

Fundamentals of Web Design

Add on Course for IV Semester
B.E. Electrical & Electronics Engineering

Duration: 30 Hours

Syllabus

Module 1: Introduction to WEB

Basics of WWW, HTTP protocol, Client Server architecture, Introduction to web server installation and configuration

Module 2: Basics of HTML and CSS

Structure of HTML page, HTML tags for data formatting, tables, links, images, meta tags, frames, html form tags, media, APIs, HTML5 tags and validation. Need for CSS, Syntax and structure, CSS rules for Backgrounds, Colors and properties, Manipulating texts, Fonts, borders and boxes, Margins, Padding Lists, CSS Positioning, Animations, Tool-Tips, Style images, Variables, Media Queries, Wildcard Selectors (*, ^ and \$) in CSS, Pseudo Class, Pseudo elements, basic of frameworks like Bootstrap

Module 3: Client Side Scripting using JavaScript

Syntax of JavaScript, Execution of JavaScript, Internal, Embedded and External Javascript, JavaScript : variables, arrays, functions, conditions, loops, Pop up boxes, JavaScript objects and DOM, JavaScript inbuilt functions, JavaScript validations and Regular expressions, Event handling with JavaScript, Callbacks in Javascript, Function as arguments in JavaScript, Introduction to JSON

Reference:

1. "Programming the World Wide Web" by Robert W Sebesta, 4th edition
2. <https://www.w3schools.com/>


Instructor Signature


HOD's Signature
Professor & HOD
Department of Information Science & Engg
Adichunchanagiri Institute of Technology
Chikmagalur - 577 102