

The background features a dark, almost black, central area. This is framed by vibrant green geometric shapes on the left and right sides. These shapes consist of overlapping triangles and polygons in various shades of green, from a bright lime green to a darker forest green. The overall effect is a modern, tech-oriented aesthetic.

# Welcome To

# Web Technology

(Development)

# Introduction to Web Development

- ▶ Web development refers to building web applications and deploying on the web.
- ▶ Web development requires **scripting language** both server side and Client side.
- ▶ Examples of web apps are Facebook, Google etc.

# Web Browsers

- ▶ The software that is necessary to access to special media filled pages on the WWW.
- ▶ Surfing the web is possible only by web browsers.
- ▶ It is used to filter the required information from the web to us.
- ▶ Web browsers are the means of acquiring information from the internet.
- ▶ Examples of web browsers are Microsoft Internet Explorer, Chrome, Netscape, Mozilla, Opera Mini, Safari, Lynx, Edge, Brave etc.

# Web servers

- ▶ The web servers are the computers which have large processor and large storage.
- ▶ The web servers are computer which serves the client computers.
- ▶ The huge information on the internet we see are kept on server computer.
- ▶ In general language, web servers are the main computer of the internet in WWW where all the data is stored securely.

# Terminologies Related to Web

- ▶ What is Website?
- ▶ What are Web pages?
- ▶ What is an Hyperlinks?
- ▶ What is IP address?
- ▶ Protocol
- ▶ Search Engine

# Client Side Languages aka frontend

- ▶ HTML
- ▶ CSS (Cascading Style Sheets)
- ▶ JavaScript
- ▶ Dynamic HTML
- ▶ Ajax
- ▶ jQuery

These are not actually programming languages, these are the scripting language which determines the layout and design of web only.

# Server Side Languages aka backend

- ▶ ASP.NET (C#)
- ▶ Python (Django)
- ▶ PHP (Laravel)
- ▶ Node.js
- ▶ Ruby (Rails)
- ▶ Dart (Flutter)

These are programming languages which handles the backend part of web and they have their own frameworks for development. These languages makes site dynamic.

# Assignments

- ▶ What is HTML?
- ▶ What is domain name?
- ▶ What is text Editor?