SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAVOLE
TABLE-A -CURRICULAR PLAN - LECTURER WISE

Department: COMPUTER SCIENCE **Year:** 2021-2022

Name of the Lecturer: SOUJANYA BHUKYA **Class:** I B. Sc (M.P.CS) Sem-I. **Paper:** I PROBLEM SOLVING IN C

Serial Number	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	Activity	Hours allotted	Whether conducted	If not Alternate date	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	November 4th Week	04 02	Introduction to computers: Block diagram of a computer, characteristics and limitations of computers, applications of computers, types of computers, computer generations. 1. Write a program to check whether the given number is Armstrong or not.	—	Teaching Practical	04 02	Yes	—	—	—	—	—	
2	December 1st Week	04 02	Algorithm – Key features of Algorithms, Flow Charts, Programming Languages – Generations of Programming Languages . 2. Write a program to find the sum of individual digits of a positive integer.	—	Teaching Practical	04 01	Yes	—	Student Seminar	01	Yes	—	
3	December 2nd Week	04 02	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 practical	04 02	Yes	—	—	—	—	—	

4	December 3rd Week	04 02	Introduction – Structure of C Program – Writing the first C Program – File used in C Program – Compiling and Executing C Programs – Using Comments . 4. Write a program to find both the largest and smallest number in a list of integer values .	—	Teaching Practical	04 02	Yes	—	—	—	—	—	
5	December 4th Week	04 02	Keywords – Identifiers – Basic Data Types in C – Variables – Constants – I/O Statements in C- Operators in C- Programming Examples. 5. Write a program to demonstrate refection of parameters in swapping of two integer values using Call by Value & Call by Address .	—	Teaching Practical	04 01	Yes	—	Student Seminar	01	Yes	—	
6	December 5th Week	04 02	Introduction to Decision Control Statements– Conditional Branching Statements – Iterative Statements . 6. Write a program that uses functions to add two matrices.	—	Teaching Practical	04 02	Yes	—	—	—	—	—	
7	January 1st Week	04 02	Nested Loops – Break and Continue Statement – Goto Statement. 7. Write a program to calculate factorial of given integer value using recursive functions .	—	Teaching Practical	04 01	Yes	—	Assignment	01	Yes	—	
8	January 3rd Week	04 02	Introduction – Declaration of Arrays – Accessing elements of the Array – Storing Values in Array– Operations on Arrays. 8. Write a program for multiplication of two N X N matrices.	—	Teaching Practical	04 02	Yes	—	—	—	—	—	

9	January 4th Week	04 02	one dimensional, two dimensional and multi dimensional arrays, character handling and strings. 9. Write a program to perform various string operations.	—	Teaching Practical 1st mid exam	04 01 01	Yes	—	—	—	—	—	—	.
10	February 1st Week	04 02	Introduction – using functions – Function declaration/ prototype – Function definition – function call – return statement. 10. Write a program to search an element in a given list of values.	—	Teaching Practical	04 02	Yes	—	—	—	—	—	—	-
11	February 2nd Week	04 02	Passing parameters – Scope of variables – Storage Classes – Recursive functions. Introduction – Nested Structures – Arrays of Structures . 11. Write a program to sort a given list of integers in ascending order.	—	Teaching Practical	04 01	Yes	—	—	—	—	—	—	—
12	February 3rd Week	04 02	Structures and Functions– Union – Arrays of Unions Variables – Unions inside Structures – Enumerated Data Types.. 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	—	Teaching Practical	04 01	Yes.	—	Quiz	01	Yes	—	—	-

			e. Net Salary = Gross Salary – Deduction										
13	February 4th Week	04 02	Understanding Computer Memory – Introduction to Pointers – declaring Pointer Variables – Pointer Expressions and Pointer Arithmetic – Null Pointers - Passing Arguments to Functions using Pointer 13. Write a program to illustrate pointer arithmetic		Teaching practical	04 01	Yes	—	Quiz	01	Yes	—	
14	March 1st Week	04 02	Pointer and Arrays – Memory Allocation in C Programs – Memory Usage – Dynamic Memory Allocation – Drawbacks of Pointers . Introduction to Files – Using Files in C 14. Write a program to read the data character by character from a file.		Teaching Practical	04 01	Yes	—	Student seminar	01	Yes	—	
15	March 2nd Week	04 02	Reading Data from Files – Writing Data to Files – Detecting the End-of-file – Error Handling during File Operations – Accepting Command Line Arguments 15. Write a program to create ***Book (ISBN, Title, Author, Price, Pages, Publisher***		Teaching Practical	04 02	Yes	—	—	—	—	—	
16.	March 3rd Week-	04 02	REVISION		Teaching Practical	04 02	Yes	—	—	—	—	—	

