E-leave System

Group name: 17

Group Members:

1.zehra naqvi

2.tripti verma

3.vikrant singh

4.vaishali vinay

DATABASE NAME : **e-leavesystem**

**RELATION SCHEMA**

faculty

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Emp\_id | Fname | Lname | Email | Password | designation | Department | gender |

Leave\_providers

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Head\_id | H\_fname | H\_lname | department | designation | password |

Leave\_details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name\_of\_leave | No\_of\_days | Gender\_Applicable\_for | Sanctioned\_by\_hod | Sanction\_by\_registrar |

apply\_for\_leave

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Emp\_id | department | leave\_from | Leave\_to | Reason | Addr\_when\_out | Contact | date\_apply | type\_leave | gender |

remaining\_leave

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Emp\_id | commuted | special cl | half\_pay | restricted | earn | medical | vacation |

**RELATION DEFINITIONS**

faculty

(

Emp\_id varchar(20) primary key,

Fname varchar(20 )not null,lname varchar(20),email\_id varchar(255) ,

Password varchar(255),designation varchar (25) not null,

Department varchar(20) , gender varchar(20) not null checked in (‘male’ and ‘female’)

)

leave\_providers

(

Head\_id varchar(20) foreign key references faculty(emp\_id) , hname varchar(20) not null, h\_lname varchar(20) ,department varchar(20) unique not null by default administrative,

designation varchar(20) checked in (‘registrar’ and ‘hod’),password varchar(255)

)

leave\_details

(

name\_of\_leave varchar(25) primary key ,no\_of\_days integer not null ,

gender\_applicable\_for varchar(20) checked in (‘both’, ‘male’ and ‘female’),

sanctioned\_by\_hod bool , sanctioned\_by\_registrar bool

)

remaining\_leave

( emp\_id varchar(20) , commuted integer , earn integer , special\_cl integer,half\_pay integer, restricted integer,medical integer,vacation integer )

apply\_for

(

Emp\_id varchar(20) foreign key references faculty(emp\_id) ,department varchar(20) foreign key references faculty(department), leave\_from date primary key ,leave\_to date primary key ,reason text ,address text ,contact integer ,date\_of\_appy date , type\_leave varchar(20) foreign key references leave\_details(name\_of\_leave) ,gender varchar(20) not null checked in(‘male’ and ‘female’)

)

**FUNCTIONAL DEPENDENCIES** :

Faculty

Emp\_id ----> department designation gender

Apply\_for

Emp\_id department leave\_from leave\_to ----> type\_leave

Leave\_details

Name\_of\_leave ----> sanctioned\_by\_HOD sanctioned\_by\_registrar

Leave\_providers

Head\_id ----> department designation

Remaining\_leave

Emp\_id -> commuted,special\_l,half\_pay,earn,medical,vacation,resricted