

**SES's L. S. RAHEJA COLLEGE OF ARTS AND COMMERCE
(AUTONOMOUS)**



**Syllabus of Web Designing with HTML under NEP 2020 vertical - SEC
with effect from 2024-25**

Department of Information Technology and Data Science

HoD/Sr. Person of the Department: Prajakta Joshi

Date of approval by the BoS: 27/04/2024

Approved by the Academic Council: 29/04/2024

Ratified by the Governing Body on: 06/05/2024



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|---|------------------|------------------|-----------------------------|---|--|
| Programme: B.Sc.(IT) | | | Semester : I | | |
| Course : Web Designing with HTML | | | Code: UGBSCITISEC124 | | |
| Academic Year: 2024-2025 | | | Batch: 2024-2027 | | |
| Teaching Scheme | | | Evaluation Scheme | | |
| Lectures | Practical | Tutorials | Credits | Internal Continuous Assessment (ICA) (weightage) | Term End Examinations (TEE) (weightage) |
| 30 | Nil | Nil | 2 | 20 | 30 |

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|------------------------------|---|
| Learning Objectives : | <ol style="list-style-type: none"> 1. Understand basic concepts of Internet and World Wide Web. 2. Comprehend different HTML elements that can be used to develop static web pages. 3. Become familiar with concept of stylesheets and various CSS effects. |
| Learning Outcomes : | <ol style="list-style-type: none"> 1. Analyze working of Internet. 2. Gain an insight into designing web pages. 3. Use different ways of styling web pages using CSS. |
| Pedagogy: | Experiential learning, problem-based learning, peer learning, designing and implementation |

Detailed Syllabus: (per session plan)

Session Outline For: Web Designing with HTML

Each lecture session would be of one hour duration (30 sessions).

| Module | Module Content | Module Wise Pedagogy Used | Module Wise Duration |
|--------|---|--|----------------------|
| I | <p>Internet and the World Wide Web: What is Internet? Applications of Internet, E-mail, Telnet, FTP, E-commerce and E-business. Internet Service Providers, Domain Name Server, Internet Address, World Wide Web (WWW): World Wide Web and its Evolution, Uniform Resource Locator(URL), Browsers, Common Features of Browsers, Search Engine, Web Server, HTTP Protocol.</p> <p>HTML5: Introduction, Formatting Text by using Tags, Using Lists, Creating Hyperlinks and Bookmarks, Defining Metadata about an HTML Document, Redirecting to another URL.</p> <p>CSS: Implementing Styles using CSS – Stylesheets, Formatting Text and Links using CSS, CSS Selectors, Changing Background, Adding Border, Margin and Padding, Setting</p> | Experiential learning, problem-based learning, peer learning | 15 |

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| | Dimensions, Using Inline Container to mark up a part of a text. Case study: Create websites based on learned concepts. | | |
| II | <p>HTML Page Layout: Using Layout Elements, Semantic Elements, Creating, Positioning and Formatting Divisions, Floating Divisions next to each other, Responsive Web Design, Inline Frames.</p> <p>HTML Media, Tables and Forms: Embedding Images, Creating Client-side and Server-side Image Map, adding Favicon, Embedding audio and video on web page. Creating Simple Table, Table Dimension, Merging Table Cells, Formatting Tables: Applying Borders, Background and Foreground fills, Changing Cell Padding, Spacing and Alignment Collecting user input with HTML Forms, Additional Input, Types in HTML5, spellcheck for form input Case study: Create websites based on learned concepts.</p> | Experiential learning, problem-based learning, peer learning, designing and implementation | 15 |

REFERENCE BOOKS

1. Cook, C., & Schultz, D. Beginning HTML with CSS and XHTML: Modern Guide and Reference. Apress.
2. Robbins, J. N. (2012). Learning web design: A beginner's guide to HTML, CSS, JavaScript, and web graphics. O'Reilly Media, Inc.
3. Wempfen, F. (2011). HTML5 step by step. Pearson Education.