

**SOFTCRAYONS**  
Tech Solution Pvt. Ltd



### **Practical Training Program Branch - Ghaziabad,Noida**

- » Graphic Designing
- » Programming  
Python - Java - PHP ++  
C++ - C - Ruby On Rails  
Perl
- » Web Designing
- » Networking - CCNA  
CCNP- MCITP - MCSE  
Hardware
- » CAD- CAM-CAE  
Autocad for Civil  
Autocad for Electrical  
Autocad for Mechanical  
Catia V5 / Staap PRO/  
Revit / Revit Structure  
Revet Architecture / Soliworks  
PRO E / CREOC(Fr - Designers)  
3D Max / Inventor / Ansys / Vray
- » Digital Marketing
- » Android Application
- » Sap - ERP - ABAP  
Erp Basis / Erp-Bi  
Erp-Bo / CRM/ HR/HCM / MM  
PP / Controlling / Hana / SCM  
Finance
- » Software testing  
Manual testing  
Automation - testing  
QTP - Selenium
- » MS Office
- » Tally With GST
- » 1 Angular Js / 2 Angular  
3 Angular / 4 Angular
- » Vmware

## **Advanced .Net Course Syllabus**

### **MVC**

#### **Module 1 .Overview of the ASP.NET MVC**

- Introduction of ASP.NET MVC
- Role of Model, View, and Controller
- How ASP.NET MVC Works
- Benefits of using ASP.NET MVC
- Comparison of ASP.NET VS ASP.NET MVC
- Summary

## **Module 2 .Getting Started with MVC and its Action Result type**

- Understanding the structure of an ASP.NET MVC project
- Creating views
- Defining controllers
- Defining a data model
- Overview of coding standards follows during programming
- Types of Action Result in MVC
- Summary

## **Module 3 .Creating an application in MVC using Razor View Engine**

- Creating strongly-typed views
- Understanding URLs and action methods
- TempData, view Bag and View Data with example
- Data Annotations
- Validation in MVC
- Razor Basics and Implementation of Razor view
- Accessing Model Data in Razor views
- Defining and using HTML Helpers
- Defining and Designing a layout Page
- Defining and using partial views

## **Module 4 .Using AJAX and jQuery with ASP.NET MVC**

- Overview of AJAX
- Using AJAX Action Links
- Overview of jQuery
- jQuery Techniques
- Using post and get methods in jquery

- Using AJAX and JQuery in MVC with Example

## **Module 5 .Overview of Entity Framework and its approaches**

- Over View of Entity Framework
- Code First Approach with example
- Model First Approach with example
- Database First Approach with example

## **Module 6 .Working with ASP.NET MVC Applications using EF Approaches Code First, First, Database first**

- ASP.NET application architecture best practices
- Implementing a Repository and Entity Framework Data Model
- Define Dependency Injection
- Using Dependency Injection
- Accessing a Repository in controller

## **Module 7 .Import and Export Excel file in MVC**

- Basics of I/O classes in MVC
- Basics of input and output streams.
- Create the excel document with records and create the view to upload/import the excel
- How to import an excel from view to the database
- Export the Data from Database to excel
- Summary

## **Module 8 .Convert web grid into PDF file in MVC**

- Create the view using web grid
- How to convert the webgrid into pdf
- Summary

## Module 9 .Sending Emails

- Designing email panel
- How to send an email to various users
- Sending auto emails
- Summary

## Module 10 .Integration of WCF service with MVC

- Basics of WCF service creation
- WCF and its types of contracts
- How to consume the WCF service with MVC
- Summary

### Deployment

1. Deploying using Github
2. Angular2 Hosting Options
3. Hosting Angular App on cloud server Heroku

### Batch Timings –

| Days              | Class Duration | Course Duration |
|-------------------|----------------|-----------------|
| Monday-Friday     | 2 Hours        | 1 Month         |
| Saturday & Sunday | 3 Hours        | 1.5 Months      |
| Sunday            | 4 Hours        | 2 Months        |

Regards,

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