.Net Content

|  |  |
| --- | --- |
| **Coverage** | **ILT Duration(Hrs)** |
| **C#.NET 2.0,3.0,4.0,5.0,6.0,7.0** | 112 Hours |
| Basics of Computer Architecture Hardware and software | 4 |
| Programming Fundamentals and OOPS Concept | 3 |
| Overview of the Microsoft .NET Framework | 4 |
| Using Microsoft Visual Studio .NET 2019 | 4 |
| C# Language Fundamentals | 4 |
| Using Value-Type Variables in C# | 4 |
| C# Statements | 4 |
| Essentials of Object-Oriented Programming in C# | 4 |
| String and Arrays in C# | 4 |
| Methods and Parameters using C#--- | 4 |
| Creating Objects in C# | 4 |
| Properties and Indexers in C# | 3 |
| Inheritance in C# | 4 |
| Access Modifiers and Constructor | 4 |
| Polymorphism in C#-- | 3 |
| Operators and Equality Comparison | 4 |
| Exception Handling | 4 |
| Collection Classes in C# | 4 |
| Delegates and Events in C# | 4 |
| Destroying Objects and Resource Management in C# | 4 |
| File Handling | 4 |
| Serialization | 4 |
| Threading | 4 |
| Language Enhancements in C# 2.0 | 4 |
| .NET Remoting | 4 |
| Language Enhancements in C# 3.0 | 4 |
| Language Enhancement in C# 4.0, 5.0 and .NET 4.5 | 4 |
| C# 6.0 Features | 4 |
| C# 7.0 Features | 4 |
| Creating Windows Applications | 4 |
| **SOLID Principles and Design Patterns** | 16 |
| Design Patterns and Principles | 8 |
| Dependency Injection using Unity Framework | 8 |
| Unit Testing with TDD approach | 8 |
| Unit Testing with TDD approach | 8 |
| **RDBMS & SQL Server 2019** | 40 |
| Normalization Concepts | 2 |
| SQL Server Overview | 2 |
| SQL Server Tool | 2 |
| Creating Tables and Data Types | 2 |
| Creating Databases | 2 |
| Enforce Data integrity | 2 |
| Retrieving and Modifying Data | 2 |
| JOINS | 2 |
| T-SQL PROGRAMMING | 2 |
| Database Penetration Testing Methodology | 2 |
| Creating Tables and Data Types | 1 |
| Creating Databases | 1 |
| Enforce Data integrity | 2 |
| JOINS | 2 |
| T-SQL PROGRAMMING | 2 |
| IMPLEMENTING FUNCTIONS | 2 |
| IMPLEMENTING STORED PROCEDURES | 2 |
| IMPLEMENTING INDEXES | 2 |
| IMPLEMENTING TRIGGERS | 2 |
| IMPLEMENTING CURSORS | 2 |
| Transaction in SQL SERVER | 2 |
| Retrieving and Modifying Data | 2 |
| **ADO.NET, LINQ, EF** | 24 |
| Data-Centric Applications and ADO.NET | 2 |
| Connecting to Data Sources | 2 |
| Performing Connected Database Operations | 3 |
| Building Datasets | 3 |
| Reading and Writing XML with ADO.NET | 2 |
| Introduction to LINQ | 2 |
| LINQ to SQL | 2 |
| Entity Framework | 2 |
| Introduction to the Internet | 2 |
| Retrieving and Modifying Data | 2 |
| **HTML, CSS, JavaScript, jQuery & Bootstrap** | 24 |
| HTML 5 | 3 |
| CSS 3.0 | 3 |
| JavaScript | 4 |
| jQuery | 4 |
| JSON | 3 |
| Bootstrap Fundamentals | 3 |
| LINQ to SQL | 3 |
| **ASP.NET 4.5** | 24 |
| **ASP.NET 4.5 Application Model** | 2 |
| ASP.NET Web Forms | 2 |
| ASP.NET Web Form Controls | 2 |
| **ASP.NET Web Form Event Model** | 2 |
| Validation in ASP.NET | 2 |
| The ASP.NET Post Back Model | 2 |
| Debugging Tracing and Exception Handling ASP.NET Application | 2 |
| Validation in ASP.NET | 2 |
| **Creating a Common Layout using Master Pages in ASP.NET** | 2 |
| Caching | 4 |
| Implementing Web APIs in ASP.NET MVC 5 Web Applications | 4 |
| .NET CORE 5.0 | 24 |
| **ASP.NET 4.5 Application Model** | 4 |
| .NET Core First Application | 4 |
| ASP.NET Web Form Controls | 4 |
| **Controllers & Action Methods** | 4 |
| Validations & Data Annotations | 4 |
| MVC and Entity Framework Core | 4 |
| AZURE Cloud | 16 |
| **Introduction to Azure Cloud Platform** | 4 |
| Deployment in Azure Portal using Pipeline | 4 |
| AZURE Cloud | 24 |
| Weekly Test, Case Study Explanation, Discussion, Evaluation |  |