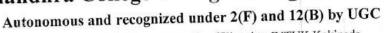# Swarnandhra College of Engineering & Technology

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)

Seetharamapurm, Narsapur – 530280 (Andhra Pradesh)

DEPARTMENT OF INFORMATION TECHNOLOGY

TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date of commencement
20IT6J01	FULL STACK DEVELOPMENT	VI	IT	5	2023-24	23-11-2023

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	Out Comes / Bloom's Level	Topics No.	Topics/ Activity	Text Book/ Ref	Contact Hour	Delivery Method
			Unit- 1: HTML			
		1.1	Web Essentials: Clients Servers, and Communication	T2	2	
		1.2	The Internet-Basic Internet Protocols	T2	1	Chalk & Board
		1.3	The World Wide Web-HTTP request message-response message	T2	2	
I	CO – 1	1.4	Web clients Web Servers	T2	1	Power point presentations
		1.5	Introduction to HTML, History, Versions, Basics	T2	1	
		1.6	XHTML Syntax and semantics	T2	1	Assignment
		1.7	Some fundamentals of HTML Elements	T2	1	Test
		1.8	Relative URLs-Lists-Tables	T2	1	
		1.9	Frames-Forms-HTML 5.0	T2	1	
Content beyond syllabus		1.10	Canvas API	T1, T3	1	
				Total	12	
			Unit- 2: Cascading Style Sheets			
		2.1	Style Sheets: CSS-Introduction to Cascading Style Sheets	T1,T2	1	Chalk & Board
		2.2	Features-Core Syntax-Style Sheets	T1,T2	2	
II	CO – 2	2.3	HTML- Style Rule Cascading and Inheritance	T1,T2	1	Power point presentations
		2.4	Text Properties-Box Model Normal Flow .	T1,T2	1	Assignment
		2.5	Box Layout beyond the Normal Flow-CSS3.0	T1,T2	2	Test

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		2.6	Introducing to Java Script basics	T1,T2	1	
		2.7	JavaScript objects JSON	T1,T2	2	
Content beyond syllabus		2.8	transition-timing-function	T1,T3	1	
				Total	11	
III	CO – 3		**Unit- 3: PHP**			Chalk & Board Power point presentations Assignment Test
		3.1	Introduction to PHP, Language Basics	T1,T2	1	
		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	
Content beyond syllabus		3.9	Web Programming in Tier Architectures	T3,R1	1	
				Total	13	
IV	CO – 4		**Unit- 4: Angular JS**			Chalk & Board Power point presentations Assignment Test
		4.1	Introducing Angular JS, Starting out with Angular JS	T1,T2,T3	1	
		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	
Content beyond syllabus		4.12	Configuring Route Provider	T1,T2,T3	1	
				Total	16	
V	CO – 5		**Unit- 5: React JS**			Chalk & Board Power point presentations
		5.1	Introduction to react, Obstacles and Roadblocks	T1,T2,T3	1	
		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	

		5.5	React Elements, React DOM, Children	T1,T2,T3	2	Assignment Test
		5.6	Constructing Elements with Data	T1,T2,T3	2	
		5.7	React Components Association rule mining	T1,T2,T3	1	
		5.8	DOM Rendering , Factories	T1,T2,T3	2	
Content beyond syllabus		5.9	Introduction to JSX	T1, R1	1	
				Total	13	
			Cumulative Proposed Periods		65	

Text Books:

S.No.	AUTHORS, BOOK TITLE, EDITION, PUBLISHER, YEAR OF PUBLICATION
1	Jeffrey C. Jackson, "Web Technologies--A Computer Science Perspective", Pearson Education, 2006
2	Robert. W. Sebesta, "Programming the World Wide Web", Fourth Edition, Pearson Education, 2007
3	Brad Green, Shyam Seshadri, AngularJS, Up and Running Enhanced Productivity with Structured Web Apps, Publisher O'Reilly Media

Reference Books:

S.No.	AUTHORS, BOOK TITLE, EDITION, PUBLISHER, YEAR OF PUBLICATION
1	Bert Bates, Kathy Sierra,Head First Java, 2nd Edition Publisher O'Reilly Media, Inc

Web Details:

1	https://www.w3schools.com/angular/ https://www.w3schools.com/angular/
2	https://www.javatpoint.com/reactjs-tutorial
3	https://www.tutorialspoint.com/php/index.htm

		Name	Signature with Date
i	Faculty	K. Bhanu Chand	K Bhanu 11/24
ii	Module Coordinator	K. Bhanu Chand	K Bhanu 11/24
iii	Programme Coordinator	Dr. RVVSV Prasad	RVVprasad

Principal