



SWARNANDHRA

COLLEGE OF ENGINEERING & TECHNOLOGY

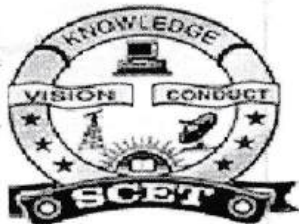
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NAAC with "A" Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Act 1956,
Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada
Seetharampuram, W.G.DT., Narsapur-534280, (Andhra Pradesh)

DEPARTMENT OF INFORMATION TECHNOLOGY

TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date of commencement of Semester
20IT5T02	Web Technologies	V	IT	6	2023-2024	03-07-2023
COURSE OUTCOMES						
1	Distinguish various static web pages and dynamic web pages using html and java script.					
2	Apply the client side validation using Java Script.					
3	Develop a well formed XML document.					
4	Construct the web servers with servlets.					
5	Demonstrate a java server side programming and connection with database.					
UNIT	Out Comes / Bloom's Level	Topics No.	Topics/ Activity	Text Book/ Reference	Contact Hour	Delivery Method
I	CO – 1	1.1	HTML5: Introduction	T2	1	Chalk & Board Power point presentation Assignment Test
		1.2	Basic Formatting Tags	T2	1	
		1.3	Block and inline elements	T2	1	
		1.4	Lists, Image	T2	1	
		1.5	Hyperlink, Table	T2	1	
		1.6	I frame	T2,T1	1	
		1.7	Form Elements	T2,T1	1	
		1.8	Layout Elements and Miscellaneous	T2,T1	1	
		1.9	CSS3: Introduction	T2,T1	1	
		1.10	CSS Syntax, Selectors	T2,T1	1	
		1.11	Add CSS to HTML : External, Internal and Inline	T2,T1	1	
		1.12	CSS Styling : Backgrounds, Text, Fonts,	T2,T1	1	
		1.13	CSS Styling : Links, Lists, Tables, CSS Box Model.	T2,T1	1	
Total					13	
II	CO – 2	2.1	Introducing DHTML	T1	1	Chalk & Board
		2.2	Introducing JavaScript	T1	1	
		2.3	Client Side benefits of using	T1	1	



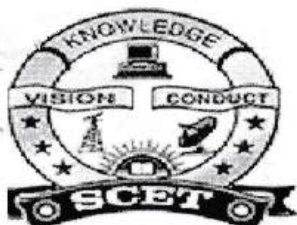
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			JavaScript			Power point presentation
		2.4	Embedding JavaScript in an HTML page	T1	1	
		2.5	Using Variables, Using Operators	T1	1	Assignment
		2.6	Working with Control Flow statements	T1	1	
		2.7	Working with functions	T1	2	Test
		2.8	Handling Events	T1	2	
		2.9	Using Arrays	T1	2	
		2.10	Creating objects in JavaScript	T1	2	
Content beyond syllabus		2.11	PHP	T1	1	
Total					15	
III	CO - 3	3.1	XML EXTENSIBLE MARKUP LANGUAGE: XML- Document type Definition	T1,R1	1	Chalk & Board
		3.2	XML schemas	T1,R1	1	
		3.3	Document object model	T1,R1	1	
		3.4	XSLT, DOM and SAX	T1,R1	1	Power point presentation
		3.5	JDBC: JDBC Architecture	T1,R1	1	
		3.6	JDBC Drivers	T1,T2	1	Assignment
		3.7	Communicating with Database using JDBC APIs	T1,T2	1	
		3.8	Creating a Simple Application	T1,T2	1	Test
		3.9	Describing Basic JDBC Statement	T1,T2	1	
		3.10	Creating tables by using JDBC	T1,T2	1	
		3.11	Working with Prepared Statement	T1,T2	1	
Content beyond syllabus		3.12	XML Encryption	T1,T2	1	
Total					12	
IV	CO - 4	4.1	Web Servers and Servlets: Tomcat web server	T1	1	Chalk & Board
		4.2	Introduction to Servlets: Lifecycle of a Servlet	T1	1	
		4.3	JSDK, The Servlet API	T1	1	
		4.4	Reading Servlet parameters, Reading Initialization parameters	T1	1	Power point presentation
		4.5	Handling HTTP Request & Responses	T1	1	
		4.6	Using Cookies-Session Tracking	T1	1	Assignment
		4.7	Security Issues	T1	1	
		4.8	Introduction to JSP: The Problem	T1	1	



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			with Servlet			
		4.9	The Anatomy of a JSP Page	T1	1	
		4.10	JSP Processing.	T1	1	
		4.11	JSP Application Design with MVC	T1	1	
Content beyond syllabus		4.12	Common Gateway Interface (CGI	T1	1	
Total					12	
V	CO – 5	5.1	JSP Application Development: Generating Dynamic Content	T1,R1	1	Chalk & Board Power point presentation Assignment Test
		5.2	Using Scripting Elements	T1,R1	1	
		5.3	Implicit JSP Objects	T1,R1	1	
		5.4	Conditional Processing – Displaying Values	T1,R1	2	
		5.5	Using an Expression to Set an Attribute	T1,R1	1	
		5.6	Declaring Variables and Methods	T1,R1	1	
		5.7	Error Handling and Debugging	T1,R1	1	
		5.8	Sharing Data Between JSP Pages	T1,R1	1	
		5.9	Requests, and Users	T1,R1	1	
		5.10	Passing Control and Data Between Pages	T1,R1	1	
		5.11	Sharing Session and Application Data Memory Usage Considerations	T1,R1	1	
		5.12	Accessing a Database from a JSP Page	T1,R1	1	
Total					13	
CUMULATIVE PROPOSED PERIODS					65	
Text Books:						
S.No.	AUTHORS, BOOK TITLE, EDITION, PUBLISHER, YEAR OF PUBLICATION					
1	Herbert Schildt: “Java The complete reference”, 11th Edition, Tata McGraw Hill, 2019.					
2	Santhosh Kumar K, JDBC, Servlets, and JSP, New Edition, Dreamtech Press					
3	Wang, Katila, An Introduction to Web Design + Programming, CENGAGE					
Reference Books:						
S.No.	AUTHORS, BOOK TITLE, EDITION, PUBLISHER, YEAR OF PUBLICATION					
1	Uttam K Roy, Web Technologies, Oxford .					
2	Kathy sierra, Head first Java, Orielly					
3	Marty Hall and Larry Brown, Core Servlets and Java Server Pages Volume 1 CORE TECHNOLOGIES, Pearson					
Web Details:						
1	https://www.w3schools.com/html/html_intro.asp					
2	https://www.geeksforgeeks.org/html-introduction					



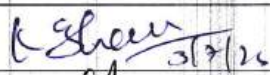
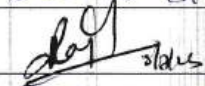
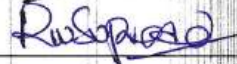
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3	https://www.javatpoint.com/what-is-html
4	https://www.tutorialspoint.com/html/index.htm

	Name	Signature with Date
i. Faculty	Mr. K.Bhanu Chand	 31/7/20
ii. Module Coordinator	Mr. CH R K Raju	 31/7/20
iii. Programme Coordinator	Dr. RVVSV Prasad	 31/7/20


Principal