

## ASP.NET CORE COURSE CONTENT

**Duration-** 1 week

**Prerequisite** - Participants must have a good understanding of Object oriented programming language and Data base.

**Course Objectives** -This course will offer a deep dive into the configuration techniques you'll need to build a fully functioning ASP.NET Application. We'll cover a set of modules that are essential to large-scale sites and cover topics ranging from managing media and content moderation to configuring an advanced search interface.

### **Lab Setup Details :**

#### **Hardware requirement:**

CPU : I4/I5 , Hard Disk : 50GB , RAM :8 GB

#### **Software Requirement:**

- XAMPP <https://www.apachefriends.org/download.html> (DOWNLOAD VERSION 5.6.31)
- MSOFFICE 2010
- NOTEPAD++ <https://notepad-plus-plus.org/download/v7.5.1.html> (DOWNLOAD VER 7.5.1)
- SUBLIME TEXT3 <https://www.sublimetext.com/3>
- Visual Studio Code <https://code.visualstudio.com/download>
- PDF READER <https://adobe-reader.en.softonic.com/download>
- Browser Google Chrome OS Window 10

## **Course Outline**

### **Module 1:- Introduction to ASP.NET Core**

What is ASP.NET Core?

ASP.NET Core Features

Advantages of ASP.NET Core

MVC Pattern

Understanding ASP.NET Core MVC

ASP.NET Core vs. ASP.NET MVC vs. ASP.NET Web Forms

### **Module 2:- ASP.NET Core First Application**

ASP.NET Core Environment Setup

ASP .NET Core First Application

Project Layout

Understanding Life Cycle of ASP.Net Core Request

### **Module 3:- Controllers & Action Methods**

Controllers Overview

Action Methods and IActionResult object

Passing data from Controller to View

Understanding Action Selectors

Action Filters

Building Custom Action Filters

Middleware  
Asynchronous Action Methods