

Web programming Laboratory outline

Week 1	Lab environment set up (installing text editor software, web browser, server software) Introduction to HTML Basic HTML tags and their attribute HTML, HEAD, TITLE, BODY HTML comment Meta tag Creating link Text formatting tags Headings, Paragraphs Font
Week 2	Image in HTML Inserting Image Using Image as a link
Week 3	HTML Table Table row, Table header and Table data Attributes of table Attributes of table row and cell Using header, body and footer in HTML table HTML Lists Unordered list Ordered List
Week 4	Frames in HTML Frameset , Nested frame ,Internal frame HTML form Form attributes Input elements Inserting multimedia in HTML Inserting video Inserting audio
Week 5	CSS Linking CSS with HTML (embedded, inline and external CSS) Styling background, text, font, Styling Link, Table CSS class and ID
Week 6	CSS box model (margin, padding and boarder) CSS display, visibility, position and z-index
Week 7	JavaScript syntax Linking JavaScript with HTML (embedded, inline, external) The first code in JavaScript "Hello, World" JavaScript comments Basic Input output in JavaScript JavaScript variables Arithmetic and assignment operators in JavaScript Comparison and logical operators in JavaScript Data type conversion in JavaScript

Week 8	Conditional Statements If, if..else,if...elseif..else ad switch statement Looping statements For, while and do..while Break and continue statements
Week 9	Array in JavaScript Manipulating elements of an array Function in JavaScript
Week 10	JavaScript DOM Accessing Document elements CSS in JavaScript Event Handling JavaScript BOM (Window, Location, History, Cookies) Form processing and validation in JavaScript
Week11	PHP Syntax Output statements Comments
Week12	Array Function Form Processing File uploading
Week13	Session and Cookie Database programming
Week14	File management in PHP Date and Time Math functions
Week15	Ajax programming
Week16	Introduction to Web development frameworks Bootstrap, node.js, angular.js