

Live Project



Techi Kids



ISO 9001:2000

ISO 27001:2005



NASSCOM



Duration

5 Months

Objective

This is a skill Development Course to take a person to Advanced Web Development to Get Ready for an IT Job.

When to Attend

- When you are planning a serious career in Software Engineering
- When you intend to improve your employability with the IT employers

Benefits

- Exposure to IT essentials
- Exposure to industry standard Software Development Life Cycle
- An opportunity to work in real time environment on Live Projects (ISO, CMMI)
- Web Development skill
- Improved Placement Opportunities
- Recruitment opportunity with Software Division
- Free Resume posting on our job portal

Contribution towards Microsoft Certification Exams

- 70-562 TS: Microsoft .NET Framework 3.5, ASP.NET Application Development

Pre-requisites

- Thorough Knowledge of Programming Concepts / Language
- Knowledge of working with Visual Studio Environment

Program Output

- Dynamic Website

Learning Plan

Title
Software Analysis
C# Programming with Microsoft .NET
Web Project Designing Techniques using Microsoft SQL Server 2005 & Microsoft Visio
Microsoft .NET Framework 3.5, ASP.NET Application Development
Working with ADO.NET 3.5
Accessing Data From Services: Web Services
Creating Responsive Pages by Using Client-Side Technologies: AJAX
Project Development using n-tier architecture
Software Testing and Deployment



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Learning Coverage

After completing this course, students will be able to:

Software Analysis

Module Objective: Learn Effective Document Analysis and convert the same into Standard Document Definition

Module Title:

1. **Understanding Software Models & its Core Implementation**
2. **Understanding the Document Model**
3. **Document Modelling Methods**
 - Explanation Document
 - Software Requirement Specification
4. **Understanding & Creating Relational Connections**
5. **Validating & Verifying the DTD(Document Type Definition) Model**

C# Programming with Microsoft .NET

Module Objective: Instructing a computer to perform specific tasks related to your Project.

Module Title:

1. Understanding C# Language Fundamentals
2. Creating Objects in C#
3. Implementing Object-Oriented Programming Techniques in C#
4. Programming with C#
5. Delegates and Events
6. Generics

Web Project Designing Techniques using Microsoft SQL Server 2005 & Microsoft Visio

Module Objective : Systematic collection of data, structured so that it can be automatically retrieved or manipulated

Module Title:

1. Basics of Transact-SQL
2. Designing a Database Using an Entity Relationship Diagram
3. Identifying Keys in Tables
4. Designing a Database using SQL SERVER Wizard
5. Querying Databases
6. Maintaining Databases
7. Introduction to Programming Objects
8. Understand Design Documentation Goals.
9. Understand the n-tier Development Architecture.
10. Evaluate ISO Standards & Processes.

.NET 3.5

Module Objective: Build and configure WebSite

Module Title:

1. Overview of the Microsoft .NET Framework.
 - Introduction to the .NET Framework
 - Overview of ASP.NET
2. Creating Web Applications by Using Microsoft Visual Studio 2008 and Microsoft .NET-Based Languages
 - Overview of Visual Studio 2008
 - Creating an ASP.NET Web Application Project
 - Overview of the Microsoft .NET-Based Languages

- Creating a Component by Using Visual Studio 2008
3. Creating a Microsoft ASP.NET Web Form
 - Creating Web Forms
 - Adding Server Controls to a Web Form
 - Creating Master Pages
 4. Adding Code to a Microsoft ASP.NET Web Form
 - Implementing Code-Behind Pages
 - Adding Event Procedures to Web Server Controls
 - Handling Page Events
 5. Tracing in Microsoft ASP.NET Web Applications
 - Tracing and the Trace Object
 - Remote Debugging
 6. Validating User Input
 - Overview of User Input Validation
 - Validation Controls
 - Page Validation
 7. Creating and Implementing User Controls
 - Adding User Controls to an ASP.NET Web Form
 - Creating User Controls
 8. Accessing Data with Microsoft ADO.NET and Visual Studio 2008
 - Overview of ADO.NET
 - Connecting to a Database
 - Accessing Data
 - Accessing Multiple Tables
 9. Accomplishing Complex Data Access Tasks
 - Calling Stored Procedures
 - Data Access by Using LINQ to SQL
 10. Reading and Writing XML Data
 - Overview of XML Architecture in ASP.NET
 - XML and the DataSet Object
 - Managing XML Data
 - Accessing XML Data by Using the XML Web Server Control
 11. Creating an ASP.NET AJAX Application
 - Introduction to ASP.NET AJAX
 - Creating an ASP.NET AJAX Application by Using the ASP.NET AJAX Extensions
 - Extending an Application by Using the ASP.NET AJAX Control Toolkit
 12. Consuming and Creating XML Web Services
 - Overview of XML Web Services
 - Calling an XML Web Service
 - Creating an XML Web Service
 13. Managing State
 - State Management
 - Application and Session Variables
 - Cookies and Cookieless Sessions
 14. Configuring, Optimizing, and Deploying a Microsoft ASP.NET Web Application
 - Implementing the Cache Object
 - ASP.NET Output Caching
 - Configuring an ASP.NET Web Application
 - Deploying an ASP.NET Web Application
 15. Securing a Microsoft ASP.NET Web Application
 - Web Application Security Overview
 - Windows-Based Authentication
 - Forms-Based Authentication



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Software Testing and Deployment

Module Objective: Identify and quantify quality factors such as usability, testability, maintainability, and reliability, and to identify engineering practices for the software product

Module Title:

1. Introduction to Software Testing Terms
2. Types of Testing and Levels of testing
3. Test Goals, Policies, Plans & Documentation
4. Preparing yourself for Test Planning and Management
5. Evaluation Software Quality Approach
6. Quality Control Methods
7. Deploying the Application



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