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B. [illegible]
Signature of the Dept. I/c

Signature of the Principal

SVRK GOVERNMENT DEGREE COLLEGE :: NIDADAVOLE

TABLE – A – CURRICULAR PLAN – LECTURER WISE

NAME OF THE LECTURER : SOUJANYA BHUKYA
DEPARTMENT : COMPUTER SCIENCE
CLASS : Ist B.SC (MPCS)
YEAR: 2021-2022
SEMESTER : IInd SEM

SERIAL NUMBER	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	ADDITIONAL INPUT /VALUE ADDITION	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITIY				REMARKS
					ACTIVITY	HOURS ALLOTED	WHETHER CONDUCTED	IF NOT, ALTERNATIV E DATE	ACTIVITY	HOURS ALLOTED	WHETHER CONDUCTED	IF NOT, ALTERNATIV E DATE	
	2	3	4	5	6	7	8	9	10	11	12	13	14
1	May 2022 2nd Week	4 2	Introduction to the Theory of Data Structures, Data Representation, Abstract Data Types, Data Types, Primitive Data Types, Data Structure and Structured Type a. Write a program to read 'N' numbers of elements into an array and also perform the following operation on an array i. Add an element at the begging of an array ii. Insert an element at given index of array iii. Update a element using a values and index iv. Delete an existing element		Teaching Practical	03. 02.			Quiz Student Seminar.	01			

2	May 2022 3rd Week	4 2	Atomic Type, Difference between Abstract Data Types, Data Types, and Data Structures, Refinement Stages. Software Engineering, Program Design, Algorithms. b. Write a program using stacks to convert a given i. postfix expression to prefix ii. prefix expression to postfix iii. infix expression to postfix		Teaching Practical	4 2.							
3	May 2022 4th Week	4 2	Different Approaches to Designing an Algorithm, Complexity, Big 'O' Notation, Algorithm Analysis, Structured Approach to Programming, Recursion, Tips and Techniques for Writing Programs in 'C'. c. Write Programs to implement the Stack operations using an array		Teaching Practical	4 2.							

4	JUNE 2022 1st Week	4 2	Introduction to Linear and Non- Linear Data Structures, One-Dimensional Arrays, Array Operations, Two- Dimensional arrays, Multidimensional Arrays d. Write Programs to implement the Stack operations using Liked List.		Teaching Practical	4 2.							
5	JUNE 2022 2nd Week	4 2	Pointers and Arrays, an Overview of Pointers. Introduction to Lists and Linked Lists, Dynamic Memory Allocation, Basic Linked List Operations e. Write Programs to implement the Queue operations using an array.		Teaching practical	3 2			Assign ment	01.			
6	JUNE 2022 3rd Week	4 2	Doubly Linked List, Circular Linked List, Atomic Linked List, Linked List in Arrays, Linked List versus Arrays. f. Write Programs to implement the Queue operations using Liked List.		Teaching practical	4 2.							

7	JUNE 2022 4th Week	4 2	Introduction to Stacks, Stack as an Abstract Data Type, Representation of Stacks through Arrays g. Write a program for arithmetic expression evaluation.		Teaching practical	03 02			Student seminar	01			
8	JUNE 2022 5th Week	4 2	Representation of Stacks through Linked Lists, Applications of Stacks, Stacks and Recursion. Introduction, Queue as an Abstract data Type h. Write a program for Binary Search Tree Traversals		Teaching practical	03 02			Student seminar	01			
9	JULY 2022 1st Week	4 2	Representation of Queues, Circular Queues, Double Ended Queues-Deques, Priority Queues, Application of Queues. i. Write a program to implement dequeues using a doubly linked list.		Teaching practical	04 02							

