



**NATIONAL INSTITUTE FOR TECHNICAL
TRAINING AND SKILL DEVELOPMENT**

राष्ट्रीय तांत्रिक प्रशिक्षण आणि कौशल्य विकास संस्थान

Full-Stack Web Developer

(C# .NET + SQL Server)



Full-stack development refers to the method of applying both front-end and back development protocols to develop websites.

This field has been gaining popularity in recent years due to the growing number of digital businesses. It combines the work of managing servers and databases and system engineering. Full-stack developers are in great demand across the world.

Contact : (0) 9224301650 / (0) 8080097128

Email : support@nittsd.com

Website : www.nittsd.com/internship



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Course Syllabus

Module 1: Getting Started with HTML

- 1.1 Introduction to HTML
- 1.2 Browsers and HTML
- 1.3 Editor's Offline and Online
- 1.4 Tags, Attribute and Elements
- 1.5 Images, Tables and more...

Section 2: Introduction to JavaScript

- 2.1 Understanding JS Syntax
- 2.2 Variables and Operators
- 2.3 Objects and Arrays
- 2.4 Conditional Statements
- 2.5 Looping, functions in JS

Module 3: Introduction to C#

- 3.1 Understanding of OOPs concepts
- 3.2 Interface, Inheritance, Collections
- 3.3 Exception Handling
- 3.4 Web Application Designing
- 3.5 Web and Database connectivity

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Module 4: Introduction to ADO.NET

- 4.1 Connection Class
- 4.2 Command Class
- 4.3 Data Reader Class
- 4.4 Data Adaptor Class
- 4.5 Dataset Class

Module 5: Introduction to SQL Server

- 5.1 SQL Data types, Operators
- 5.2 SQL Tables, Queries
- 5.3 SQL Joins
- 5.3 SQL Stored Procedure
- 5.3 SQL Backups

Module 6: Introduction to WEB APIs

- 6.1 Understanding of micro service architecture
- 6.2 Introduction of REST
- 6.3 WCF and Web API
- 6.4 Testing API
- 6.5 Real-time live API integration

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Module 7: Introduction of Micro-service Architecture

- 7.1 What are Micro Services?
- 7.2 Monolithic vs. Micro services Architecture
- 7.3 Characteristics of Micro services Architecture
- 7.4 Benefits of using Micro services Architecture
- 7.5 Micro services Design Principles

Module 8: Real-time Live Project Work

- 8.1 Login, Dashboard pages
- 8.2 Master pages creations
- 8.3 Business flow process Implementation
- 8.4 Settings and Security Implementation
- 8.5 Application Deployment (on IIS or Cloud Server)

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