



ASP.NET

COURSE OVERVIEW

MODULE 1: ASP .NET CORE

- ASP.NET Core Overview
- Installing asp.net core development using VS and VS Code
- Creating the First asp.net core web application
- Common architectural Changes happened in Core.
- Main method in asp.net core with Start up
- ASP.NET Core In-Process and Out of Process Hosting
- Understanding launchsettings.json file and appsettings.json file
- Middleware in ASP.NET Core and Custom middleware
- How to configure request processing pipeline
- Static Files in ASP.NET Core with wwwroot
- Know more on ASP.NET Core developer exception page
- ASP.NET Core Environment Variables
- Model, View Controller in ASP.NET Core MVC
- Learn more on ASP.NET Core dependency injection tutorial
- Layout view in asp.net core mvc
- _ViewStart.cshtml and _ViewImports.cshtml in ASP.NET Core MVC
- How to handle Routing in ASP.NET Core MVC
- Attribute Routing in ASP NET Core MVC
- Bootstrap in ASP.NET Core

MODULE 2: AREAS

- Tag helpers in asp.net core
- ASP.NET Core Image tag helper, Environment Tag Helper
- Form tag helpers in asp.net core
- ASP.NET Core Model Binding and Model Validation
- Select list validation in asp.net core
- Introduction to entity framework core
- Install entity framework core in visual studio
- DbContext in entity framework core
- Using sql server with entity framework core
- Repository pattern in asp.net core
- Entity framework core migrations
- Entity framework core seed data
- Keeping domain models and database schema in sync in asp.net core
- Handling 404 not found in asp.net core mvc
- Centralised 404 error handling
- Global exception handling in asp.net core mvc
- Logging in ASP.NET Core
- Core Identity including user management

MODULE 3 : WEB API

- What is ASP.NET Web API and difference between WCF
- Creating a Web API Project
- HTTP GET PUT POST DELETE
- Using Postman for Web API
- ASP.NET Web API and SQL Server
- ASP.NET Web API Content Negotiation
- ASP.NET Web API MediaTypeFormatter
- Implementing post method
- Implementing Delete method
- Implementing Put method
- Custom method names
- ASP.NET Web API query string parameters
- FromBody and FromUri
- Calling Web API from Client application
- Call ASP.NET Web API from jQuery
- Consuming Web API service in using jQuery ajax
- ASP.NET Web API enable HTTPS
- Implementing basic authentication
- Call web api service with basic authentication using jquery ajax
- ASP.NET Web API token authentication