SVR GOVERNMENT DEGREE COLLEGE, NIDADAVOLE
TABLE A- ANNUAL CURRICULAR PLAN -LECTURERWISE

Department: COMPUTER SCIENCE   Name of the Lecturer: SOUJANYA BHUKYA   Class: 3rd B. Sc (M.P.CS)

Sem Paper: VI A – Web Interface Designing Technologies

Month& Week	Hours available	Syllabus Topic (as per the university)	Additional Input (or) Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
				Activity	Hours allotted	Whether Conducted	If not Alternate date	Activity	Hours allotted	Whether conducted	If not Alternate date	
JULY 2024 1st Week	4	HTML: Introduction to web designing, difference between web applications and desktop applications, introduction to HTML. 1. Create an HTML document with the following formatting options: (a)Bold, (b) Italics, (c) Underline, (d) Headings (Using H1 to H6 heading styles), (e) Font (Type, Size and Color), (f) Background (Colored background/Image in background), (g) Paragraph, (h) Line Break, (i) Horizontal Rule, (j) Pre tag.		Teaching 03.				QUIZ	yes.		2̶7-07.2024.	
	2	2. Create an HTML document which consists of: (a) Ordered List (b) Unordered List (c) Nested List (d) Image.										
JULY 2024 2nd Week	4	HTML structure, elements, attributes, headings, paragraphs, styles, colours, HTML formatting, Quotations, Comments, images. 3. Create a Table with four rows and five columns. Place an image in one column.		Teaching 03.				Student Seminar			20.07.24	
	2	4. Using "table" tag, align the images.										

S.No	Month / Week	Hrs	Theory Topic	Hrs	Practical	Method
3	JULY 2024 3rd Week	4	Tables, lists, blocks and classes, HTML, CSS, HTML frames, file paths, layout, symbols, HTML responsive.	2	5. Create a menu form using html. 6. Style the menu buttons using css.	Student Seminar
4	JULY 2024 4th Week	4	HTML forms: HTML form elements, input types, input attributes, HTML5, HTML graphics, HTML media – video, audio, plug INS, you tube.	2	7. Create a form using HTML which has the following types of controls: (a) Text Box (b) Option/radio buttons (c) Check boxes (d) Reset and Submit buttons. 8. Embed a calendar object in your web page.	Student Seminar
5	AUGUST 2024 1st Week	4	HTML API'S: Geo location, Drag/drop, local storage, HTML, SSE. CSS: CSS home, Introduction, syntax, colours, back ground, borders, margins, padding.	2	9. Create an applet that accepts two numbers and perform all the arithmetic operations on them 10. Create nested table to store your curriculum	Assignment
6	AUGUST 2024 2nd Week	4	CSS: height/width, text, fonts, icons, tables, lists, position, over flow, float, CSS combinators, pseudo class, pseudo elements, opacity, tool tips, image gallery, CSS forms, CSS counters, CSS responsive.	2	11. Create a form that accepts the information from the subscriber of a mailing system. 12. Design the page.	Student Seminar

Date	Hrs	Topic / Content	Methodology
AUGUST 2024 3rd Week	4	Client side Validation: Introduction to JavaScript - What is DHTML, JavaScript, basics, variables, string manipulations, mathematical functions.	Student Seminar
	2	13. Create a help file. 14. Create a webpage containing your bio data (assume the form and fields).	
AUGUST 2024 4th Week	4	Statements, operators, arrays, functions. Objects in JavaScript - Data and objects in JavaScript, regular expressions, exception handling. 15. Write a html program including style sheets.	
AUGUST 2024 5th Week	2	1st MID EXAMINATIONS	Student Seminar
	4	DHTML with JavaScript - Data validation, opening a new window, messages and confirmations, the status bar, different frames, rollover buttons, moving images.	Group Discussion
SEPTEMBER 2024 1st Week	2	16. Write a html program to layers of information in web page.	
SEPTEMBER 2024 2nd Week	4	Word press: Introduction to word press, servers like wamp, bitnami e.tc, installing and configuring word press.	Student Seminar
	2	17. Create a static webpage.	

