TRINITY COLLEGE FOR WOMEN NAMAKKAL

Department of Computer Science

ASP.NET

Even Semester

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OVERVIEW OF ASP.NET

➢ **. NET is a free, cross-platform, open source developer platform for building many different types of applications.**

➢ **With . NET, you can use multiple languages, editors, and libraries to build for web, mobile, desktop, games, and IoT.**

ASP.NET OVERVIEW

- ➤ ASP.NET is a free web framework for building great websites and web applications using HTML, CSS, and JavaScript.

- ➤ You can also create Web APIs and use real-time technologies like Web Sockets.

WEB SITES AND WEB APPLICATIONS

➢ Web Forms, ASP.NET MVC, and ASP.NET Web Pages.

➢ All three frameworks are stable and mature, and you can create great web applications with any of them.

➢ No matter what framework you choose, you will get all the benefits and features of ASP.NET .

WEB FORMS

➢ **With ASP.NET Web Forms, you can build dynamic websites using a familiar drag-and-drop, event-driven model.**

➢ **A design surface and hundreds of controls and components let you rapidly build sophisticated, powerful UI-driven sites with data access.**

MVC

➢ ASP.NET MVC gives you a powerful, patterns-based way to build dynamic websites that enables a clean separation of concerns.

➢ ASP.NET MVC includes many features that enable fast, TDD-friendly development for creating sophisticated applications that use the latest web standards.

WEB API's

➤ ASP.NET Web API is a framework that makes it easy to build HTTP services that reach a broad range of clients, including browsers and mobile devices.

➤ ASP.NET Web API is an ideal platform for building RESTful applications on the .NET Framework.

REAL TIME TECHNOLOGIES

➢ ASP.NET SignalR is a new library for ASP.NET developers that makes developing real-time web functionality easier.

➢ SignalR allows bi-directional communication between server and client.

➢ Servers can push content to connected clients instantly as it becomes available.

THANK YOU

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