



## About QuickXpert Infotech

QuickXpert Infotech provides professional training on some of the most updated, industry-designed certification & job oriented training programs to both students & corporate from experts in both classroom & online training format. Our wide range of courses blended by our placement assistance process have helped our students from both IT & non IT fields to make career in IT Industry.

**Overall 30+ Courses - 700+ Companies - 1000s Trained !**

**Courses Offered** - SAP modules, JAVA, Dot Net, Software Testing, Web Development, Oracle, Digital Marketing, Python, Data Science & A.I., Salesforce, Tableau, Power BI, Android, Hybrid Apps, R, Hadoop etc. please visit website for details.

**Our Live Projects** - BiodataKing, TeriMeriChoice, theVibrantBirdie etc

## About The Course

Dot Net is 1 of of Leading Technologies in World developed by Microsoft available in Visual Studio for development. Blended by ease of use and development with drag and drop features It is one of the most preferred technologies for quick web mvc applications. C# or C Sharp being the primary language for programming supported by Asp.net for web application development and MVC.net for MVC projects. Apart from this it also provides data persistence via Entity Framework & Web Services using WCF/Web API to interact with non Dot Net projects that makes it one of the most sought technologies for developing n-tier Complex Application Projects and also taught in this course. Learn all the technologies mentioned above and **become a Full Stack Dot Net Developer !**

## Who Can Learn ?

Fresher or Experienced people from either IT or non IT background interested in programming and want to make their career as Dot Net Developer

## Any Pre-requisites ?

None ! We will teach you right from Basics to Adv modules.

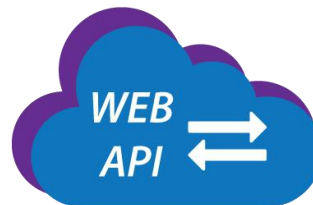
## Duration

**6 months**

***Enroll in our PG Program > Get FLOODED With Job Opportunities !***

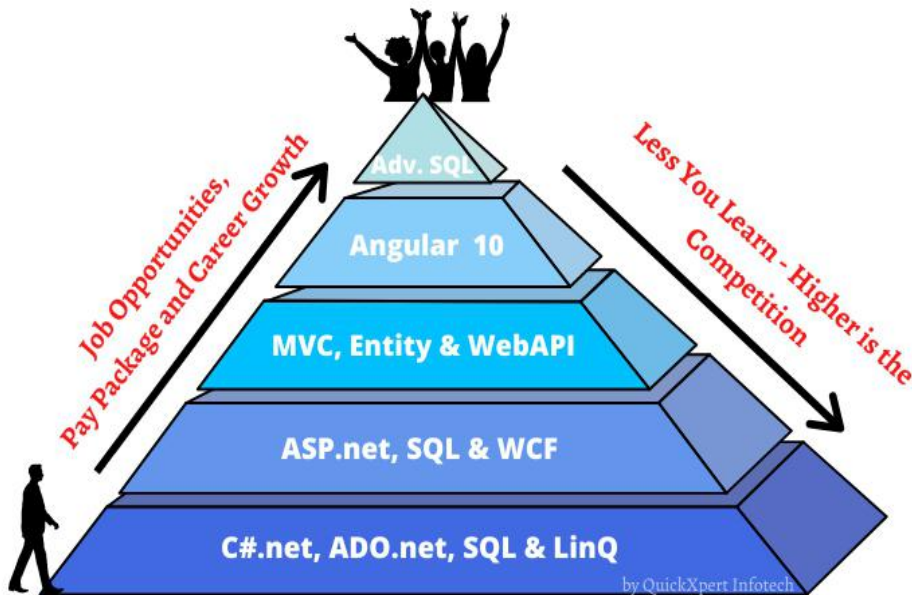
Free Demo / Free Lecture / Customized Training Program Available.

