Lab 1	**Exploring Computer Hardware Components** • Basic Computer Assembly and Disassembly
Lab 2	**OS Installation (Windows)** • Introduction to Windows • Windows Basic Configuration & Setup • User Accounts • Control Panel • Computer Management • Device Manager • Hostname
Lab 3	**Working with Windows CMD** • CMD Basic Commands: • dir, cd, mkdir, rmdir, copy, move, del, cls, exit etc…
Lab 4	**CMD Navigation:** • Using absolute and relative paths. • Navigating through directories. • Introduction to Batch Scripting • Creating a Batch Script
Lab 5	**Microsoft Word: I** • Text Basics: • Typing and editing text. • Font formatting (font style, size, color). • Paragraph formatting (alignment, line spacing, indentation). • Using the Clipboard (copy, cut, paste). • Document Formatting: • Page setup (margins, orientation, size). • Adding page numbers and headers/footers. • Creating and applying styles (e.g., Heading styles).
Lab 6	**Microsoft Word: II** • Working with Lists and Bullets • Inserting Objects • Creating and formatting tables. • Adding and editing table content. • Creating and formatting tables. • Adding and editing table content.
Lab 7	**MS Powerpoint: I** • Introduction to Microsoft PowerPoint • Creating Slides • Inserting Content • Text Formatting • Slide Transitions • Working with Objects • Grouping and ungrouping objects. • Arranging objects (bring forward, send backward). • Aligning and distributing objects. • Multimedia and Animation • Embedding videos and audio. • Adding animation to objects and text. • Custom animation effects.
Lab 8-9-10	**MS Excel Fundamentals**

	• Entering & Editing Text Formulas • Working with Baisc Excel Functions • Modifying Excel Sheets • Formating Data in an Excel Sheet • Printing and Excel Sheet • Excel Data Validation • Importing and Exporting Data in Excel • Excel Conditional Functions
Lab 11-12-13	**Computer Network Basics** • Network Devices & Their Functions • Network Switches & Network Routers • Wireless Access Points • IP Addressing • Format of IP Address • Network ID & Host ID • Classes of IP Address • IP Address Assignment in Windows • Ping Tool • Building a small Network (LAN & WLAN)
Lab 14-15-16	**File & Folder Sharing on Network** • Network Drives • Printer Installation and Printer Sharing • Remote Desktop Connection
Lab 17-18	**Introduction to the course** • Web development basics • Setting up a development environment • HTML Fundamentals • Creating the first web page • HTML structure • Headings, Paragraphs, Basic text formatting
Lab 19	**HTML Lists and Links** • Creating ordered and unordered lists • Creating hyperlinks.
Lab 20	**HTML Forms** • Creating forms • Input types (text, radio, checkbox) • Form attributes.
Lab 21-22	**CSS Fundamentals** • Introduction to CSS • Inline, Internal, and External CSS • Styling text and fonts. • CSS Box Model • Margin**,** Padding, Border, and understanding the box model
Lab 23-24	**CSS Layout** • Introduction to layout techniques, including the display property and CSS grids. • CSS Positioning - Positioning elements using relative, absolute, fixed, and static positioning.
Lab 25	**Putting HTML & CSS All togather** • Designing a 3 Column Layout
Lab 26-27	**JavaScript Basics** • Introduction to JavaScript • Fundamentals of JavaScript, variables, data types, and basic operators

	• JavaScript Functions and Control Structures - Writing functions, conditional statements, and loops. • Document Object Model (DOM) - Accessing and manipulating HTML elements using JavaScript.
Lab 28-29	**DOM Events - Handling user interactions and events in JavaScript.** • HTML Form Validation using Javascript
Lab 30-31	**Web Development Project** • Students work on a small web project combining HTML, CSS, and JavaScript • Project Presentation and Review

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