



**Exercise: 14**

**Entity Relationship Diagram**

**03- May- 2023**

### Observation (5 Marks)

Enumerate and illustrate the different notations used in Entity Relationship diagram with an example.

### Execution (15 Marks)

1. Create a trigger to increment the salary to all the tuples in faculty before any insert on the relation faculty.
2. Create a trigger to alert the student on the courses offered by the same department, when tuples are inserted to relation department.
3. Create a trigger that updates the table grade before any update to the values of phone\_no in faculty table.
4. Make a trigger to deny update in the relation Course offered if the course is already exists.
5. Trigger an Exception as 'You can't remove the existing courses!!!' on trying to delete tuples from Course offered.