

Department: COMPUTER SCIENCE
Paper: 1 PROBLEM SOLVING IN C

Name of the Lecturer: SOUJANYA BHUKYA
Year: 2022-23.

Class: Ist B.Sc (MLP,CS) 1-4sem

SVRK GOVERNMENT DEGREE COLLEGE (MD), NIDAVAVOLE
TABLE A : ANNUAL CURRICULAR PLAN Lecturer's copy.

S.No	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	
1	Oct 2022 4th week.	4	General Fundamentals: Introduction to computers; Block diagram of a computer; characteristics and limitations of computers.	1. Write a program to check whether the given number is Armstrong or not.	Teaching				quiz	01	Yes		
2	Nov 2022 1st week	4	Applications of computers, types of computers, computer generations, Algorithm - Key features of Algorithms, Flow Charts.	2. Write a program to find the sum of individual digits of a positive integer.	Teaching				Student Seminar	01	Yes		
3	Nov 2022 2nd week.	4	Programming Languages - Generations of Programming Languages - Structured Programming Language- Design and Implementation of Correct, Efficient and Maintainable Programs.	3. Write a program to generate the first n terms of the Fibonacci sequence.	Teaching				Student Seminar	01	Yes		

4	NOV 2022. 3rd week.	4	Introduction to C: Introduction - Structure of C Program - Writing the first C Program - File used in C Program - Compiling and Executing C Programs - Using Comments - Keywords - Identifiers. 4. Write a program to find both the largest and smallest number in a list of integer values.		Teaching							
5	NOV 2022 4th week.	4	Basic Data Types in C - Variables - Constants - I/O Statements in C- Operators in C- Programming Examples. 5. Write a program to demonstrate reflection of parameters in swapping of two integer values using Call by Value & Call by Address		Teaching				Assignment			
6	DEC. 2022. 1st week.	4	Decision Control and Looping Statements: Introduction to Decision Control Statements- Conditional Branching Statements - Iterative Statements - Nested Loops - Break and Continue Statement - Goto Statement. 6. Write a program that uses functions to add two matrices.		Teaching				Student Seminar			
7	DEC 2022 2nd week.	4	Arrays: Introduction - Declaration of Arrays - Accessing elements of the Array. 7. Write a program to calculate factorial of given integer value using recursive functions.		Teaching				Student Seminar			

8	Dec 2022 3rd week.	4	Storing Values in Array- Operations on Arrays - one dimensional array.							
		2	B. Write a program for multiplication of two N X N matrices.	Reading Practical			Student Seminar			
9	Dec 2022 4th week.	4	Two dimensional and multi-dimensional arrays, character handling and strings.	Reading Practical			Group Discussion			
		2	9. Write a program to perform various string operations.							
10	Dec 2022 5th week.	4	Functions: Introduction - using functions - Function declaration/ prototype - Function definition - Function call - return statement.	Reading Practical			Student Seminar			
		2	Mid-T Exam, 10. Write a program to search an element in a given list of values.							
11	Jan 2023 1st week.	4	Passing parameters - Scope of variables - Storage Classes - Recursive functions.	Reading Practical			Student Seminar			
		2	11. Write a program to sort a given list of integers in ascending order.							
12	Jan 2023. 3rd week.	4	Introduction - Nested Structures - Arrays of Structures - Structures and Functions- Union - Arrays of Unions Variables - Unions inside Structures - Enumerated Data Types.	Reading Practical			Student Seminar			
		2	12. Write a program to calculate the salaries of all employees using Employee (ID, Name, Designation, Basic Pay, DA, HRA, Gross Salary, Deduction, Net Salary) structure. a. DA is 30 % of Basic Pay b. HRA is 15% of Basic Pay c. Deduction is 10% of (Basic Pay + DA) d. Gross Salary = Basic Pay + DA + HRA e. Net Salary = Gross Salary - Deduction.							

