DATABASE: FOUNDATION LEVEL

- o   OBJECTIVES
- o   TARGET GROUP
- o   TRAINING METHOD
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- o   FEE STRUCTURE
- o   HOW TO APPLY

DATABASE: FOUNDATION LEVEL

OBJECTIVES

- o   Provide basic knowledge on database systems.
- o   Introduce entity-relationship models for databases
- o   Provide knowledge on SQL command/scripting.
- o   Introductory knowledge on design of DBMS system.

TARGET GROUPS

- o   +2 Students

TRAINING METHOD

- o   Presentation classes and labs
- o   Self-study materials
- o   Assignments

COURSE BREAKDOWN

DATABASE SYSTEM

- o   1. Introduction

INTRODUCTION TO SQL

- o   1.1. SQL Data Definition Language (DDL)
- o   1.2. SQL Data Manipulation Language (DML)
- o   1.3. SQL Platforms
    - 1.3.1. MySQL and PostgreSQL
    - 1.3.2. SQL-SQL Server
    - 1.3.3. SQL-DB2 and Oracle

- o   1.4. SQL Data Definition Language (DDL)
    - 1.4.1. SQL-Create Database and Table
        - 1.4.1.1. Create Database
        - 1.4.1.2. Create Table
- o   1.5. SQL Data Manipulation Language (DML)
    - 1.5.1. Data Types
    - 1.5.2. The SQL SELECT Statement
        - 1.5.2.1. Select All Columns
        - 1.5.2.2. The SELECT DISTINCT Statement
    - 3.5.3. The WHERE Clause

        1.5.3.1. Using the WHERE Clause

    1.5.4. The LIKE Condition

    1.5.5. SQL AND & OR, Logical Operators

    1.5.6. SQL IN Logical Operator

    1.5.7. SQL BETWEEN … AND Operator

    1.5.8. SQL GROUP BY and HAVING

    1.5.9. SQL ORDER BY

    1.5.10. The INSERT INTO Statement

        1.5.12.1. Insert Data in Specified Columns

    1.5.13. The Update Statement

        1.5.13.1. Update one Column in a Row

        1.5.13.2. Update several Columns in a Row

    1.5.14. The DELETE Statement

        1.5.14.1. Delete All Rows

o   1.7. DELETE DATA | TABLE or DATABASE

    1.7.1. Delete records from a table

    1.7.2. Truncate a Table

    1.7.3. Drop database

o   1.8. SQL ALTER TABLE

        1.8.1. ALTER TABLE

COURSE DURATION

- 1 month
- 2 hours per day
- 5 days per week
- 40 hours total

FEE STRUCTURE

o   NPR 5000 (payable at the time of admission)

HOW TO APPLY

o   Please email your resume with application letter to trainee@dwit.edu.np.

o   Selected candidates will be called for a placement test and an interview.