WEB DEVELOPMENT LAB – 2022-23 SYLLABUS

S.No	Title		
1	**Chapter One: HTML**		
	https://bit.ly/PVP20-WT-HTML		
	1.1	Introduction WWW,URL,HTTP,HTTPS,FTP,MIME	
	1.2	Basic Web Technologies	
	1.3	Why HTML	
	1.4	What is HTML	
	1.5	HTML Page Structure	
	1.6	HTML Elements Categories	
		1.6.1	Conatainer Elements
		1.6.2	Empty Elements
		1.6.3	HTML Block and Inline Elements
	1.7	HTML Element Attributes,Comments	
	1.8	Meta tag In HTML	
	1.9	Sectioning Elements	
		1.9.1	Semantic and Non-semantic Elements
		1.9.2	Header,footer,main,nav,section,article,aside,address
	1.10	Grouping Elements in HTML	
		1.10.1	Paragraph Element
		1.10.2	Division Element (Div ,Span)
		1.10.3	List Element (1. Unordered List 2. Ordered List 3. Description List)
		1.10.4	Quotation and Citation Element (blockquote,q,abbr,address,cite, and bdo)
	1.11	Link Element (<a>.....)	
	1.12	**HTML Formatting Elements or Text-level semantic elements**	
		1. <b> - Bold text	
		2. <strong> - Important text	
		3. <i> - Italic text	
		4. <em> - Emphasized text	
		5. <mark> - Marked text	
		6. <small> - Smaller text	
		7. <del> - Deleted text	
		8. <ins> - Inserted text	
		9. <sub> - Subscript text	
		10. <sup> - Superscript text	
	1.13	**HTML Entities or character entities**	

Character	Description	Entity Name	Entity Number
	Non-breaking space		
<	Less than	<	<
>	Greater than	>	>
&	Ampersand	&	&
©	Copyright	©	©
€	Euro	€	€
£	Pound	£	£
®	Registered trademark	®	®

1.14	**HTML Global Attributes** accesskey,class,contenteditable,data*,dir,draggable,hidden,id,lang,spellcheck,style, tabindex,title,translate	
1.15	**HTML Table Element**	

			HTML Forms	
			1.16.1	**HTML Form Attributes**
				Accept-charset,action,autocomplete,enctype,method,name,novalidate,rel,target
			1.16.2	**Form Elements:**
				\<input\> \<label\> \<select\> \<textarea\> \<button\> \<fieldset\> \<legend\> \<datalist\> \<output\> \<option\> \<optgroup\>
	1.16		**1.16.3**	**HTML Input Type and value attribute**
				\<input type="button"\>
				\<input type="checkbox"\>
				\<input type="color"\>
				\<input type="date"\>
				\<input type="datetime-local"\>
				\<input type="email"\>
				\<input type="file"\>
				\<input type="hidden"\>
				\<input type="image"\>
				\<input type="month"\>
				\<input type="number"\>
				\<input type="password"\>
				\<input type="radio"\>
				\<input type="range"\>
				\<input type="reset"\>
				\<input type="search"\>
				\<input type="submit"\>
				\<input type="tel"\>
				\<input type="text"\>
				\<input type="time"\>
				\<input type="url"\>
				\<input type="week"\>
	1.17		**Embedded elements**	
			17.1	Image Element
			17.2	Audio Element
			17.3	Video Element
			17.4	iFrame Element
2	**Chapter Two: CSS**			
	https://bit.ly/PVP20-WT-CSS			
	2.1		**Introduction to CSS**	
			2.1.1	Why CSS ?
			2.1.2	What is CSS
			2.1.3	How to Write CSS Style Rules
			2.1.4	Use of Developer Tools
	2.2		**Selectors**	
			2.2.1	Why Selectors
			2.2.2	What are Selectors
			2.2.3	Additional CSS Selectors
			2.2.4	Element and contextual Selectors
			2.2.5	Class Selectors
			2.2.6	Attribute Selectors
			2.2.7	Pseudo classes

WEB DEVELOPMENT LAB – 2022-23 SYLLABUS

WEB DEVELOPMENT LAB – 2022-23 SYLLABUS

3	Chapter Three: Bootstrap5		
	https://bit.ly/PVP20-WT-BOOTSTRAP		
3.1	**Bootstrap – Introduction**		
		3.1.1	Bootstrap – Why do we need it?
		3.1.2	Bootstrap 4 vs Bootstrap 5
		3.1.3	Getting Started with Bootstrap
		3.1.4	What are Bootstrap Reboot, Utilities
3.2	**Page Layout**		
		3.2.1	Intro to Page Layout Classes
		3.2.2	Grid System
		3.2.3	Containers
		3.2.4	Rows and Columns
		3.2.5	Responsive Columns
		3.2.6	Offset and Gutter
3.3	**Content Styling**		
		3.3.1	Content Components - Introduction
		3.3.2	Classes for Text Size
		3.3.3	Classes for Text Alignment
		3.3.4	Text Emphasis Classes
		3.3.5	Blockquote Classes
		3.3.6	List Styling
		3.3.7	Buttons in Bootstrap
		3.3.8	Spinners in Buttons
		3.3.9	Data Collapse
		3.3.10	Badges in Bootstrap
		3.3.11	Bootstrap Icons
		3.3.12	Accordion
		3.3.13	Alert
		3.3.14	Modals
		3.3.15	Tabs
		3.3.16	Responsive Images
3.4	**Content Structuring**		
		3.4.1	Table - Basic Styling
		3.4.2	Hoverable, Bordered Tables
		3.4.3	Cards – Introduction
		3.4.4	Cards – Structure
		3.4.5	Cards – Images
3.5	Navigation		
		3.5.1	Introduction to Navbar
		3.5.2	Navbar - Getting Started
		3.5.3	Navbar Customization
		3.5.4	Navbar Elements
		3.5.5	Responsive Navbar
3.6	**Form**		
		3.6.1	Forms w/o bootstrap
		3.6.2	Basic Form
		3.6.3	Form elements with Form-control - Tryout
		3.6.4	Form elements with form-group - Tryout
		3.6.5	Input groups in form
		3.6.6	Form Layouts
		3.6.7	Forms in Navbar

WEB DEVELOPMENT LAB – 2022-23 SYLLABUS

WEB DEVELOPMENT LAB – 2022-23 SYLLABUS