No.	Month / Week	Periods	Topic						Remarks
12	SEPTEMBER 2024 3rd Week	4	Understanding admin panel, working with posts and pages, using editor, text formatting with shortcuts.						Student Seminar
		2	1. Installation and configuration of word press.						
		2	2. Create a site and add a theme to it.						
			20 Create a child theme						
13	SEPTEMBER 2024 4th Week	4	Working with media-Adding, editing, deleting media elements, working with widgets, menus.						Student Seminar
		2	3. Create five pages on COVID – 19 and link them to the home page..						
		4	4. Create a simple post with featured image.						
14	October 2024 1st week	4	Working with themes-parent and child themes, using featured images, configuring settings.						
		2	5. Add an external video link with size 640 X 360.						Assignment
			6. Create a user and assign a role to him.						
15	October 2024 3d Week	4	User and user roles and profiles, adding external links, extending word press with plug-ins.						Student Seminar
		2	7. Create a login page to word press using custom links.						
			8. Create a website for your college.						

October 2024 4th Week	4	Customizing the site, changing the appearance of site using css , protecting word press website from hackers.								
	2	RECORD WORK								
October 2024 5th Week	4	IInd MID EXAMINATIONS								
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SVR GOVERNMENT DEGREE COLLEGE, NIDADAVOLE
TABLE A- ANNUAL CURRICULAR PLAN -LECTURERWISE

Name of the Lecturer: SOUJANYA BHUKYA   Class: 3rd B. Sc (M.P.CS) V-Sem

Department: COMPUTER SCIENCE

Paper: VII A - Web Applications Development using PHP& MYSQL

Month& Week	Hours available	Syllabus Topic (as per the university)	Additional Input (or) Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
				Activity	Hours allotted	Whether Conducted	If not Alternate date	Activity	Hours allotted	Whether conducted	If not Alternate date	
JULY 2024 1st Week	4	The Building blocks of PHP: Variables, Data Types, Operators and Expressions, Constants. Flow Control Functions in PHP: Switching Flow, Loops.										
	2	1.Write a PHP program to Display "Hello". 2. Write a PHP Program to display the today's date.						QUIZ				
JULY 2024 2nd Week	4	Code Blocks and Browser Output. Working with Functions: What is function?, Calling functions, Defining Functions, Returning the values from User-Defined Functions.										
	2	3. Write a PHP program to display Fibonacci series. 4. Write a PHP Program to read the employee details.						Student Seminar				
JULY 2024 3rd Week	4	Variable Scope, Saving state between Function calls with the static statement, more about arguments.						Student Seminar				
	2	5. Write a PHP program to prepare the student marks list. 6. Write a PHP program to generate the multiplication of two matrices.										

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Month / Week	Periods	Topic / Content							Remarks
	4	Working with Arrays: What are Arrays? Creating Arrays, Some Array-Related Functions.							Student Seminar
JULY 2024 4th Week	4	7. Create student registration form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page.							
	2	8. Create Website Registration Form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page.							
	4	Working with Objects: Creating Objects, Object Instance Working with Strings, Dates and Time.							
AUGUST 2024 1st Week	2	9. Write PHP script to demonstrate passing variables with cookies.							Assignment
	2	10. Write a program to keep track of how many times a visitor has loaded the page.							
	4	Formatting strings with PHP, Investigating Strings with PHP, Manipulating Strings with PHP, Using Date and Time Functions in PHP.							
AUGUST 2024 2nd Week	4	11. Write a PHP application to add new Rows in a Table.							Student Seminar
	2	12. Write a PHP application to modify the Rows in a Table.							
AUGUST 2024 3rd Week	4	Working with Forms: Creating Forms, Accessing Form Input with User defined Arrays, Combining HTML and PHP code on a single Page, Using Hidden Fields to save state.							Expert lectures by IT experts working professionally in the area of web Content development
	2	13. Write a PHP application to delete the Rows from a Table. 14. Write a PHP application to fetch the Rows in a Table.							

