



# Techno India NJR Institute of Technology

Academic Administration of Techno NJR Institute

## Lab Deployment

Name of Faculty: Mr Pankaj Chittora	Subject Code: 7EX4-21
Subject Name: DBMS Lab	SEM: VII
Department: Department of Electrical Engineering	
Total No. of Labs Planned: 12	

### COURSE OUTCOMES HERE (5 OUTCOMES)

At the end of this course students will be able to:

- 1 Ability to Designing database and constraints using DDL.
- 2 Ability to Database connectivity using JDBC/ODBC
- 3 Ability to designing front end in HLL and accessing data from backend database.
- 5 Ability to designing simple projects using front end-back end programming

Labs No.	Name of Experiment
1	Designing database and constraints using DDL statements.
2	Experiments for practicing SQL query execution on designed database.
3	Database connectivity using JDBC/ODBC.
4	Features of embedded SQL
5	Designing front end in HLL and accessing data from backend database.

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(Principal)

6	Designing simple projects using front end-back end programming.
7	Project for generating Electricity Bills
8	Design and implementation of controller for practical systems - inverted pendulum system.
9	Project for managing student's attendance/marks details.

### TEXT/REFERENCE BOOKS

1. Database Management Systems Book by Johannes Gehrke and Raghu Ramakrishnan
- 2 Fundamentals of Database Systems Book by Ramez Elmasri
- 3 I. J. Nagrath and M. Gopal: Control Systems Engineering, 3rd Ed, New Age Publication.
- 4 An Introduction to Database Systems Book by Christopher J. Date .

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