ASP.NET : Course Catalog

[candidate need to select either C# or VB.Net track]

- Database

  - SQL Server 2008

  - Installation and configuration

  - Table basics

  - Selecting data

  - Creating tables

  - Inserting into a table

  - Updating records

  - Deleting records

  - Drop a table

  - Advanced Queries

  - Standalone SQL interpreter

- 3 Tier Architecture

  - What is 3 Tier Architecture?

  - Develop application

- ASP.Net 3.5

  - What are the web applications and history of web applications, HTML, scripting, ASP etc.

  - Page Execution Cycle, ViewState, IsPostBack, AutoPostBack

  - Controls in Asp.Net

  - State Management – I (Client side with One example each)

- State Management – II (Server side One example each)

- ADO.NET – Conventional

- ADO.NET – New DataSource model in ASP.NET 2.0, Object DataSource

- Implementing Personalization and Themes in Web Applications + Master Pages

- Configuring ASP.NET .(Web.config files)

- Security of ASP.NET applications including Membership APIs and Roles management

- Optimizing Web Application Performance

- Building Web Part Pages and Web Parts + Deployment

- C# 3.5

  - .NET Framework

  - Framework contd. + Introduction to C#

  - OOPs in C# (One Demo Each). Events & Delegates

  - Partial Classes, Iterators, Indexers , Nullable Types, Generics, Collections

  - WinForm Controls

  - COM InterOperability and Windows Controls (One Demo).

  - ADO.NET (Architecture + Enhancements in 2.0)

  - ADO.NET (Connected Architecture)

  - ADO.NET (Disconnected Architecture -Concurrency, XML View)

  - Reading & Writing in files + Serializing data

  - Multithreading.

  - Web Services. (at least 2 Demos) + Soap Header & Extensions

  - Windows Services

  - Setup and Deployment

- Installer class

- Debugging of Service

- Visual Basic

  - VB Environment

  - Working with Visual Basic Projects

  - Programming Fundamental

  - Menus and Dialog Boxes

  - File Input / Output

  - Introduction to COM and ActiveX

  - ActiveX Data Control ADC

  - ActiveX Data Objects ADO

- VB.Net 3.5

  - Introduction to VB.NET 2.0 + Language Basics

  - OOPS in VB.Net , Events & Delegates

  - Winform controls remaining

  - Partial Classes, Iterators, Indexers , Nullable Types, Generics, Collections

  - WinForm Controls

  - COM InterOperability and Windows Controls (One Demo).

- ADO.NET (Architecture + Enhancements in 2.0)

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- Real Time Project

  - Focus on Applying Technology to Real Problems

  - Project Management & Timelines

  - Exposure to Complete SDLC

  - Coding Standards

  - Best Practices

  - Review Process

  - Deployment

- Skill Development

  o Communication skills
  o Interview Prep