Group memebers-

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Schema of tables-

1. Faculty table – (faculty\_id -> here, email address is used as unique identity.

faculty\_name -> Name of faculty

dept\_name -> the department he belongs to (ee,me,cs,etc)

leave\_left -> number of leave left this year.

curr\_year -> year

position -> cross cutting faculty (hod,dean,director,employee)

primary key (faculty\_id))

This table stores the data of total faculties in institution taking hod, dean, director and normal faculties.

1. HOD\_leave table – (faculty\_id, faculty\_name, dept\_name,

reason\_of\_leave -> reason for which leave is applied

num\_of\_leave\_left\_thisYear, curr\_year, num\_of\_leave\_applied, start\_date -> starting date of leave

end\_date -> end date of leave

submitted -> timestamp at which application is submitted

primary key (faculty\_id),foreign key (faculty\_id) references faculty);

This table stores data of leave application applied and is forwarded to hod.

1. DEAN\_leave table - (faculty\_id, faculty\_name, dept\_name, reason\_of\_leave, num\_of\_leave\_left\_thisYear, curr\_year, num\_of\_leave\_applied, start\_date, end\_date, submitted,

hod\_id -> email-id of hod

hod\_comments -> comment done by hod on application

approved -> timestamp at which hod approved application

primary key (faculty\_id),foreign key (faculty\_id) references faculty);

This table stores data of leave application applied by employee and is forwarded to dean after approval of hod or corresponding department.

1. DIR\_leave table – (faculty\_id, faculty\_name, dept\_name, reason\_of\_leave, num\_of\_leave\_left\_thisYear, curr\_year, num\_of\_leave\_applied, start\_date, end\_date, submitted, comment, primary key (faculty\_id), foreign key (faculty\_id) references faculty)

This table stores data of leave application applied by hod and dean. This table also contain data of retrospective leave application.

1. Rejected table - (faculty\_id, dept\_name

who -> the person who cancelled the application

comm -> comments on the application

tt -> timestamp at which application was cancelled

)

This table stores data of application which are cancelled or got automatically cancelled.

1. Archive table - (faculty\_id, faculty\_name varchar(50), dept\_name, reason\_of\_leave, curr\_year numeric(4), start\_date, end\_date, tt, hod\_comments, dean\_comments, dir\_comments, tt\_p timestamp)

This table contains all the applied application which in the past with dates and comments of every person.

1. msg table - (faculty\_id, hod\_comm, dean\_comm, dir\_comm, dept\_name)

This table contains the extra messages by cross cutting faculty before giving approval to application.

1. Log table – (uname, email, epassword)

This table stores the login id and password for each faculty.

Functions

1. auto\_cancell function

the function is used to cancel the application which are not approved by the starting date of applied leave.

Procedures

1. update\_year procedure

This procedure will update the year and number of total leaves after the end of the year.

* Notification of comments, sent applications, rejected applications, approved applications are triggered through PHP cases.

Overview

1. First page is the login page. Each faculty can enter their id and password to login to their page.
2. Employee login – In the case a person is a normal employee, his page will show faculty table corresponding to his id. Start date, end date and comment box is present below it. There is a notification position at the top where everything will be notified like who commented, application status, approval, cancellation, etc. It also has rejected and archived leave data.

Hod/dean login – In the case a person a hod/dean, his page will show faculty table corresponding to his id. Start date, end date and comment box is present below it to apply his leave. It also contains hod\_leave/dean leave table corresponding to their department. There is option for reject and approval for their cancellation with a comment box.

Director login – The director will have the faculty table and option for changing hod and dean position. Once the hod and dean position are changed, the leave application forwarded are changed accordingly. The directior will contain dir\_leave table which contains leave applied by hod, dean and retrospective leaves.

1. auto\_cancell function and update\_year procedure is being checked on each login and modifiacation are done accordingly.