

GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme		Bachelor of Technology				Branch/Spec.		Computer Engineering / Information Technology	
Semester		I				Version		2.0.0.0	
Effective from Academic Year			2018-19			Effective for the batch Admitted in			July 2018
Subject code		2ES109		Subject Name		Basics of Web Technology			
Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	2	0	1	-	3	Theory	40	60	100
Hours	2	0	2	-	2	Practical	30	20	50
Pre-requisites:									
No prerequisite is required.									
Learning Outcome:									
Upon completion of this course, students will acquire knowledge about: <ul style="list-style-type: none"> • Be able to create simple web pages using HTML and CSS. • Understand basics of internet programming. • To have hands on experience for HTML using CSS, this will help them to create websites. 									
Theory syllabus									
Unit	Content								Hrs
1.	Introduction: Introduction of Internet, Introduction of Static & Dynamic web pages, Web server & web pages, browser, browser plugin best practices for internet.								02
2.	HTML Basic: Introduction of HTML, Elements of HTML, HTML Basic Tags, HTML Formatting, HTML Entities, HTML Links, HTML Images, HTML Frames, HTML Tables, HTML Lists, HTML Forms, HTML Background, HTML Colors, Meta-tags and search engine.								06
3.	Cascaded Style Sheet: CSS Introduction, CSS Syntax, Setting Background Text, Font, Border, Margin, Padding, List, Dimension Classification, Positioning, Pseudo-class, Pseudo-element, CSS Media Types, External, Internal and Inline style sheet.								07
4.	Introduction to HTML5 & CSS3: Introduction to HTML5 and its tags, Introduction to CSS3 and its properties.								07
5.	Introduction to Java script and Bootstrap								04
6.	Introduction to Web Design and Development Tool: Design and Deployment of Website.								04
Practical content									
<ul style="list-style-type: none"> • Experiments would be carried out based on syllabus which includes above topics. ▪ Programming Assignment Manual will be prepared and will be the reference for the questions, assignments, evaluation and the laboratory practices. 									
Text Books									
1.	Learning Web Design by Jennifer Niederst Robbins, 3rd Edition, O'Reilly								
2.	HTML 5 and CSS 3.0 to the Real World by Alexis Goldstein, Sitepoint publication.								
Reference Books									
1.	Teach yourself HTML in 24 hours, By Techmedia								
2.	CSS Cook book By Christopher Schmitt, O'Reilly publication.								
3.	Introduction to web Technology, By Uttam K. Roy								
4.	Introduction to Internet and HTML scripting, By Bhaumik Shroff								
5.	Web Applications : Concepts and Real World Design, Knuckles, Wiley-India								
6.	Internet and World Wide Web How to program, P.J. Deitel & H.M. Deitel Pearson.								
ICT References									
1.	https://www.w3schools.com/html/html_basic.asp								
2.	https://www.tutorialspoint.com/html5/html5_discussion.htm								
3.	http://nptel.ac.in/courses/106105084/13								
4.	https://getbootstrap.com/								
5.	https://www.w3schools.com/html/html5_intro.asp								

6.	https://www.w3schools.com/js/default.asp
7.	https://www.tutorialspoint.com/css/css_discussion.htm