

Querying Microsoft SQL Server 2012 (70-461)

- Foundations of Querying
- Getting Started with the SELECT Statement
- Filtering and Sorting Data
- Combining Sets
- Grouping and Windowing
- Querying Full - Text Data
- Querying and Managing XML Data
- Creating Tables and Enforcing Data Integrity
- Inserting, Updating and Deleting Data
- Other Data Modification Aspects
- Implementing Transactions, Error Handling and Dynamic SQL
- Designing and Implementing T-SQL Routines
- Using Tools to Analyze Query Performance

Asp.Net with IIS

- Introduction IIS
- Installing & Configuring IIS
- Creating the home directory
- Using C# code to create ASPNET Pages
- Basics of HTML, HTML5
- Using C# code to create ASPNET Pages
- HTML , HTML 5 along with ASPNET web pages
- Master Pages
- Displaying multimedia contents in Web pages
- Upload a file, download a file
- Using other controls such as Data Grid Control
- Browser Capability Recognition

WPF and WCF in .net

- Introducing WPF
- Introduction to WPF Controls
- Layout and Container Controls in WPF
- Menus, toolbars and status bars in WPF
- Dialogs and Multimedia content in WPF
- Deployment in WPF
- Introducing WCF
- Introducing Service Contracts
- Instance Management in WCF
- Data Contracts and Error Handling in WCF
- More about Service Contracts in WCF

UML for Modelling Software Projects (Systems)

- Fundamentals of UML
- Identify the evolution, scope and building blocks of UML
- UML Drawing tools such as Edraw, dia etc.
- Structural Diagrams and Behavioral Diagrams.
- Create class and object diagrams

Version Control System-Subversion(SVN)

- What is a version control System?
- Introduction to subversion (SVN)
- Creating repositories in SVN
- Standard Layout for SVN repositories
- Basic commands in SVN
- Adding files to repository
- Listing files in repository
- Checkout
- Updating the working copy • SVN diff
- What is TortoiseSVN ?
- Installing TortoiseSVN ?
- Overlaid icons in TortoiseSVN.
- Creating Repositories in TortoiseSVN.
- RepoBrowser.
- Performing basic SVN commands in TortoiseSVN.

Soft Skill Training

- Basics of communication
- Importance of effective communication
- Prepare and deliver an effective presentation
- Interview Preparation
- How to prepare for an interview
- Resume writing tips
- Identify common questions asked in an Interview

Project Internship



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✓ Introduction to OOPS	12 Hrs
✓ Programming in HTML5 with Java script and CSS3 (70-480)	40 Hrs
✓ XML	16 Hrs
✓ Using FTP (File Transfer Protocol)	04 Hrs
✓ Visual Studio 2012 (IDE)	08 Hrs
✓ C#.Net with ADO.Net	52 Hrs
✓ Querying Microsoft SQL Server 2012 (70-461)	40 Hrs
✓ Asp.Net with IIS	44 Hrs
✓ WPF and WCF in .net	40 Hrs
✓ UML for Modelling Software Projects (Systems)	08 Hrs
✓ Version Control System Subversion(SVN)	12 Hrs
✓ Soft Skill Training	08 Hrs
✓ Project	14 Hrs

Programming Logic & Flow Charts

- Programming Fundamentals
- Operating System
- Types of application Programs
- ALGORITHM
- Flow Charts

Programming Fundamentals in C

- Introduction to C Language
- Including external modules, Data types
- Variables and Constants
- Expressions and Operators (Arithmetic, relational, logical, etc.)
- Sequence Controls and Loops in C
- Functions
- Arrays
- Sorting and Searching Arrays
- Multi Dimensional Arrays
- String and Math Functions

Introduction to OOPS

- What is Procedural Programming?
- What is Object Oriented Programming?
- Advantages of OOPS over Procedural programming
- What is a class & an Object?
- Member variable (Object Level (instance) variable)
- Static variable (class level variable)
- Local variable
- Object functions (member functions)
- Constructor
- Static functions
- Access specifier – private, protected, default/internal, public
- The basic characteristics of OOPS
- Abstraction
- Interfaces
- What Is a Package or name space?

Programming in HTML 5 with Java script and CSS3 (70-480)

- Overview of HTML and CSS3
- Creating and Styling HTML Pages
- Introduction to JavaScript
- Creating Forms to Collect and Validate User Input
- Communicating with a Remote Server
- Styling HTML 5 by Using CSS3
- Creating Objects and Methods by Using JavaScript
- Creating Interactive Pages by Using HTML 5 APIs
- Adding Offline Support to Web Applications
- Implementing an Adaptive User Interface
- Creating Advanced Graphics
- Animating the User Interface
- Implementing Real-time Communication by Using Web Sockets
- Performing Background Processing by Using Web Workers

XML

- Introduction to XML
- DTD and XML Schema
- Using CSS with XML
- Using XSLT in XML
- Using XPATH in XML
- Using XML DOM

Using FTP (File Transfer Protocol)

- Introduction to Networks
- Client /Server Concepts
- Protocols
- IP addressing
- What is FTP?
- Different software tools used for FTP (Filezilla, cuteFTP etc.)
- How to create a free domain on the Web ?

Visual Studio 2012 (IDE)

- Build a UI in a WPF application
- Customize the appearance of a WPF application
- Bind UI controls to data sources
- Bind UI controls to collections
- Create new controls in a WPF application
- Manage documents in a WPF application
- Add graphics and multimedia support to a WPF application
- Configure and deploy WPF applications

C#.Net with ADO.Net

- Introduction to .Net
- Expressions and Operators
- Sequence Controls and Loops in C#
- Constructing Classes
- Input/output (I/O)
- Exception Handling
- Working with Threads
- Working with Windows Form
- Working with Common Controls and Events
- Working with Menus and Toolbars
- Working with Printing Controls
- Working with Dialogs
- Creating and Processing Text Files.
- Generics & Collections in C#.Net
- Setup and Deployment
- Introduction to ADO.Net
- ADO.NET Commands
- ADO.net with WinForms
- ADO.net with WebForms
- Language Integrated Query [LINQ]
- XML and ADO.NET
- Entity Framework