

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