Sub Committee for Curriculum Development

Course Name: Foundation of Web Technology

(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 various scripting languages . It also covers concepts of e-commerce and Web security. 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 Internet Brief history of the Internet, global information infrastructure, working of Internet, ISP, browsers, Search engines	05
2	Introduction to HTML, 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,	25
3	Script, style, CSS – Inline, Embeded, external, CSS Basic, Use of	15

	CSS Id & Class, CSS Styling: images, background, text, fonts, styling links, lists, tables, setting margin, border etc.		
4	Introduction to HTML 5 New elements, Structural elements, Video, New Input elements, HTML Canvas Reference, HTML Audio/Video Methods	9	
5	E-Commerce Need, Benefits, How E-commerce works, Web hosting, Digital certificate, Transactions on Internet, EDI, Issues related to Internet Security	4	
7	Introduction to various Scripting languages	2	
	Total	**60**	

Book Recommended :
- Web Technologies By Godbole and Kahate
- Complete reference HTML and XHTML, Thomas Powell, published by Osborne/McGraw-Hill

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)

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

Name of the Expert:

Signature:
Date: