**Course program – ASP.Net**

Part II of the course is designed as a practical extension of the first course „C# Basics“. We will spend a lot of time in a practical workplace, and the spent time dedicates to ASP.NET. The course is divided into three phases, the first is planned to be a little shorter and the other two last about a month.

| **Phase I - work in time, work with original control** | |
|---|---|
| Git | Branching and Merging, Using in organization |
| TFS | Work with TFS, Differences from Git |
| Team organization | Agile Methodology, Sprints, How to Organize Development |
| Project Planning | BPMN and UML Seed, Software Planning |
| Working on a project | Using the knowledge gained so far to develop a real-world application |
| Renovations | If you needed, go through first phase again |
| **Phase II - ASP.NET** | |
| Working on a project | In Phase II, as time, students will gain some independence in the work, and continue to work on the project and in addition, we learn new technologies |
| ASP.NET - Blazor | Introduction to ASP.NET. ASP.NET, server blazer, client. Project structure |
| HTML and CSS | Introduction to HTML and CSS describing how our application will look like |
| SignalR | Communication between server and client via RPC, hubs |
| EF core | Bases in blazer, differences from EF that normally use |
| **Phase III** | |
| Working on a project | Development continues throughout the course |
| Validation | Data validation within ASP.NET. |
| API | Use the API to facilitate programming. Facebook, Google and many more offer us to leverage their technologies, learn how to work |
| Advanced Blazor | MVC, MVVM, models based on Blazor Application |