

Dear Student,

Based upon your enquiry we are pleased to send you the course curriculum for Advance Asp.net

Given below is the brief description for the course you are looking for:

LINQ and Entity Framework Training: - 25 Hours

What is LINQ

- What is the different provider of LINQ
- Syntax of LINQ

LINQ to Object

- Array with LINQ
- Arraylist with LINQ
- LIST with LINQ

Lambda Expression

- What is Lambda Expression
- Delegate with Lambda Expression
- Func and Action Delegate with Lambda Expression
- Extensions Methods

LINQ to SQL

- SQL Server mapping with SQL and DataContext
- Insert, Update, Delete using LINQ
- Select operation using LINQ
- Stored Procedure Mapping with LINQ
- DataTable traversal using LINQ

LINQ to XML

- Introduction of LINQ to XML
- Creation of XML
- Traversing of XML
- Manipulating XML
- Deleting from XML
- Updating XML
- Working with Attributes

LINQ standard Query Operators

- Concatenation Operator
- Ordering Operators
- Grouping Operators
- Set Operators
- Aggregate Operators
- Select and SelectMany
- Lazy Loading and Eager Loading
- Joins
- Generations Operator in LINQ
- Quantifiers in LINQ
- Group Joins
- Partitioning Operator in LINQ

LINQ to Entity

- Introduction of Entity Framework
- What is Entity Framework
- Difference between LINQ and Entity Framework

Entity Framework Approach

- Database Approach
- Model First Approach
- Code First Approach
- Stored Procedure implementation

Relationship in Entity Framework

Windows Communication Foundation (WCF)(20 Hours)

Introduction of WCF

- Basic Concept of WCF
- Difference between web Service and WCF
- Introduction of Endpoints
- Introduction of Bindings

- Introduction of Contracts
- Introduction of Service Model namespace
- Hello application with WCF
- Configuration of Endpoints in Web Config
- Implementation of Hello Application

Contracts

- Basic Concept of Contract
- Service Contract Implementation
- Data contract Implementation
- Message Contract Implementation
- Fault Contract Implementation

Bindings

- Introduction of Binding
- Implementation basicHttpBinding
- Implementation wsHttpBinding
- Implementation wsDualHttpBinding
- Implementation netTcpBinding
- Implementation netMsmqBinding
- Customization of binding

WCF hosting

- Introduction of WCF Hosting
- IIS Hosting
- Self-Hosting
- WAS Hosting

Instance Management

- Introduction and Implementation of per call instance model
- Introduction and implementation of per session instance model
- Introduction and implementation of singleton instance model

Throttling

- Introduction of throttling
- Implementation of throttling

Message Exchange Pattern

- Request-Reply
- One-Way
- Call Back

Transfer Mode

- Buffer Transfer
- Stream Transfer
- Stream Request Transfer
- Stream Reply Transfer

Security

- Transfer Security
- Transport Security
- Protection level security

Transactions

- Introduction of Transaction in wcf
- Implementation of transaction in wcf

Rest Service Implementation using WCF