## Tools You Will Learn



# Job Opportunities in Dot Net

- ❖ As per Latest Industry & Job Trends. Can Check on Naukri.com

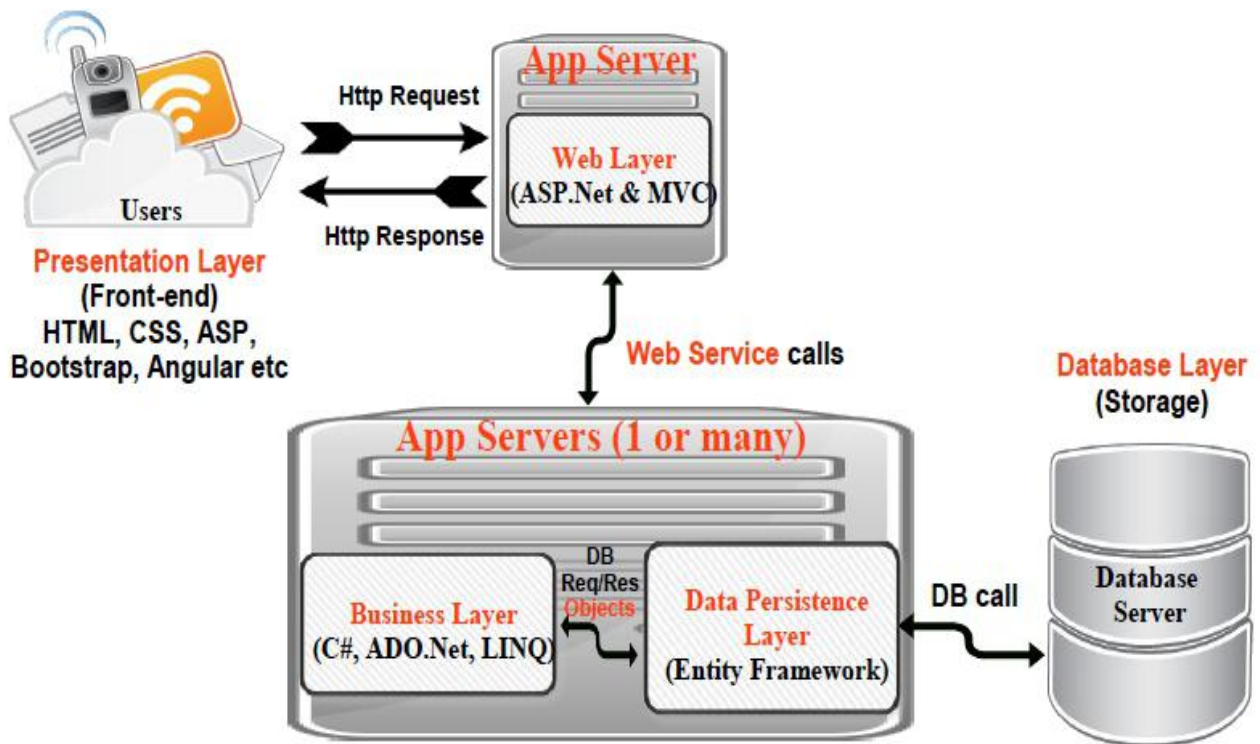


## About Our PG Program

## Course Overview

- ❖ C# + ADO.net + LINQ + SQL Server CRUD - 1 month 1 week
- ❖ Asp.Net & WCF + Web Designing Components + Ajax & JSON + Project - 1 month, 1 week
- ❖ MVC.net, Entity Framework & Web API - 1 month, 1 week
- ❖ Pkg 1 : Adv. Diploma - all above technologies - 3.5 months
- ❖ Angular 10 (latest) - Among Industry Leaders in Client Side Front End Development widely used with .NetMVC - 3 weeks to 1 month
- ❖ Adv. MS SQL Server (SQL & Adv. SQL Routines like Procedures etc.) 1 to 1.5 months
- ❖ Pkg 2 : PG Program - Free Tools (Crystal Reports, GitHub) - 6 months
- ❖ **OR** Create Your Own Training Package

# n-Tier Application You Will Develop



MVC – Model, View & Controller

Syllabus Mentioned Below :

# C#.net

## ❖ C# Basics

- Introduction
- Variable, Keywords & DataTypes
- Expression & Operators
- Methods & Parameters

## ❖ Control Statements

- if-else
- while & do while
- for loops
- for-each etc

## ❖ Logic Building Session

- Structures and Enumeration
- Array
- Type Conversion (Casting)
- Boxing & Unboxing
- String & Date Functions

## ❖ OOPs Basics

## ❖ Class & Objects

## ❖ Constructor and Destructor

## ❖ Inheritance

## ❖ (IS-A) Relationship

## ❖ (HAS-A) Relationship

## ❖ Polymorphism

- Method Overloading
- Method Overriding

## ❖ Encapsulation

- Access Specifiers
- Properties - SET/GET

## ❖ Abstraction

- Abstract Class
- Interface

## ❖ Nested Classes

## ❖ Delegates

## ❖ Exception Handling

## ❖ Extension Method

## ❖ System.Collections

- Hashtable
- ArrayList
- Stack
- Queue

## ❖ System.Collections.Generic

- Stack
- Queue
- HashSet
- SortedSet
- List
- SortedList
- LinkedList
- Dictionary
- SortedDictionary

- ❖ **Generics**
- ❖ **Multi Threading**
- ❖ **File IO**
- ❖ **Serialization & DeSerialization**
- ❖ **Lambda Expressions**
- ❖ **LINQ**
- ❖ **LINQ With SQL**
- ❖ **SQL Server Integration**
  - Installing SQL Server
  - Installing SQL Server Management Studio
  - CRUD Operations
    - Create
    - Read (Select)
    - Update
    - Delete
- ❖ **ADO.NET**
  - Connected & Disconnected Environment
  - Connection & Command
  - Data Providers
  - Dataset
  - Datatable
  - Datareader
  - Dataadapter
- ❖ **Project**



