



IIT Bhubaneswar

The Annual Techno Management Fest

WISSENAIRE

# Web Development

Understand  
HTML  
Fundamentals

Understand  
CSS  
Fundamentals

Structure  
Documents  
Using HTML

- **Construct markup that uses metadata elements.**
  - Script; no script; style; link; meta tags, including encoding, keywords, viewport and translate
- **Construct well-formed markup that confirms to industry best practices.**
  - DOCTYPE declaration; HTML; head; body; proper syntax, including closing tags and commonly used symbols; comments
- **Analyze the impact of using inline styles, internal style sheets, and external style sheets.**
  - When to use each; precedence when using a combination of inline styles and style sheets
- **Construct and analyze rule sets.**
  - Valid Syntax for the CSS rule set; selectors, including class, id, elements and pseudo-class
- **Construct well-formed style sheets that conform to industry best practices.**
  - Reusing rules and rule sets, commenting, testing on multiple browsers, web safe fonts
- **Construct and analyze markup to structure content and organize data.**
  - Table tags; h1-h6; p; br; hr; div; span; ul; ol; li
- **Construct and analyze markup that uses HTML5 semantic elements.**
  - Semantic tags; header; nav; section; article; aside; footer; details; summary; figure; caption
- **Construct and analyze markup that implement navigation.**
  - Image links; a; target; bookmark; relative vs absolute links; navigation simple folder hierarchies
- **Construct and analyze markup that uses form elements.**
  - Form attributes action; method; submission methods; accessibility; input types and restrictions; select; textarea; button; button; output; option; datalist; fieldset



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## Presents Multimedia Using HTML

- **Construct and analyze markup that displays images.**
  - Img and picture elements and their attributes
- **Describe the appropriate use of the img, svg and canvas elements.**
- **Construct and analyze markup that plays video and audio.**
  - Video; audio; track; source; simple; iframe implementations

## Style Web Pages Using CSS

- **Construct and analyze styles that position content.**
  - Positioning, including float, relative, absolute, max-width, overflow, height, width, and align; inline vs block; visibility; box model, including margins and padding
- **Construct and analyze styles that format text.**
  - Font-family; color; font-style; font-size; font-weight; link colors; text formatting, including text alignments, text decoration and indentation
- **Construct and analyze styles that format background and borders.**
  - Border-color; border-style; border-width; backgrounds; divs; colors
- **Analyze styles that implement a simple responsive layout**
  - Units of measure; responsive effects with CSS, including viewport and media query; percentages vs pixels; frameworks and templates; max-width



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Making web  
page live using  
**JAVA SCRIPT**

- **Introduction to java script.**
- **Working on java script frameworks.**

**Back-end**

- **Introduction to NODE-JS.**
- **Advanced concepts related to NODE-JS.**