foreign Key</b>)</li><li>➤ s_id - varchar(10) (<b>Foreign Key</b>)</li><li>➤ subject – char(10)</li></ul>
Student_Attendance	<ul style="list-style-type: none"><li>➤ t_id - varchar(10) (<b>Foreign Key</b>)</li><li>➤ s_id - varchar(10) (<b>Foreign Key</b>)</li><li>➤ status - char(5)</li><li>➤ day – date</li></ul>



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