Certificate in SQL Expertise

This is an instructor led course which provides participants with the technical skills required to write basic Transact-SQL queries for Microsoft SQL Server 2012. This course is the foundation for all SQL Server-related disciplines; namely, Database Administration, Database Development and Business Intelligence. The course also helps participants to prepare for MS SQL Server Certification Exam 70-461.

This course is intended for Database Administrators, Database Developers, and Business Intelligence professionals. The course will very likely be well attended by SQL power users who are not necessarily database-focused or plan on taking the exam; namely, report writers, business analysts and client application developers.

The training includes face-to-face interactions; and hands-on laboratory sessions on real-world applications.

By the end of the course, participants should be able to:

• Describe the architecture and editions of SQL Server 2012.
• Work with SQL Server Management Studio.
• Describe the elements of T-SQL and their role in writing queries
• Describe the use of sets in SQL Server
• Describe the use of predicate logic in SQL Server
• Describe the logical order of operations in SELECT statements
• Write simple SELECT statements.
• Describe how multiple tables may be queried in a SELECT statement using joins.
• Filter and Sort data with predicates in the WHERE clause and Order by clause
• Describe components of well-performing queries.
• Create and Modify Database Objects
• Work with Data Using SELECT Statements, Sub-queries, Data types and Aggregate queries
• Modify Data Using INSERT, UPDATE, and DELETE Statements and Combine datasets.
• Stored Procedures and Transactions.
• Troubleshoot & Optimize; Query Optimization, Manage transactions, Implement error handling.

Who should attend:

Participants must have basic knowledge of:
• Relational databases.
• Transact-SQL.
• Microsoft Windows operating system and its core functionality.

Duration
• Day Session: 2 Weeks (10 days)

- Evening Session: 4 Weeks
- Weekend Session: 8 Saturdays