# ASP.net & WCF

## ❖ Creating Dynamic Responsive Web Applications Using ASP.net

### ❖ Introduction to ASP.Net

- ASP.NET LifeCycle
- Controls and Properties
- HTML & CSS
- Creating Forms
- WebConfig & Global.aspx File

### ❖ Asp.Net Standard Controls

- Label
- Literal
- List
- Image
- Panel
- Textbox
- RadioButton & RadioButtonList
- CheckBox & CheckBoxList
- Button,LinkButton & ImageButton
- DropDownList & ListBox
- FileUpload

### ❖ Advanced Controls

- MultiView & View
- Wizard
- Calendar

### ❖ Cascading Dropdown List

### ❖ Data Controls

- GridView
- FormView
- DetailView
- SqlDataSource

## ❖ Validation Controls

- RequiredField Validator
- RegularExpression Validator
- Range Validator
- Compare Validator
- Validation Summary

## ❖ Creating User Controls

## ❖ Master Pages

## ❖ Form Processing & Context Pages

## ❖ Using Web Designing Components

- HTML
- CSS
- Javascript
- jQuery
- Bootstrap

## ❖ Site Navigation

- SiteMapPath
- TreeView
- Menu

## ❖ Page Redirects

- Response.redirect
- Server.Transfer

## ❖ Session & State Management

- ViewState
- ControlState
- Hidden Field & QueryString
- Cookies
- Session
- Application State

## ❖ Security Implementation

- Authentication
- Authorization

## ❖ Lambda Expressions

## ❖ SQL Server Integration

- Installing SQL Server
- Installing SQL Server Management Studio
- CRUD Operations
  - Create
  - Read (Select)
  - Update
  - Delete

## ❖ LINQ

## ❖ LINQ With SQL

## ❖ ADO.NET

- Connection & Command
- Data Providers
- Dataset
- Datatable
- Datareader
- Dataadapter
- Working with Stored Procedure

## ❖ AJAX & JSON

- Creating & Usage

## ❖ WCF

- Basics
- Creating WCF Services
- Data Contracts
- Operation contracts
- Service Contracts
- Configurations & Binding
- Consuming WCF Services in ASP.Net

## ❖ Tracing - Enabling Tracing for Server Logs

## ❖ Deploy Process on IIS Servers

# MVC.net, Entity Framework & Web API

## ❖ Understanding MVC Architecture

## ❖ Setup

## ❖ Building First Basic MVC Application

## ❖ Validation Controls

- Creating Models
- Creating Controller
- Bootstrap Overview
- Creating Views
- Razor view
- ViewBag and ViewData

## ❖ Binding Model with Views

- Working with TempData

- ❖ **HTML helpers in MVC**
- ❖ **Http Verbs - Get, POST, PUT, DELETE**
- ❖ **Routing in MVC**
  - Conventional Routing
  - Attribute Routing
- ❖ **Creating Partial View**
- ❖ **Validations in MVC**
- ❖ **UpdateModel & Tryupdatemodel**
- ❖ **Layout in MVC**
- ❖ **State Management**
  - Hidden Field
  - Cookies
  - QueryString
  - Session
  - Application State
- ❖ **Authentication and Authorization**
- ❖ **Entity Framework**
  - DBset and Dbcontext
  - Creating Persistence Layer
  - Data Annotation
  - Crud Operations
  - Types of Approaches in Entity Framework
    - DataBase First Approach
    - Code First Approach
    - Model First Approach

## ❖ MVC Integration with Entity Framework

## ❖ AJAX & JSON integration with MVC

## ❖ Web API

- Basics
- Creating Web API
- Consuming Web API

## ❖ Live Project

# Angular 10

## ❖ **Angular 10** (1 of Industry Leaders Client side Structural Framework based on Typescript & MVC programming to build Dynamic Web Apps)

- Angular CLI
- Installing Angular 10 using Node.js
- Typescript programming
  - Variables & Constants
  - Classes & Objects
  - Interface
  - Inbuilt functions
  - User defined functions
  - Conditional statements
  - Printing in console
- Angular components and modules
- Form designing in Angular
- Angular CSS syntax
- Angular template syntax and data binding: Interpolation and Event binding
- Angular Pipes
- Angular Directives
- Angular Services
- Angular HttpClient
- Angular Routing
- Angular Material