8	AUGUST 2024 4th Week		Redirecting the user, Sending Mail on Form Submission, and Working with File Uploads. Working with Cookies and User Sessions: Introducing Cookies, Setting a Cookie with PHP. 15. Develop an PHP application to implement the following Operations i. Registration of Users. ii. Insert the details of the Users. iii. Modify the Details. iv. Transaction Maintenance. a) No of times Logged in b) Time Spent on each login. c) Restrict the user for three trials only. d) Delete the user if he spent more than 100 Hrs of transaction.					Student Seminar	SEPTE 20 2nd
9	AUGUST 2024 5th Week	4 2	1st MID EXAMINATIONS						SEP 3r
10	SEPTEMBER 2024 1st Week	4 2	Session Function Overview, Starting a Session, Working with session variables, passing session IDs in the Query String, Destroying Sessions and Unsetting Variables, Using Sessions in an Environment with Registered Users. 16. Write a PHP script to connect MySQL server from your website. 17. Write a program to read customer information like cust-no, cust-name, item-purchased, and mob-no, from customer table and display all these information in table format on output screen.					Group Discussion	SEP 4

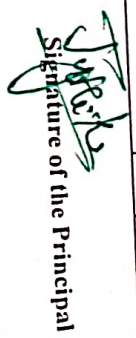| Month / Week	No.	Topic						Method
SEPTEMBER 2024 2nd Week	4	Working with Files and Directories: Including Files with Include(), Validating Files, Creating and Deleting Files, Opening a File for Writing, Reading or Appending, Reading from Files.						
	2	18. Write a program to edit name of customer to "Kiran" with cust-no =1, and to delete record with cust-no=3. 19. Write a program to read employee information like emp-no, emp-name, designation and salary from EMP table and display all this information using table format in your website.						Student Seminar
SEPTEMBER 2024 3rd Week	4	Writing or Appending to a File, Working with Directories, Open Pipes to and from Process Using popen(). Running Commands with exec(). Running Commands with system() or passthru().						
	2	20. Create a dynamic web site using PHP and MySQL.						Student Seminar
SEPTEMBER 2024 4th Week	2	RECORD WORK						
	4	Working with Images: Understanding the Image-Creation Process, Necessary Modifications to PHP, Drawing a New Image.						Student Seminar
October 2024 1st week	4	Getting Fancy with Pie Charts, Modifying Existing Images, Image nGreation from User Input.						
	2	PROJECT WORK						Assignment

					Webpage development competition among small groups of students.
15	October 2024 3d Week	4	Interacting with MySQL using PHP: MySQL Versus MySQLi Functions, connecting to MySQL with PHP, Working with MySQL Data.		
		2	PROJECT WORK.		
16	October 2024 4th Week	4	Creating an Online Address Book: Planning and Creating Database Tables, Creating Menu, Creating Record Addition Mechanism, Viewing Records, Creating the Record Deletion Mechanism, Adding Sub-entities to a Record.		
		2	PROJECT WORK.		
17	October 2024 5th Week	4	IInd MID EXAMINATIONS		
		2			

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Department: COMPUTER SCIENCE   Name of the Lecturer: SOUJANYA BHUKYA   Class: 2nd B. Sc Honors Comp Science Major

-Sem Course 5: Object Oriented Programming using Java

Month& Week	Hours available	Syllabus Topic (as per the university)	Additional Input (or) Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
				Activity	Hours allotted	Whether Conducted	If not Alternate date	Activity	Hours allotted	Whether conducted	If not Alternate date	
JULY 2024 1st Week	3	OOPs Concepts and Java Programming: Introduction to Object-Oriented concepts, procedural and Object-oriented programming paradigm.										
	2	1. Write a Java program to print Fibonacci series using for loop.										
JULY 2024 2nd Week	3	Java programming: An Overview of Java, Java Environment, Data types, Variables, constants, scope and life time of variables, operators, type conversion and casting.										
	2	2. Write a Java program to calculate multiplication of 2 matrices.										

Month/Week	Hrs	Content	Remarks
JULY 2024 3rd Week	3	Accepting Input from the Keyboard, Reading Input with Java.util.Scanner Class, Displaying Output with System.out.print().	
	2	3. Create a class Rectangle. The class has attributes length and width. It should have methods that calculate the perimeter and area of the rectangle. It should have read Attributes method to read length and width from user. 4. Write a Java program that implements method overloading.	
JULY 2024 4th Week	3	Displaying Formatted Output with String.format(), Control Statements. Arrays, Command Line Arguments, Strings-String Class Methods.	
	2	5. Write a Java program for sorting a given list of names in ascending order.	Quiz on Object-Oriented Programming Concepts and Java Constructs
AUGUST 2024 1st Week	3	Classes & Objects: Creating Classes, declaring objects, Methods, parameter passing, static fields and methods, Constructors, and 'this' keyword, overloading methods and access.	
	2	6. Write a Java program that displays the number of characters, lines and words in a text file.	
AUGUST 2024 2nd Week	3	Inheritance: Inheritance hierarchies, super and subclasses, member access rules, 'super' keyword, preventing inheritance: final classes and methods, the object class and its methods;	Student Seminar
	2	7. Write a Java program to implement various types of inheritance i. Single ii. Multi-Level iii. Hierarchical iv. Hybrid inheritance	

