

College 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

- Consider a college offering different courses, into which the students are joining for various courses. The students may pay the fee in installments
- Identify the tables, attributes and define them with relations
- Write the DB script to maintain above process.
- 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