

## **Employee Information Systems**

### **1. OBJECTIVES:**

On completion of the case study the participant should be able to:

- Connectivity with Oracle database
- Apply Transaction management with database

### **2. PRE-REQUISITES**

- Database Programming- Oracle SQL, PL/SQL

### **3. SKILLS/CONCEPTS**

- Implementation and Integration skills to solve this case

### **4. DURATION IN HOURS**

- 3 HRS

### **5. SCENARIO**

- ABC organization maintains its employees personal information using Oracle Database. You are asked to create required tables to accommodate employees personal information with the following rules.
- Maintain Address of employee using Composite Data Type, Phone Number using VArray.
- Employees belong to various departments.
- Write DB Scripts to Add a new employee in a given department, Modify the details when employee transfers from One Department to the another.

### **6. DELIVERABLES**

- a. Normalized Tables( up to 3NF)
- b. Table definitions with Relationships
- c. Applying Integrity constraints
- d. Defining the re-usable components
- e. Handling suitable exceptions
- f. Implement the solution with suitable Packages, Procedures, Functions, Cursors etc
- g. Implementing the Database triggers