



National Institute of Technology Meghalaya
An Institute of National Importance

CURRICULUM

Programme		Bachelor of Technology in Computer Science and Engineering										Year of Regulation			2019-20	
Department		Computer Science and Engineering										Semester			III	
Course Code	Course Name	Credit Structure				Marks Distribution										
		L	T	P	C	Continuous Evaluation	Quiz/ Viva	Total								
CS 255	Internet Web Technology Lab	0	0	2	1	70	30	100								
Course Objectives	To introduce the basics of Internet and basic concepts of web technology.	Course Outcomes	CO1	Able to explain the basic concepts of Internet and web technology.												
	To give knowledge of web designing principles.		CO2	Able to design web pages with simpler HTML elements and their attributes.												
	To train the students in writing code in HTML, CSS and JavaScript.		CO3	Able to use links, images, multimedia, blocks, tables, frames, forms and HTML controls in web pages.												
			CO4	Able to write CSS code and use inline, internal and external CSS styling.												
			CO5	Able to write JavaScript code and use predefined JavaScript events.												
No.	COs	Mapping with Program Outcomes (POs)												Mapping with PSOs		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	3	0	1	0	1	0	0	0	0	1	1	1	1	0	0
2	CO2	3	3	3	2	2	1	0	0	1	0	0	0	2	1	0
3	CO3	3	3	3	2	2	1	0	0	1	0	0	0	2	1	0
4	CO4	3	3	3	2	2	1	0	0	1	0	0	0	2	1	0
5	CO5	3	3	3	2	2	1	0	0	1	0	0	0	2	1	0
SYLLABUS																
No.	Content													Hours	COs	
1	Working with HTML - basic structure of an HTML document, creating an HTML document, markup tags, headings, paragraphs, line breaks													01	CO1 CO2 CO3 CO4 CO5	
2	Working with HTML - attributes, metadata, working with text, tool tips, working with lists, tables													01		
3	Working with HTML - working with hyperlinks, images and multimedia, web page logo													01		
4	HTML blocks - div tag, HTML IDs, symbols													01		
5	Working with HTML - working with frames													01		
6	Working with HTML - working with forms and controls													01		
7	Introduction to CSS - sample examples for syntax introduction													01		
8	Concept of CSS - CSS styling (background, text format, fonts), CSS colours													01		
9	Concept of CSS - CSS IDs, classes and CSS Styling, working with lists and tables													01		
10	Concept of CSS - Box Model (introduction, border properties, padding properties, margin properties)													01		
11	Introduction to JavaScript - sample examples for syntax introduction													01		
12	JavaScript built-in functions, alert box, confirm box, prompt box													01		
13	Writing JavaScript user-defined functions													01		
14	Designing simple animations using JavaScript, JavaScript image slideshow													01		
Total Hours													14			
Essential Readings																
1. Laura Lemay, Rafe Colburn and Jennifer Kyrnin, "Mastering HTML, CSS & Javascript Web Publishing", BPB Publications, 1 st edition, 2016.																
2. DT Editorial Services, "HTML 5 Black Book", Dreamtech Press, 2 nd edition, 2016.																
3. P. Deitel, H. Deitel, A. Deitel, "Internet and World Wide Web: How to Program", Pearson Education, 5 th edition, 2018.																
4. w3schools Tutorials, http://www.w3schools.com/																
Supplementary Readings																
1. Thomas Powell, "HTML & CSS: The Complete Reference", McGraw Hill Education, 5 th edition, 2017.																
2. Jeffrey C. Jackson, "Web Technologies: A Computer Science Perspective", Pearson Education India, 1 st edition, 2008.																
3. Uttam K. Roy, "Web Technologies", Oxford University Press, 1 st edition, 2010.																