



Sub Committee for Curriculum Development

Course Name: Web Technologies

(UG/PG): UG

Number of Credits: 4

Level: 2

Learning Objective(s):

This is an introductory course focused on basics of web technologies such as HTML, CSS, and JavaScript. This course prepares the student for the courses on advanced internet/web technologies in the sub-sequent semesters.

Pedagogy:

- Classroom Sessions
- Hands-on Lab Sessions

Pre-requisites: None

Course Outline :

Sr. No.	Topics	Hrs
1	Introduction to HTML W3C, standard proposed by W3C. Symantec Web and relation to html 5. New elements, Structural elements, Contents: Block, Text, Form Elements, Links - to a page, Within page, to a site, Links and images: Image mapping, Layouts - List (OL, UL, DL), Tables, Frames (Nested frame), Head Elements, Base font, Meta tags, , Video, HTML Canvas Reference, HTML5 SVG, HTML Audio/Video Methods	20

2	Script, style, CSS – Inline, Embedded, external, CSS Basic, Use of CSS Id & Class, CSS Styling: images, background, text, fonts, styling links, lists, tables, setting margin, border etc.	10
3	Introduction to Java script Client side scripting, Good client scripting practices, JavaScript Programming Basics , Variables and Data Types Using Variables and Literals, Identifiers, Operators	03
4	Control Statements and loop Statements Controlling the Flow: JavaScript Control Statements, conditional statements, Functions, Arrays	04
5	The Window Object : The Window Object , Dialog Boxes, Status Bar Messages , Window Manipulations The Document Object : Writing to Documents, Dynamic Documents History, Navigator, String object The Date Object, The Math Object	05
6	Working with various EVENTS OnClick, on DoubleClick, onmouseover, onmouseout, onsubmit, onchange,onblur,onfocus,onkeypress,onload,onunload	08
7	Working With Form Elements and Their Properties, Using String Object Methods to Correct Data Entry Errors, Working with frames- use of events and functions	05
8	Form Validation Submitting forms, validating forms locally, Various syntaxes for form validation, Responding to data entry errors	05
	Total	60

Book Recommended :

- Web Technologies By Godbole and Kahate
- Complete reference HTML and XHTML, Thomas Powell, published by Osborne/McGraw-Hill
- Mastering JavaScript by BPB Publication
- Web Designing Fundamentals by Daniel Gray

Research Papers/Articles recommended for reading:

Suggested Evaluation Methods:

- On-line quizzes,
- Written exam,

- Practical exam,
- Assignments and Mini Project

Parallel/Similar courses the existing curriculum:

S.No.	Name of the course	Institute where it was offered
1	Foundation Web Technology	SICSR (BCA/BBA-IT)
2	Client Side Web Technology	SICSR (BCA/BBA-IT)

Name of Member	Priti Kulkarni	Gayatri Venugopal			
Designation	Assistant Professor	Research Associate			
Org. / Inst.	SICSR	SICSR			
Signature					

Name of the Expert:

Signature:

Date: