# Blazor Application Development Using .NET 6

1. **Introduction to .NET 6 | .NET 5 | ASP.NET  CORE 3.1**
   - Understanding Core form of .NET
   - Whats new with .NET 6
2. **Overview to Blazor**
   - Blazor as SPA -SINGLE PAGE APPLICATION
   - Blazor Architecture with ASP.NET Core | .NET
   - Intro to **Blazor Server**
   - Intro to **Blazor Web Assembly**
   - Lazy loading in blazor
3. **Developing .NET Application with Blazor**
   - Blazor as RAD
   - Installing Blazor using Visual studio 2022
   - Creating your first Blazor Web Application
   - Creating Progress Web Application PWA
4. **Razor Components**
   - Razor Syntax & Directives
   - Pages vs Components
   - Routing
   - Rendering Components
   - Binding
   - Events and Event Call Back
   - Communication between components & child components
   - Passing parameters
5. **Validation**
   - Introduction to Validation
   - EditForm components
   - Input components
   - Validation components
6. **Bootstrap in Blazor Application**
   - Using Bootstrap to provide a Responsive User Interface
   - Layout using Bootstrap
7. **Using Rest services (Web API)  - WebAssembly**
   - Creating Web API services
   - Web API Controller
   - Implementing Controller Actions
   - Configuring and Injecting HttpClient
   - Implementing GET, PUT, POST and Delete
8. **Using Entity Framework EF – BLAZOR SERVER**
   - Introduction to Entity Framework Core
   - Migrations and Database creation
   - DataAnnocations
   - Adding Migrations
   - Creating a Database
   - Creating Web API controller

9. **Securing MVC based App Using Blazor**
    - o Dealing with common security threats in Web Applications
    - o Authentication and Authorization
    - o Configuring Authorization
    - o Securing Pages and Components
10. **gRPC Services in Blazor Application**
    - o Introduction to gRPC
    - o Comparing gRPC and Web Api
    - o Implementing gRPC service in Blazor App
11. **Razor Class Library**
    - o Creating a Razor Class Library
    - o Using Components from a Library
    - o Routing to Pages in a Library