Month/Week	No.	Topic								Activity/Assignment
AUGUST 2024 3rd Week	2	Polymorphism: Dynamic binding, method overriding, abstract classes and methods; 8. Write a java program to implement runtime polymorphism.								Object-Oriented Programming Assignment: Class Implementation
AUGUST 2024 4th Week	3	Interface: Interfaces VS Abstract classes, defining an interface, implement interfaces, accessing implementations through interface references, extending interface;								
	2	9. Write a Java program which accepts withdraw amount from the user and throws an exception "In Sufficient Funds" when withdraw amount more than available amount.								
AUGUST 2024 5th Week	3	Ist MID EXAMINATIONS								
SEPTEMBER 2024 1st Week	3	Packages: Defining, creating and accessing a package, understanding CLASSPATH, importingpackages.								Hands-on Lab Activity: Creating and Using Custom Java Packages
	2									
SEPTEMBER 2024 2nd Week	3	Exception Handling: Benefits of exception handling, the classification of exceptions, exception hierarchy, checked exceptions and unchecked exceptions, 10. Write a Java program to create three threads and that displays "good morning", for every one second, "hello" for every 2 seconds and "welcome" for every 3 seconds by using extending Thread class.								

No.	Date	Periods	Topic / Content					Remarks
12	SEPTEMBER 2024 3rd Week	3	Usage of try, catch, throw, throws and finally; rethrowing exceptions, exception specification, built in exceptions, creating own exception subclasses.					
		2	11. Write a Java program that creates three threads. First thread displays "Through", the second thread displays "OOPS", and the third thread Displays "JAVA" by using Runnable interface.					
13	SEPTEMBER 2024 4th Week	3	Multithreading: Differences between multiple processes and multiple threads, thread states, thread life cycle, creating threads, interrupting threads, thread priorities, synchronizing threads, inter thread communication.					Case Study Discussion on where multi-threading is crucial
		2	12. Implement a Java program for handling mouse events when the mouse entered, exited, clicked, pressed, released, dragged and moved in the client area.					
14	October 2024 1st week	3	Stream based I/O (java.io) – The Stream classes-Byte streams and Character streams, Reading console Input and Writing Console Output, File class, Reading and writing Files, The Console class, Serialization					Student Seminar
		2	13. Implement a Java program for handling key events when the key board is pressed, released, typed.					
15	October 2024 3d Week	3	GUI Programming with Swing- Introduction, MVC architecture, components, containers. Understanding Layout Managers - Flow Layout, Border Layout, Grid Layout, Card Layout, Grid Bag Layout.					
		2	14. Write a Java swing program that reads two numbers from two separate text fields and display sum of two numbers in third text field when button "add" is pressed.					

Date	No.	Topic						
October 2024 4th Week	3	Event Handling:- The Delegation event model:- Events, Event sources, Event Listeners, Event classes, Handling mouse and keyboard events, Adapter classes, Inner classes, Anonymous Inner classes.						
	2	15. Write a Java program to design student registration form using Swing Controls. The form which having the following fields and button SAVE Form Fields are: Name, RNO, Mailid, Gender, Branch, Address.						
October 2024 5th Week	3	IInd MID EXAMINATIONS						GUI design contest using Java Swings
	2							

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Department: COMPUTER SCIENCE

I-Semester, Course 6: Data Structures using C

Name of the Lecturer: SOUJANYA BHUKYA

Class: 2nd B. Sc Honors Comp Science Major

Month& Week	Hours available	Syllabus Topic (as per the university)	Additional Input (or) Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
				Activity	Hours allotted	Whether Conducted	If not Alternate date	Activity	Hours allotted	Whether conducted	If not Alternate date	
JULY 2024 1st Week	3	Basic Concepts: Pointers and dynamic memory allocation, Algorithm-Definition and characteristics, Algorithm Analysis-Space Complexity, Time Complexity, Asymptotic Notation.										
	2											
JULY 2024 2nd Week	.	Introduction to Data structures: Definition, Types of Data structure, Abstract Data Types (ADT), Difference between Abstract Data Types, Data Types, and Data Structures.										
	3	1. Write a program to read 'N' numbers of elements into an array and also perform the following operation on an array a. Add an element at the beginning of an array b. Insert an element at given index of array c. Update an element using a values and index d. Delete an existing element										
	2											

