D B M S L A B O R A T O R Y

Assignment No. – 7

- **Create the tables as mentioned below, read the problem statements given in *Task - 1* & *Task - 2* and then insert sufficient number of meaningful records (relevant to *Task - 1* & *Task - 2*). Finally, perform *Task – 1* and *Task – 2.***

// Perform the following first to drop the tables if exist in your database

```
drop table crs_regd;
drop table crs_offrd;
drop table faculty;
drop table students;
drop table depts;
```

// Create the tables as follows

```
create table depts(
        deptcode   char(3) primary key,
        deptname   char(30) not null);

create table students(
        rollno     number(8) primary key,
        name       char(30),
        bdate      date check(bdate < '01-JAN-97'),
        deptcode   char(3) references depts(deptcode)
                     on delete cascade,
        hostel     number check(hostel<10),
        parent_inc number(8,1));

create table faculty(
        fac_code   char(8) primary key,
        fac_name   char(30) not null,
        fac_dept   char(3) references depts(deptcode));

create table crs_offrd(
        crs_code   char(5) primary key,
        crs_name   char(35) not null,
        crs_credits number(2,1),
        crs_fac_cd char(8) references faculty(fac_code));

create table crs_regd(
        crs_rollno number(8) references students(rollno),
        crs_cd     char(5) references crs_offrd(crs_code),
        marks      number(5,2),
        primary key(crs_rollno,crs_cd));
```

// Task - 1:

- Create a view of all students in dept CSE.
- Create a view named as cse_stud for ‘CSE’ dept students having attributes rollno, name, hostel
- Insert a new student of CSE. Analyse the result.
- Increment parental income by Rs. 5000 (HRA).
- Delete the view.

//Task - 2:

- ✓ Create another view of all students in dept Mechanical Engineering (department Name).

The view will contain attributes namely Roll-No, Name, Department Name, Age.

Attempt the following:

- Insert a new student of Mechanical Engineering Department.
- Delete a student (for a given Name) of the same department
- Shift a student (for a given Name) from Mechanical to Computer Science.

For each of the above cases, analyse the result.