Syllogistek
Systems Private Limited

Flat No: 502, Sree Nilayam,
Above New Sampoorna Super Market,
Lanco Hills Road, Manikonda,
Hyderabad – 500089

Day	Mode	Duration (in Hours)	Course Content
Day1 (Weekend)	On Premise	6	**Introduction to .Net** • Introduction to .Net Framework • Introduction to c# • Understanding .Net assemblies: Assemblies, different build type : console, windows, DLLs • Common Language Infrastructure (CLI) • Managed code philosophy • Introduction to Object Oriented Programming • Understanding of Visual Studio • Projects • Solutions • Debugging, Bookmark • Industry coding standard & ESS coding standard *Environment Setup & Writing simple programs (Lab Session)*
Day2 (Weekend)	On Premise	6	**Introduction to .Net** • C# Language specification: • Strings, Dates and time, Integers, Real numbers, Booleans • Performing calculations with mathematical operators • Converting between data types • Value and reference types • Controlling program execution • IF statements • Writing complex criteria expressions • CASE (switch) statements • For...Next, Do While...loops • Handling errors • Throwing exceptions • Stepping through code with the debugger • Try...Catch...Finally error handling • Commenting code • Basic Event handling *Ordinary Calculator, using window forms (Lab Session)*
Day3	Video Conf + Offline** (Assignment)	3 + 2 to 3	**Object Oriented Programming using C#** • Encapsulation, Abstraction, Polymorphism, Inheritance • Benefit of OOPS
Day4	Video Conf + Offline** (Assignment)	3 + 2 to 3	**Object Oriented Programming using C#** • Dividing code into classes • Adding fields, methods, properties, events and constructors • Defining scope and visibility

Day5	Video Conf + Offline** (Assignment)	3 + 2 to 3	**Object Oriented Programming using C#** • Defining classes • Encapsulating attributes with methods and properties • Providing consistent initialization using constructors • Overloading methods and constructors • Achieving reuse through inheritance and polymorphism
Day6	Video Conf + Offline** (Assignment)	3 + 2 to 3	**Object Oriented Programming using C#** • Creating and using objects • Allocating object memory with new • Passing initial values to constructors • Choosing value or reference allocation • Invoking methods and accessing properties • Delegate & Events
Day7	Video Conf + Offline** (Assignment)	3 + 2 to 3	**Object Oriented Programming using C#** • Separating application responsibilities into classes • Single responsibility principle. • Inheriting a base class • Overriding methods in derived classes • Reusing code from multiple projects • Creating a class library in Visual Studio • Setting references
Day8	Video Conf + Offline** (Assignment)	3 + 2 to 3	**Unit testing and best practices**
Day9	Video Conf + Offline** (Assignment)	3 + 2 to 3	**ASP .Net** • Version Controlling using SVN • Industry best practices
Day10	Video Conf + Offline** (Assignment)	3 + 2 to 3	**ASP .Net** • Functioning of website • asp .net architecture • Challenges in website development.
Day11	Video Conf + Offline** (Assignment)	3 + 2 to 3	**ASP .Net** • Applying common Web Form controls • Creating consistent layouts with Master Pages
Day12	Video Conf + Offline** (Assignment)	3 + 2 to 3	**ASP .Net** • Page Lifecycle, • Event Modelling, • Response Request server objects, • Get-post method
Day13	Video Conf + Offline** (Assignment)	3 + 2 to 3	**ASP .Net** • State Management: • View state • Session state • Application state • Profile object • Cookie

Day14	Video Conf + Offline** (Assignment)	3 + 2 to 3	**ASP .Net** • Page Navigations (Navigating from one page to another page through different methods and passing value from one page to another page).
Day15	Video Conf + Offline** (Assignment)	3 + 2 to 3	**ASP .Net** • User controls, Custom control, Extended controls
Day16	Video Conf + Offline** (Assignment)	3 + 2 to 3	**ASP .Net** • Application Authentication and Authorization
Day17	Video Conf + Offline** (Assignment)	3 + 2 to 3	**ASP .Net** • Integrating Ajax with existing pages • Increasing responsiveness with Update Panel • Triggering Ajax from outside the Update Panel
Day18	Video Conf + Offline** (Assignment)	3 + 2 to 3	**ADO .Net** • Introduction to ADO.Net • The ADO.NET Data Providers
Day19	Video Conf + Offline** (Assignment)	3 + 2 to 3	**ADO .Net** • Working with Parameters • Working with SQL Server Stored Procedures • The Disconnected Model • Working with the Data Adapter • Working with the members of a Dataset • Working with a Data View. • Data Bindings with Web Controls.
Day20	Video Conf + Offline** (Assignment)	3 + 2 to 3	• **Refresher on JQuery, HTML DOM, CSS**
Day21 (Weekend)	On Premise	6	**ASP .Net** • Webservices in ASP.Net Web Forms • Usage of Webservices using JQuery
Day22 (Weekend)	On Premise	6	• Review • Discussion on a Web Application Project
Day 28 (6 days)	Offline** (Project)	20 - 25	**Submission of Project**

**Note: All the Video Conference classes will be followed by 2 to 3 hrs of Assignments that participants are expected to spend time on.

The exact date and days will be published based on start date and ESS holiday calendar