- Using Bootstrap with Angular
- CRUD Operations & Integrating RESTful Web Services - covered in Track 1 - Angular with PHP and MySQL
- CRUD Operations & Integrating RESTful Web Services - covered in Track 2 - Angular with Node.js
- **Project**

## SQL Server Syllabus

### ❖ SQL Server Setup & Configuration (covered in C#)

### ❖ Using Professional Tool - SQL Server Management Studio

### ❖ Design Database

- Create Tables
- Create Index
- Implementing Foreign Keys
- Using Auto Increment

### ❖ Index & Constraints

- Foreign Keys
- Primary key & index
- Unique key & index
- Not null constraint

### ❖ CRUD Operations

- Create / Insert
- Read
- Update
- Delete

### ❖ Select Queries

- Basic Queries
- Using AND conditions
- Using OR conditions
- Using in, between, distinct and like keywords
- Sorting in ascending and descending order

## ❖ Functions

- Trim
- Uppercase
- Lowercase
- LengthPosition
- Left
- Ifnul
- Substring
- Substringindex
- Date
- Numbers
- Convert
- Cast etc.

## ❖ Groups

- Understanding Grouping Columns Usage - Dos & Don'ts
- Grouping Functions
  - Min | Max | Sum | Count | Average | Distinct Count
- Using Having Clause
- Filtering on grouping functions
- Multi column groups

## ❖ Joins

- Creating Foreign Keys and use them in Joins
- Inner Join or Natural Join
- Left Outer Join
- Right Outer Join
- Full Outer Joins
- Complex Join Queries etc

## ❖ Views, Inline Views & Joins

## ❖ Sub query

## ❖ Create Complex Queries

- Using Joins, Groups, Views & Subquery all together
- Creating tables using queries
- Inserting, Update & Delete using Select Queries

## ❖ Top n Analysis



## ❖ SQL Server Routines

### ❖ Cursors

### ❖ Procedures

- Programming in Procedures
  - If..elseif...else
  - while
  - For loops
- IN & OUT parameters
- Integrating SQL with Procedures
- Using Grouping & Joins in Procedures
- Returning Select Query Output from Procedures
- Conditional Select & Query Output from Procedures
- Condition Updates / Inserts / Deletes
- Using Temporary Tables
- Creating Dynamic & Runtime Queries in Procedures & Usage etc.

### ❖ Cursors

### ❖ Functions

- Programming in Functions
  - If..elseif...else
  - while
  - For loops
- IN & Return parameters
- Basic and Advanced Functions with and without SQL Queries

### ❖ Exception Handling

### ❖ Triggers

### ❖ Data Export & Import

### ❖ Creating Professional ER Diagram in Management Studio

### ❖ Integrating and Executing Routines with Dot Net Application

## Crystal Reports (Free)

- (opens up good to high paid and even crystal report jobs)
- Setup & Configuration
- Understanding Crystal Reports Layout
- Creating Basic Reports like Sorting, Groups & Summary in Reports
- Charts & Dashboards
- Integration with Dot Net Application

## GitHub (Free)

- Registering with GitHub
- Deploying Application on GitHub & Using Github for version control

## Deploy Application on Server (Free)

- Steps to Register with Internet Service Provider (ISP)
- Configure & Deploy application on the Server
- Show application in your interviews and mark an impression on interviewer !

## Interview Preparation

- Throughout training program + At the end Mock Interviews
- Resume Preparation

## HR Introduction & Placement Process

- Introduction to HR
- To Save Time, Placement Process will start from 4<sup>th</sup> / 5<sup>th</sup> month to help you quickly land in IT Jobs even while you are Learning !
- Simple Equation :: More You Learn (Related Technologies) >> Less Competition >> Be Unique >> Help in Quick Jobs
- Hence Our PG program is designed as per industry trends. Check Both on Naukri Portal or Pyramid Diagram in the PDF.

## Other Benefits

- ❖ **Training from Experts**
- ❖ **Installments Available**
- ❖ **Job Oriented Course**
- ❖ **80% Practicals** - Learn from Scratch
- ❖ **Professional Notes & Study Material Provided**
- ❖ **Certification Course**
  - You will get Course Completion ISO Certificate from our Institute
- ❖ **Live Projects / Case Studies Covered**
- ❖ **Dedicated Placement Team**
- ❖ **100% Job Opportunity**
  - Check Recent Placed Students on Site / our FB Page / our Google Page
- ❖ **Personal Mentorship**
  - Limited Seats per batch for Personal Mentorship
- ❖ **Friendly Environment with Professional Grooming**
- ❖ **Interview Preparation & Mock Interviews**
- ❖ **Resume Building etc.**

Please visit site for more info or reach us

**Note : Enroll in our PG Program > Get *FLOODED* With Job Opportunities !**

## Our 5 Steps Process for Success



## Contact Us

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**Inquire Now !**