13	Jam 2023 4th week.	4	Pointers: Understanding Computer Memory - Introduction to Pointers - declaring Pointer Variables- Pointer Expressions and Pointer Arithmetic - Null Pointers. 13. Write a program to illustrate pointer arithmetic. 14. Write a program to read the data character by character from a file.		Reading Practical				Assignment				
	Feb. 2023.	4	Passing Arguments to Functions using Pointer - Pointer and Arrays - Memory Allocation in C Programs - Memory Usage - Dynamic Memory Allocation - Drawbacks of Pointers.		Reading				Student Seminar				
14	1st week.	2	15. Write a program to create Book (ISBN, Title, Author, Price, Pages, Publisher) structure and store book details in a file and perform the following operations a. Add book details b. Search a book details for a given ISBN and display book details, if available c. Update a book details using ISBN d. Delete book details for a given ISBN and display list of remaining Books.		Practical								
15	Feb 2023 2nd week.	4	Files: Introduction to Files - Using Files in C - Reading Data from Files - Writing Data to Files - Detecting the End-of-file - Error Handling during File Operations - Accepting Command Line Arguments.		Reading Practical				Student Seminar				
		2	RECORD WORK										

B. L. S
Signature of the Lecturer

B. L. S
Signature of the Dept. Hc

D. V. K.
Signature of the Principal

SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAVOLE

TABLE - A : ANNUAL CURRICULAR PLAN - Lecturer's side.

Department: COMPUTER SCIENCE

Name of the Lecturer: SOUJANYA BHUKYA

Class: 2nd B. Sc (M.P.CS) III-Sem

Paper: III-DATABASE MANAGEMENT SYSTEMS.

Year: 2022-23.

S.No	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	
1	NOV 2022-1st week.	4	Introduction to data, information, database, database management systems, file-based system, Drawbacks of file-Based System. 1. Create above tables with relevant Primary Key, Foreign Key and other constraints 2. Populate the tables with data.		Teaching Practical				QUIZ				
2	NOV 2022-2nd week.	4	Database approach, Classification of Database Management Systems, advantages of database approach, Various Data Models. 3. Display all the details of all employees working in the company. 4. Display ssn, lname, fname, address of employees who work in department no 7.		Teaching Practical				Student Seminar				
3	NOV 2022-3rd week.	4	Components of Database Management System, three schema architecture of data base, costs and risks of database approach.5. Retrieve the Birthdate and Address of the employee whose name is 'Franklin T. Wong'.6. Retrieve the name and salary of every employee.		Teaching Practical				Student Seminar				

4	Nov 2022. 4th week.	4	ER Model: Introduction, the building blocks of an entity relationship diagram, classification of entity sets, attribute classification. 7. Retrieve all distinct salary values. 8. Retrieve all employee names whose address is in 'Bellaire'.		Teaching practical					Student Seminar					
5	Dec 2022. 1st week.	2	Relationship degree, relationship classification, reducing ER diagram to tables, enhanced entity-relationship model (EER model). 9. Retrieve all employees who were born during the 1950s 10. Retrieve all employees in department 5 whose salary is between 50,000 and 60,000(inclusive).		Teaching practical					Assignment					
6	Dec 2022. 2nd week.	4	Generalization and specialization, IS A relationship and attribute inheritance, multiple inheritance, constraints on specialization and generalization, advantages of ER modeling. 11. Retrieve the names of all employees who do not have supervisors. 12. Retrieve SSN and department name for all employees		Teaching practical					Student Seminar					

7	Dec 2022. 3rd week.	4	Relational Model: Introduction, CODD Rules, relational data model, concept of key, relational integrity. 13. Retrieve the name and address of all employees who work for the 'Research' department 14. For every project located in 'Stafford', list the project number, the controlling department number, and the department manager's last name, address, and birth date.		Teaching practical				Student Seminar						
8	Dec 2022. 4th week.	4	Relational algebra, relational algebra operations, advantages of relational algebra, limitations of relational algebra, relational calculus, tuple relational calculus. 15. For each employee, retrieve the employee's name, and the name of his or her immediate supervisor. 16. Retrieve all combinations of Employee Name and Department Name		Teaching practical Igt mid Exam.				Student Seminar						
9	Dec 2022. 5th week.	4	Domain relational Calculus (DRC), Functional dependencies and normal forms up to 3rd normal form. Mid - I. 17. Make a list of all project numbers for projects that involve an employee whose last name is 'Narayan' either as a worker or as a manager of the department that controls the project. 18. Increase the salary of all employees working on the 'ProductX' project by 15%. Retrieve employee name and increased salary of these employees.		Teaching practical not Exam .				Group Discussion						

