

# **Database Management System Lab**

**Code: IT691**

**Contact: 3P**

**Credits: 2**

## **Structured Query Language**

### **1. Creating Database**

- Creating a Database
- Creating a Table
- Specifying Relational Data Types
- Specifying Constraints
- Creating Indexes

### **2. Table and Record Handling**

- INSERT statement
- Using SELECT and INSERT together
- DELETE, UPDATE, TRUNCATE statements
- DROP, ALTER statements

### **3. Retrieving Data from a Database**

1. The SELECT statement
2. Using the WHERE clause
3. Using Logical Operators in the WHERE clause
4. Using IN, BETWEEN, LIKE, ORDER BY, GROUP BY and HAVING Clause
5. Using Aggregate Functions
6. Combining Tables Using JOINS
7. Subqueries

### **4. Database Management**

- Creating Views
- Creating Column Aliases
- Creating Database Users
- Using GRANT and REVOKE

**Cursors in Oracle PL / SQL**

**Writing Oracle PL / SQL Stored Procedures**