

Lovely Professional University, Punjab

| Course Code | Course Title | Course Planner |
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| CSE326 | INTERNET PROGRAMMING LABORATORY | 17862::Dr. Aditya Khamparia |

Course Outcomes :Through this course students should be able to

CO1 :: understand the principles of creating an effective web page, including an in-depth consideration of information architecture.

CO2 :: develop a web page using HTML and CSS.

CO3 :: develop responsive web pages with the help of CSS and Javascript.

CO4 :: demonstrate the JavaScript functions and events.

CO5 :: construct websites using text, images, links, lists, and tables for navigation and layout.

| | TextBooks (T) | | |
|-------|--------------------------------------------------------------------------------------------|-----------------|------------------|
| Sr No | Title | Author | Publisher Name |
| T-1 | HTML 5 COVERS CSS3, JAVASCRIPT,XML,XHTML,AJAX | KOGENT LEARNING | DREAMTECH PRESS |
| | Reference Books (R) | | |
| Sr No | Title | Author | Publisher Name |
| R-1 | WEB ENABLED COMMERCIAL APPLICATION DEVELOPMENT USING HTML, DHTML,JAVASCRIPT, DHTML AND PHP | IVAN BAYROSS | BPB PUBLICATIONS |
| R-2 | BEGINNING HTML, XHTML, CSS AND JAVASCRIPT | JON DICKETT | WILEY |

| Relevant Websites (RW) | | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------|
| Sr No | (Web address) (only if relevant to the course) | Salient Features |
| RW-1 | https://www.w3schools.com/js/js_events_examples.asp | Javascript Events |
| RW-2 | https://www.w3schools.com/js/js_events.asp | Javascript Events |
| RW-3 | https://www.w3schools.com/js/js_functions.asp | Javascript Functions |
| RW-4 | https://www.w3schools.com/js/js_objects.asp | Javascript Objects |

An instruction plan is only a tentative plan. The teacher may make some changes in his/her teaching plan. The students are advised to use syllabus for preparation of all examinations. The students are expected to keep themselves updated on the contemporary issues related to the course. Upto 20% of the questions in any examination/Academic tasks can be asked from such issues even if not explicitly mentioned in the instruction plan.

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| RW-5 | https://www.w3schools.com/js/js_htmlDOM.asp | Javascript DOM |
| RW-6 | https://www.javatpoint.com/understanding-html-dom-events | Javascript DOM |
| RW-7 | https://www.javatpoint.com/javascript-form-validation | JAVASCRIPT Form Validation |
| RW-8 | https://www.javatpoint.com/javascript-operators | JAVASCRIPT Operators |
| RW-9 | https://www.javatpoint.com/javascript-example | Incorporating JavaScript in HTML code |
| RW-10 | https://www.w3schools.com/css/css_grid.asp | CSS Grids |
| RW-11 | https://www.javatpoint.com/html-table | Working with HTML Tables |
| RW-12 | https://www.w3schools.com/css/css_howto.asp | Inline CSS, internal CSS and external CSS |
| RW-13 | http://www.w3schools.com/css/css_boxmodel.asp | CSS Box Model |
| RW-14 | http://www.w3schools.com/html/html5_audio.asp | AUDIO Element |
| RW-15 | http://www.w3schools.com/html/html_forms.asp | HTML Form Attributes |
| RW-16 | http://www.w3schools.com/html/html_images.asp | Working with Images |
| RW-17 | http://www.w3schools.com/html/html_intro.asp | HTML Page Structure |
| RW-18 | http://www.w3schools.com/html/html_links.asp | HTML Links |
| RW-19 | http://docstore.mik.ua/orelly/web2/xhtml/ch04_01.htm | Text Basics |
| RW-20 | http://www.htmlportal.net/html-tutorial/font-styles.htm | Physical and Logical style elements |
| RW-21 | http://msdn.microsoft.com/library/aa218647.aspx | Introduction to Web Technologies |

Detailed Plan For Practicals

| Practical No | Broad topic | Subtopic | Other Readings | Learning Outcomes |
|--------------|------------------|---------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------|
| Practical 1 | Exposure To HTML | HTML document structure | | To understand the implementation of basic elements used for programming simple HTML document. |
| | Exposure To HTML | Working with HTML basic elements like title, head, body | | To understand the implementation of basic elements used for programming simple HTML document. |
| | Exposure To HTML | Working with Root and Metadata | | To understand the implementation of basic elements used for programming simple HTML document. |

