

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

- A XYZ co-operative bank has managed its business well for 2 years from the time of inception and then decided to computerize its operations to scale up its business. It has thousands of customers, most of who have savings bank accounts with this bank.
- Write the DB script to maintain above process with their day to day transactions and maintain their balances.
- Implement this in the form of Procedures and functions, and Triggers.

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