10	Jan 2023 1st week.	4	Introduction, History of SQL Standard, Commands in SQL, Data Types in SQL, Data Definition Language. 19. Retrieve a list of employees and the project name each works in, ordered by the employee's department, and within each department ordered alphabetically by employee first name. 20. Select the names of employees whose salary does not match with salary of any employee in department 10.		Teaching practical								
11	Jan 2023 3rd week.	4	Selection Operation, Projection Operation, Aggregate functions, Data Manipulation Language. 21. Retrieve the employee numbers of all employees who work on project located in Bellaire, Houston, or Stafford. 22. Find the sum of the salaries of all employees, the maximum salary, the minimum salary, and the average salary. Display with proper headings.		Teaching practical and mid Exam					Student Seminar			
12	Jan 2023 4th week.	4	Table Modification Commands, Join Operation, Set Operations, View, Sub Query. 23. Find the sum of the salaries and number of employees of all employees of the 'Marketing' department, as well as the maximum salary, the minimum salary, and the average salary in this department.		Teaching practical					Student Seminar			

13	Feb 2023 1st week.	4 2	Introduction, Shortcomings of SQL, Structure of PL/SQL, PL/SQL Language Elements. 24. Select the names of employees whose salary is greater than the average salary of all employees in department 10.	Teaching practical					Assignment					
14	Feb 2023 2nd week.	4 2	Data Types, Operators Precedence, Control Structure. Steps to Create a PL/SQL Program. 25. Delete all dependents of employee whose sum is 123456789. 26. Perform a query using alter command to drop/add field and a constraint in Employee table.	Teaching practical					Student Seminar					
15	Feb 2023 3rd week.	4 2	Iterative Control, Procedure, Function, Database Triggers, Types of Triggers. RECORD WORK	Teaching practical					Student Seminar					

B.L.S.
Signature of the Lecturer

B.L.S.
Signature of the Dept. Hc

T.K.B.
Signature of the Principal

SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAVOLE

TABLE A : ANNUAL CURRICULAR PLAN ~~Lecturer's use~~

Department: **COMPUTER SCIENCE**
Paper: **VI A - Web Interface Designing Technologies**

Name of the Lecturer: **SOUJANYA BHUKYA**
Year : 2022-23.

Class: **3rd B.Sc (M.P.CS) V-Sem**

S.No	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	
1	Nov 2022 3rd 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. 2. Create an HTML document which consists of: (a) Ordered List (b) Unordered List (c) Nested List (d) Image		Teaching practical				QUIZ				
2	Nov 2022 4th 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. 4. Using "table" tag, align the images.		Teaching practical				Student Seminar				

3	Nov 2022 4th week.	4	2	Tables, lists, blocks and classes, HTML CSS, HTML frames, file paths, layout, symbols, HTML responsive. 5. Create a menu form using html. 6. Style the menu buttons using css.		Teaching Practical				Student Seminar				
4	Dec 2022. 1st week.	4	2	HTML forms: HTML form elements, input types, input attributes, HTML5, HTML graphics, HTML media – video, audio, plug INS, you tube. 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.		Teaching Practical				Student Seminar				
5	Dec 2022 2nd week	4	2	HTML API's: Geo location, Drag/drop, local storage, HTML SSE. CSS: CSS home, introduction, syntax, colours, back ground, borders, margins, padding. 9. Create an applet that accepts two numbers and perform all the arithmetic operations on them 10. Create nested table to store your curriculum		Teaching Practical				Assignment				
6	Dec 2022 3rd week.	4	2	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. 11. Create a form that accepts the information from the subscriber of a mailing system. 12. Design the page.		Teaching Practical				Student Seminar				

7	Dec 2022 4th week.	4	Client side Validation: Introduction to JavaScript - What is DHTML, JavaScript, basics, variables, string manipulations, mathematical functions. 13. Create a help file. 14. Create a webpage containing your bio data (assume the form and fields).		Teaching practical I mid exam				Student Seminar				
8	Jan 2023 1st week.	4 2	Statements, operators, arrays, functions. Objects in JavaScript - Data and objects in JavaScript, regular expressions, exception handling. 15. Write a html program including style sheets.		Teaching practical				Student Seminar				
9	Jan 2023 3rd week	4 2	DHTML with JavaScript - Data validation, opening a new window, messages and confirmations, the status bar, different frames, rollover buttons, moving images. 16. Write a html program to layers of information in web page.		Teaching practical				Group Discussion				
10	Jan 2023 4th week.	4 2	Word press: Introduction to word press, servers like wamp, bitnami etc, installing and configuring word press. 17. Create a static webpage.		Teaching practical				Student Seminar				