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| Practical 1 | Exposure To HTML | Script and NonScript | | To understand the implementation of basic elements used for programming simple HTML document. |
| | Exposure To HTML | Horizontal Rules and line breaks and paragraph, working with citation, quotation, definitions and comments | | To understand the implementation of basic elements used for programming simple HTML document. |
| | Exposure To HTML | Types of Tags in HTML | | To understand the implementation of basic elements used for programming simple HTML document. |
| Practical 2 | Working with Text, Links, Images , URLS, Multimedia and Interactive in HTML | Formatting text with HTML physical style elements, Formatting text with HTML logical style elements | | Students will learn how to make hyperlink and how to link web pages using Anchor tag and will learn to apply Multimedia Tags within HTML Pages and to play audio and video on page loading. |
| | Working with Text, Links, Images , URLS, Multimedia and Interactive in HTML | Creating links with anchor tag | | Students will learn how to make hyperlink and how to link web pages using Anchor tag and will learn to apply Multimedia Tags within HTML Pages and to play audio and video on page loading. |
| | Working with Text, Links, Images , URLS, Multimedia and Interactive in HTML | Multimedia- audio,video tags and attributes like controls, autoplay and loop | | Students will learn how to make hyperlink and how to link web pages using Anchor tag and will learn to apply Multimedia Tags within HTML Pages and to play audio and video on page loading. |
| | Working with Text, Links, Images , URLS, Multimedia and Interactive in HTML | Working with images in a web page | | Students will learn how to make hyperlink and how to link web pages using Anchor tag and will learn to apply Multimedia Tags within HTML Pages and to play audio and video on page loading. |
| Practical 3 | Cascading Style Sheets | Introduction To CSS, Inline CSS, internal CSS and external CSS | | Understanding CSS and use of selectors in CSS on Web Page. |
| | Cascading Style Sheets | CSS selectors-type, id and class | | Understanding CSS and use of selectors in CSS on Web Page. |
| | Cascading Style Sheets | CSS properties-text controlling and text formatting | | Understanding CSS and use of selectors in CSS on Web Page. |
| Practical 4 | Cascading Style Sheets | CSS Box Model- Padding, Margin, Border | | Students will learn how to create divisions in HTML Pages, use of Background Images with HTML Pages and styling of webpage. |
| | Cascading Style Sheets | Div and Span Tag in CSS, Working with background Images | | Students will learn how to create divisions in HTML Pages, use of Background Images with HTML Pages and styling of webpage. |
| Practical 5 | Working with Tables | Working With Tables-Colspan and Rowspan | | Students will learn to design tables with different layouts & styles and apply Colspan and Rowspan attributes. Allocation of Code based Test |
| | Working with Tables | applying css on tables | | Students will learn to design tables with different layouts & styles and apply Colspan and Rowspan attributes. Allocation of Code based Test |

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| Practical 5 | Working with Tables | creating hoverable tables | | Students will learn to design tables with different layouts & styles and apply Colspan and Rowspan attributes. Allocation of Code based Test |
| Practical 6 | Test - Code based | | | |
| Practical 7 | Working with Forms | Working with Forms- action attribute, get and post methods | | Students will learn to use design HTML Forms and submit Forms using get and post methods and will learn to use various Form Elements like Text Box, Drop Down Box, Radio Button and Checheck Box. |
| | Working with Forms | Form Elements and Controls Like Text Inputs, TextArea, Buttons, CheckBoxes, Dropdown Boxes, Radio Buttons, Select and File Select | | Students will learn to use design HTML Forms and submit Forms using get and post methods and will learn to use various Form Elements like Text Box, Drop Down Box, Radio Button and Checheck Box. |
| | Working with Forms | applying css on all controls of forms | | Students will learn to use design HTML Forms and submit Forms using get and post methods and will learn to use various Form Elements like Text Box, Drop Down Box, Radio Button and Checheck Box. |
| Practical 8 | CSS Grids and Webpage Layouts | Grid introduction | | To learn designing different layouts of webpage. |
| | CSS Grids and Webpage Layouts | Grid container | | To learn designing different layouts of webpage. |
| | CSS Grids and Webpage Layouts | Grid Item | | To learn designing different layouts of webpage. |
| | CSS Grids and Webpage Layouts | Creating different layouts for webpage | | To learn designing different layouts of webpage. |
| Practical 9 | JavaScript Application Development | Incorporating JavaScript in the HEAD and BODY element, Using an External JavaScript file, Using variables and operators | | Students will learn to implement control statements and will also learn the use of various dialog boxes in JavaScript. |
| | JavaScript Application Development | Using control statements such as if...else, switch, break and continue, Using looping statements such as while, do...while, for, Using Popup boxes such as Alert, Confirm, and Prompt | | Students will learn to implement control statements and will also learn the use of various dialog boxes in JavaScript. |

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| Practical 9 | JavaScript Application Development | Working with JavaScript Objects, Properties and Methods | | Students will learn to implement control statements and will also learn the use of various dialog boxes in JavaScript. |
| Practical 10 | JavaScript Functions, Events and Validation | JavaScript Form Validation | | Students will learn how to make use of functions in JavaScript and apply form validation. |
| | JavaScript Functions, Events and Validation | Working with Functions-Using function arguments and return statement | | Students will learn how to make use of functions in JavaScript and apply form validation. |
| Practical 11 | BYOD-Practical | | | |
| Practical 12 | Project - Website Design | | | |
| Practical 13 | JavaScript Functions, Events and Validation | Working with JavaScript Events like Form Based, Keyboard Based and Mouse Based | | Students will learn how to make use of various events based on form, Keyboard and mouse In JavaScript. |
| Practical 14 | Javascript DOM | DOM introduction | | To learn changing HTML elements and CSS properties using Javascript |
| | Javascript DOM | DOM methods | | To learn changing HTML elements and CSS properties using Javascript |
| | Javascript DOM | DOM document | | To learn changing HTML elements and CSS properties using Javascript |
| | Javascript DOM | DOM elements | | To learn changing HTML elements and CSS properties using Javascript |
| | Javascript DOM | DOM HTML, DOM CSS | | To learn changing HTML elements and CSS properties using Javascript |
| | Javascript DOM | DOM Events | | To learn changing HTML elements and CSS properties using Javascript |
| | SPILL OVER | | | |
| Practical 15 | Spill Over | | | |