Month/Week	Hrs	Content	Activity
JULY 2024 3rd Week	3	Arrays-Concept of Arrays, Single dimensional array, Two dimensional arrays, Operations on arrays with Algorithms (searching, traversing, inserting, deleting).	Activity: Algorithm analysis exercises
	2	2. Write Program to implement Single Linked List with insertion, deletion and traversal operations	
JULY 2024 4th Week	3	Linked List: Concept of Linked Lists, Representation of linked lists in Memory, Comparison between Linked List and Array.	
	2	3. Write Program to implement Circular doubly Linked List with insertion, deletion and traversal operations	
AUGUST 2024 1st Week	3	Types of Linked Lists - Singly Linked list, Doubly Linked list, Circularly Singly Linked list, Circularly Doubly Linked list;	
	2	4. Write Programs to implement the Stack operations using an array	STUDENT SEMINAR
AUGUST 2024 2nd Week	3	Implementation of Linked List ADT: Creating a List, Traversing a linked list, Searching linked list, Insertion and deletion into linked list (At first Node, Specified Position, Last node), Application of linked lists.	Presentations on real-life applications of linked lists
	2	5. Write a program using stacks to convert a given infix expression to postfix	
AUGUST 2024 3rd Week	3	Stacks: Introduction to stack ADT, Representation of stacks with array and Linked List, Implementation of stacks, Application of stacks.	
	2	6. Write Programs to implement the Stack operations using Liked List.	

#	Week	Periods	Topic / Program						Activity
8	AUGUST 2024 4th Week	3 / 2	Polish Notations - Converting Infix to Post Fix Notation - Evaluation of Post Fix Notation - Tower of Hanoi. Recursion: Concept and Comparison between recursion and iteration. 7. Write Programs to implement the Queue operations using an array.						STUDENT SEMINAR
9	AUGUST 2024 5th Week	3 / 2	1st MID EXAMINATIONS						
10	SEPTEMBER 2024 1st Week	3 / 2	Queues: Introduction to Queue ADT. Representation of Queues with array and Linked List. Implementation of Queues. 8. Write Programs to implement the Queue operations using Liked List.						Role-playing activities for stack operations
11	SEPTEMBER 2024 2nd Week	3 / 2	Application of Queues Types of Queues- Circular Queues, De-queues, Priority Queue. 9. Write a program for Binary Search Tree Traversals.						
12	SEPTEMBER 2024 3rd Week	3 / 2	Searching: Linear or Sequential Search, Binary Search and Indexed Sequential Search. 10. Write a program to search an item in a given list using the following Searching Algorithms a. Linear Search b. Binary Search.						

Month/Week	Periods	Topic	Remarks
SEPTEMBER 2024 4th Week	3	Sorting: Selection Sort, Bubble Sort, Insertion Sort, Quick Sort and Merge Sort.	
	2	11. Write a program for implementation of the following Sorting Algorithms a. Bubble Sort b. Insertion Sort c. Quick Sort	Sorting algorithm analysis and comparison activities
October 2024 1st week	3	Binary Trees: Concept of Non-Linear Data Structures. Introduction Binary Trees, Types of Trees, Basic Definition of Binary Trees, Properties of Binary Trees.	
	2	RECORD WORK	
October 2024 3d Week	3	Representation of Binary Trees, Operations on a Binary Search Tree, Binary Tree Traversal, Applications of Binary Tree.	
	2	RECORD WORK	
October 2024 4th Week	3	Graphs: Introduction to Graphs, Terms Associated with Graphs, Sequential Representation of Graphs, Linked Representation of Graphs, Traversal of Graphs (DFS, BFS), and Application of Graphs.	Case Study on Applications of Graphs
	2	RECORD WORK	
October 2024 5th Week	3	IInd MID EXAMINATIONS	
	2	RECORD WORK	

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