11	Feb-23 1st week.	4	2	Understanding admin panel, working with posts and pages, using editor, text formatting with shortcuts. 1. Installation and configuration of word press. 2. Create a site and add a theme to it. 20 Create a child theme Working with media-Adding, editing, deleting media elements, working with widgets, menus.		Teaching practical				Student Seminar				
12	Feb-23 2nd week	4	2	3. Create five pages on COVID - 19 and link them to the home page.. 4. Create a simple post with featured image. Working with themes-parent and child themes, using featured images, configuring settings. 5. Add an external video link with size 640 X 360. 6. Create a user and assign a role to him.		II mid Exam reading Practical				Student Seminar				
13	Feb 2023 3rd week.	4	2	User and user roles and profiles, adding external links, extending word press with plug-ins. 7. Create a login page to word press using custom links. 8. Create a website for your college.		Teaching practical				Assignment				
14	Feb 2023 4th week.	4	2	Customizing the site, changing the appearance of site using css , protecting word press website from hackers. RECORD WORK		Teaching practical				Student Seminar				
15	Feb 2023 4th week	4	2			Teaching practical				Student Seminar				

Signature of the Lecturer

Signature of the Dept. Hc

Signature of the Principal

Year: 2022-23

SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAYOLE

TABLE A : ANNUAL CURRICULAR PLAN

Department: COMPUTER SCIENCE
 Paper: VII A - Web Applications Development using PHP & MYSQL
 Name of the Lecturer: SOUJANYA BHUKYA
 Year : 2022-23.
 Class: 3rd B. Sc (M.P.CS) V-Sem

S.No	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	
1	Nov 2022 3rd week	4	The Building blocks of PHP: Variables, Data Types, Operators and Expressions, Constants. Flow Control Functions in PHP: Switching Flow, Loops. 1. Write a PHP program to Display "Hello" 2. Write a PHP Program to display the today's date.		Teaching practical				QUIZ				
2	Nov 2022 4th week	4	Code Blocks and Browser Output. Working with Functions: What is function?, Calling functions, Defining Functions, Returning the values from User-Defined Functions. 3. Write a PHP program to display Fibonacci series. 4. Write a PHP Program to read the employee details.		Teaching practical				Student Seminar				

3	Dec 2022 1st week	4 2	Variable Scope, Saving state between Function calls with the static statement, more about arguments. 5. Write a PHP program to prepare the student marks list. 6. Write a PHP program to generate the multiplication of two matrices.		Teaching practical				Student Seminar					
4	Dec 2022 2nd week	4 2	Working with Arrays: What are Arrays? Creating Arrays, Some Array-Related Functions. 7. Create student registration form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page. 8. Create Website Registration Form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page.		Teaching practical				Student Seminar					
5	Dec 2022 3rd week	4 2	Working with Objects: Creating Objects, Object Instance Working with Strings, Dates and Time. 9. Write PHP script to demonstrate passing variables with cookies. 10. Write a program to keep track of how many times a visitor has loaded the page.		Teaching practical				Assignment					

6	Dec 2009 4th week	4	Formatting strings with PHP, Investigating Strings with PHP, Manipulating Strings with PHP, Using Date and Time Functions in PHP. 11. Write a PHP application to add new Rows in a Table. 12. Write a PHP application to modify the Rows in a Table.		I mid exam teaching practical				Student Seminar					
7	Jan 2009 1st 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. 13. Write a PHP application to delete the Rows from a Table. 14. Write a PHP application to fetch the Rows in a Table.		Teaching practical				Expert lectures by IT experts working professionally in the area of web Content development					
8	Jan 2009 3rd week	4	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.	2	Teaching practical				Student Seminar					

11	Feb 2023 2nd 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().		Teaching practical II mid exam				Student Seminar					
12	Feb 2023 3rd week	4	Working with Images: Understanding the Image-Creation Process, Necessary Modifications to PHP, Drawing a New Image, Getting Fancy with Pie Charts, Modifying Existing Images, Image Creation from User Input.		Teaching practical				Student Seminar					
13	Feb 2023 4th week	4	Interacting with MySQL using PHP: MySQL Versus MySQL Functions, Connecting to MySQL with PHP, Working with MySQL Data.		Teaching practical				Assignment					
14	March 2023 1st 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.		Teaching practical				Webpage development competition among small groups of students.					
15	March 2023 2nd week	4	PROJECT WORK		Teaching practical									
		2	REVISION											

Signature of the Lecturer

Signature of the Dept. H/c

Signature of the Principal