



# SQL Server and Database Systems

Training and Certification

Cyber Security Educational Courses Professional Sessions

## ABOUT US

We offer Cyber Security and Information Security training and Certification in Delhi for Cyber Security and Information Technology aspirants. Since Decade, we have been in the Information Technology and Cybersecurity industry. You can learn more about cybersecurity, Techniques, and Tools to choose a better career path.

## DESCRIPTION

Learn the fundamentals of SQL Server and Database Systems in Delhi with expert trainers having 10+ years of industry experience. The course covers Database Concepts, SQL Queries, Database Design, SQL Server Administration, Stored Procedures, Performance Tuning, and Security, delivered by highly skilled professionals with strong domain expertise.



Duration - 40Hrs



Language - Hindi & English



Mode - Online & Offline

## CRAW ACADEMY

### SAKET ADDRESS

1st Floor, Plot no. 4, Lane no. 2, Kehar Singh Estate, Westend Marg, Behind Saket Metro Station, Saidulajab New Delhi - 110030

### LAXMI NAGAR ADDRESS

R31/ 32, 2nd floor Jandu Tower, Vikas marg, Shakarpur, New Delhi - 110092

www.craw.in

+91 951 380 5401



## BENEFITS

1. Basic to Advanced Courses
2. Interview Cracking and Proposal-Making Sessions
3. Transparent Syllabus
4. Career-Oriented Courses and Certifications
5. International Accreditation

SAMPLE CERTIFICATE





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## SQL COURSE MODULE



### Module 1: Introduction to Databases

- What is a Database? – Types (Relational vs Non-Relational)
- RDBMS Concepts and MySQL Architecture
- Tables, Rows, Columns – Data Relationships (1-1, 1-M, M-M)
- Entity-Relationship (ER) Model, Primary Key & Foreign Key

### Module 3: Data Query Language (DQL)

- SELECT, WHERE, ORDER BY, DISTINCT, LIMIT
- Pattern Matching: LIKE, IN, BETWEEN
- Aggregate Functions: COUNT, SUM, AVG, MIN, MAX
- String Functions: CONCAT, LENGTH, SUBSTRING, REPLACE
- Date Functions: NOW(), CURDATE(), DATE\_FORMAT
- Math Functions: ROUND, CEIL, FLOOR

### Module 5: Advanced SQL

- Joins: INNER, LEFT, RIGHT, FULL OUTER, SELF JOIN
- Subqueries (Nested Queries), Views (Virtual Tables)
- CTEs – Common Table Expressions
- Window Functions: ROW\_NUMBER(), RANK(), DENSE\_RANK(), PARTITION BY

### Module 2: SQL Fundamentals – DDL & DML

- DDL Commands: CREATE, ALTER, DROP
- DML Commands: INSERT, UPDATE, DELETE
- Constraints: NOT NULL, UNIQUE, PRIMARY KEY, FOREIGN KEY, CHECK, DEFAULT

### Module 4: Data Grouping & Conditional Logic

- Clause: GROUP BY, HAVING
- CASE Statements for conditional query logic

### Module 6: Database Automation

- Stored Procedures & Stored Functions
- Triggers – automated event-driven logic
- Cursors – row-by-row data processing



## CRAW SECURITY

LEARN | RESEARCH | INNOVATE

### SAKET ADDRESS

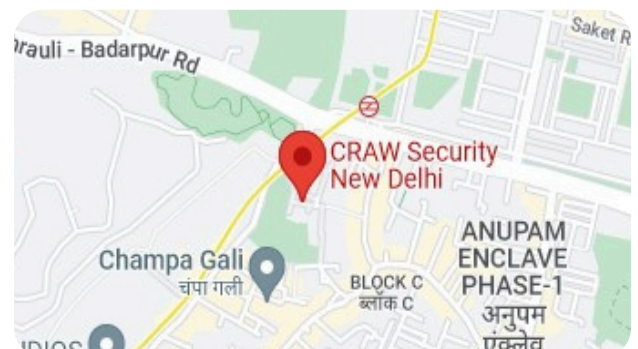
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