

Swarnandhra College of Engineering & Technology

Autonomous and recognized under 2(F) and 12(B) by UGC

Recognized by AICTE, permanently affiliated to JNTUK Kakinada

Accredited by NAAC with 'A' Grade (2nd Cycle)

Seetharamapuram, Narsapur – 530280 (Andhra Pradesh)



DEPARTMENT OF INFORMATION TECHNOLOGY

TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date of commencement
201T6J01	FULL STACK DEVELOPMENT	VI	IT	5	2024-25	18-11-2024

COURSE OUTCOMES

1	Identify the Basics concepts of Web Page and Markup Languages
2	Develop web Applications using Scripting languages and Frameworks
3	Creating and Running Applications using PHP
4	Creating First Controller Working with and Displaying in AngularJS and Nested Forms with ng-form
5	Working with the Files in React JS and Constructing Elements with Data

UNIT	Our Comes / Bloom's Level	Topics No.	Topics/ Activity	Text Book/ Ref	Contact Hour	Delivery Method
1	CO -1	1.1	Web Essentials: Clients, Servers, and Communication	T2	2	Chalk & Board Power point presentations Assignment Test
		1.2	The Internet-Basic Internet Protocols	T2	1	
		1.3	The World Wide Web-HTTP request message-response message	T2	2	
		1.4	Web clients Web Servers	T2	1	
		1.5	Introduction to HTML, History, Versions, Basics	T2	1	
		1.6	XHTML Syntax and semantics	T2	1	
		1.7	Some fundamentals of HTML Elements	T2	1	
		1.8	Relative URLs-Lists-Tables	T2	1	
		1.9	Frames-Forms-HTML 5.0	T2	1	
		1.10	Canvas API	T1, T3	1	
Unit-1: HTML						
Content beyond syllabus						
Total					12	



V	CO - 5	5.1	Introduction to react, Obstacles and Roadblocks	T1,T2,T3	1	Chalk & Board	Power point presentations	Assignment Test	16	Total							
		5.2	keeping Up with the Changes	T1,T2,T3	1												
		5.3	Working with the Files, Pure React	T1,T2,T3	2												
		5.4	Page Setup, The Virtual DOM	T1,T2,T3	1												
		Unit-5: React JS															
IV	CO - 4	4.1	Introducing Angular JS, Starting out with Angular JS	T1,T2,T3	1	Chalk & Board	Power point presentations	Assignment Test	13	Total							
		4.2	Basic AngularJS, Directives and Controllers	T1,T2,T3	2												
		4.3	AngularJS Modules, Creating First Controller	T1,T2,T3	1												
		4.4	working with and Displaying, Arrays	T1,T2,T3	1												
		4.5	Directives, working with ng-repeat	T1,T2,T3	1												
		4.6	Unit Testing in AngularJS Forms, inputs and Services	T1,T2,T3	1												
		4.7	Working with ng-model, Working with Forms	T1,T2,T3	1												
		4.8	Leverage Data-Binding and Models	T1,T2,T3	2												
		4.9	Form Validation and States	T1,T2,T3	2												
		4.10	Error Handling with Forms, ngModelOptions	T1,T2,T3	1												
		4.11	Nested Forms with ng-form, Other Form Controls	T1,T2,T3	2												
		4.12	Configuring Route Provider	T1,T2,T3	1												
		Unit-4: Angular JS															
		III	CO - 3	3.1	Introduction to PHP, Language Basics						T1,T2	1	Chalk & Board	Power point presentations	Assignment Test	11	Total
				3.2	Functions, Strings, Arrays						T1,T2	2					
3.3	MYSQl Installation			T1,T2	1												
3.4	Accessing MySQL Using PHP			T1,T2	2												
3.5	Form Handling, Cookies			T1,T2	1												
3.6	Tables, Inserting Data into Tables			T1,T2	1												
3.7	Selecting Data from a Table , Updating Table			T1,T2	2												
3.8	Deleting data from Table, Webpage creation			T1,T2	2												
3.9	Web Programming in Tier Architectures			T3,R1	1												
Unit-3: PHP																	
Content beyond syllabus				2.6	Introducing to Java Script basics	T1,T2	1	Chalk & Board	Power point presentations	Assignment Test	1	Total					
Content beyond syllabus				2.7	JavaScript objects JSON	T1,T2	2										
Content beyond syllabus		2.8	transition-timing-function	T1,T3	1												



Assignment Test	Content beyond syllabus		Total		Cumulative Proposed Periods	65
	S.No.	Book Title, Edition, Publisher, Year of Publication	S.No.	Book Title, Edition, Publisher, Year of Publication		
Assignment Test	5.5	React Elements, React DOM, Children	1	Jeffrey C. Jackson, "Web Technologies--A Computer Science Perspective", Pearson Education, 2006	13	65
	5.6	Constructing Elements with Data	2	Robert. W. Sebesta, "Programming the World Wide Web", Fourth Edition, Pearson Education, 2007		
	5.7	React Components Association rule mining	3	Brad Green, Shyam Seshadri, AngularJS, Up and Running Enhanced Productivity with Structured Web Apps, Publisher O'Reilly Media		
	5.8	DOM Rendering, Factories	4	Bert Bates, Kathy Sierra, Head First Java, 2nd Edition Publisher O'Reilly Media, Inc		
	5.9	Introduction to JSX	5	https://www.w3schools.com/angular/ https://www.javatpoint.com/reactjs-tutorial https://www.tutorialspoint.com/php/index.htm		

Text Books:		Reference Books:		Web Details:	
S.No.	Book Title, Edition, Publisher, Year of Publication	S.No.	Book Title, Edition, Publisher, Year of Publication		
1	Jeffrey C. Jackson, "Web Technologies--A Computer Science Perspective", Pearson Education, 2006	1	Bert Bates, Kathy Sierra, Head First Java, 2nd Edition Publisher O'Reilly Media, Inc	i	Faculty
2	Robert. W. Sebesta, "Programming the World Wide Web", Fourth Edition, Pearson Education, 2007	2	K. Bhannu Chand	ii	Module Coordinator
3	Brad Green, Shyam Seshadri, AngularJS, Up and Running Enhanced Productivity with Structured Web Apps, Publisher O'Reilly Media	3	Dr. RVSV Prasad	iii	Programme Coordinator

Signature with Date

Principal