Name if the faculty :   Dr SUMIT CHAUHAN
Discipline :   Computer Science Engineering
Semester :   4th Semester
Subject :   Web Technologies
Duration :   15 weeks (January- April 2020)
Work Load (Lecture/ Practical) per week (in hours): Lecture-02, Practical-02

Unit	Topic	Reference	No. of Hours
I	**Introduction:** Concept of Internet- History of Internet, Protocols of Internet, World Wide Web	Book 1 – ch 1 Book 2 – ch 1	1
	URL, Web Server, Web Browser, HTML, HTTP, SMTP, POP3, MIME, IMAP	Book 1 – ch 2 Book 2 – ch 2	1
	Web site design principles, planning the site and navigation	Book 1 – ch 2 Book 2 – ch 3	1
2	**HTML and CSS:** History of HTML, Structure of HTML Document: Text Basics,	Book 1 – ch 2 Book 2 – ch 4	2
	Document: Images and Multimedia, Links and webs, Document Layout,	Book 1 – ch 2 Book 2 – ch 4	1
	Cascading Style Sheet: 4 Need for CSS, introduction to CSS,	Book 2 – ch 4	1
	basic syntax and structure, using CSS, background images, colors and properties, manipulating texts	Book 2 – ch 4	2
	using fonts, borders and boxes, margins, padding lists, positioning using CSS,	Book 2 – ch 4	1
3	**XML:** Introduction of XML- Some current applications of XML, Features of XML, Anatomy of XML document, The XML Declaration	Book 1 – ch 3 Book 2 – ch 5	1
	Element Tags- Nesting and structure, XML text and text formatting element, Table element, Mark-up Element and Attributes	Book 1 – ch 3 Book 2 – ch 5	2
	Document Type Definition (DTD), types.	Book 1 – ch 3 Book 2 – ch 5	2
	XML Objects, Checking Validity,	Book 1 – ch 3 Book 2 – ch 5	2
	Understanding XLinks, XPointer,	Book 1 – ch 3 Book 2 – ch 5	2

	Event-driven Programming,	Book 1 – ch 4 Book 2 – ch 6	1
	XML Scripting.	Book 1 – ch 4 Book 2 – ch 6	1
4	**PHP:** PHP Introduction, Structure of PHP	Book 1 – ch 5 Book 2 – ch 8	1
	PHP Functions, AJAX with PHP	Book 1 – ch 5 Book 2 – ch 8	1
	PHP Code and the Complete AJAX Example	Book 1 – ch 5 Book 2 – ch 8	1
	AJAX Database, Working of AJAX with PHP,	Book 1 – ch 5 Book 2 – ch 8	2
	Ajax PHP Database Form	Book 1 – ch 5 Book 2 – ch 8	2
	AJAX PHP MySQL Select Query	Book 1 – ch 5 Book 2 – ch 1	2

Suggested books:

1. Steven Holzner,"HTML Black Book", Dremtech press.

2. Web Technologies, Black Book, Dreamtech Press

3. Web Applications : Concepts and Real World Design, Knuckles, Wiley-India

4. Internet and World Wide Web How to program, P.J. Deitel& H.M. Deitel Pearson.

Suggested reference books:

1. Paul Deitel , Harvey Deitel, Abbey Deitel ,"Internet and world wide web – How to Program", Prentice Hall