10	JULY 2022 2nd Week	4 2	Introduction to Non- Linear Data Structures, Introduction Binary Trees, Types of Trees j. Write a program to search an item in a given list using the following Searching Algorithms i. Linear Search ii. Binary Search.		Teaching Practical	03 02			Quiz	01			
11	JULY 2022 3rd Week	4 2	Basic Definition of Binary Trees, Properties of Binary Trees, Representation of Binary Trees, Operations on a Binary Search Tree k. Write a program for implementation of the following Sorting Algorithms i. Bubble Sort ii. Insertion Sort iii. Quick Sort		Teaching Practical	03 02			Student Seminar	01			

12	JULY 2022 4th Week	4 2	Binary Tree Traversal, Counting Number of Binary Trees. Applications of Binary Tree. l. Write a program for polynomial addition using single linked list		Teaching practical	04 02							
13	August 2022. 1st Week	4 2	Sorting – An Introduction, Bubble Sort, Insertion Sort, Merge Sort, Searching – An Introduction, Linear or Sequential Search m. Write a program to find out shortest path between given Source Node and DestinationNode in a given graph using Dijkstrar's algorithm.		Teaching practical	03 02			Group Discussion	01.			
14	AUGUST 2022 2nd Week	4 2	Binary Search, Indexed Sequential Search. Introduction to Graphs. Terms Associated with Graphs. n. Write a program to implement Depth First Search graph traversals algorithm		Teaching practical	04 02							

15	AUGUST 2022 3rd Week	4 2	Sequential Representation of Graphs, Linked Representation of Graphs, Traversal of Graphs, Spanning Trees, Shortest Path, Application of Graphs. o. Write a program to implement Breadth First Search graph traversals algorithm		Teaching practical	03 02			Student Seminar	01			

SIGNATURE OF THE LECTURER

SIGNATURE OF THE HEAD OF THE DEPARTMENT

SIGNATURE OF THE PRINCIPAL

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SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAVOLE
TABLE-A -CURRICULAR PLAN - LECTURER WISE

Department: COMPUTER SCIENCE **Year:** 2021-2022

Name of the Lecturer: SOUJANYA BHUKYA **Class:** II B. Sc (M.P.CS) SEM - III. **Paper:** III DBMS

Serial Number	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	Activity	Hours allotted	Whether conducted	If not Alternate date	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	November 3rd Week	04 02	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	04 02	Yes	—	—	—	—	—	
2	November 4th Week	04 02	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	04 02	Yes	—	—	—	—	—	
3	December 1st Week	04 02	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	04 04	Yes	—	Student Seminar	01	Yes	—	

4	December 2nd Week	04 02	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	04 02	Yes	—	—	—	—	—
5	December 3rd Week	04 02	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	04 02	Yes	—	—	—	—	—
6	December 4th Week	04 02	generalization and specialization, IS A relationship and attribute inheritance, multiple inheritance, constraints on specialization and generalization, advantages of ER modelling. 11. Retrieve the names of all employees who do not have supervisors 12. Retrieve SSN and department name for all employees		Teaching Practical	04 01	Yes	—	Student Seminar	01	Yes	—
7	December 5th Week	04 02	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 Mid Exam	04 01 01	Yes	—	—	—	—	—

8	January 1st Week	04 02	relational algebra operations, advantages of relational algebra, limitations of relational algebra, 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	04 01	Yes	—	Assignment	01	Yes	—	—
9	January 3rd Week	04 02	Tuple relational calculus, domain relational Calculus (DRC), Functional dependencies and normal forms up to 3rd normal form. 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	04 02	Yes	—	—	—	—	—	—
10	January 4th Week	04 02	Introduction, History of SQL Standard, Commands in SQL, Data Types in SQL, 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	04 01	Yes	—	Quiz	01	Yes	—	

11	February 1st Week	04 02	Data Definition Language, Selection Operation, Projection Operation, Aggregate functions, 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	04 01	Yes	—	Group Discussion	01	Yes	—	—
12	February 2nd Week	04 02	Data Manipulation Language, 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	04 OR	Yes	—	—	—	—	—	—
13	February 3rd Week	04 02	Introduction, Shortcomings of SQL, Structure of PL/SQL, PL/SQL Language Elements, Data Types, Operators Precedence, Control Structure. 24. Select the names of employees whose salary is greater than the average salary of all employees in department 10.		Teaching Practical	04 01	Yes	—	Quiz.	01	Yes	—	—
14	February 4th Week	04 02	Steps to Create a PL/SQL, Program, Iterative Control, Procedure, Function. 25. Delete all dependents of employee whose *ssn is '123456789'*.		Teaching Practical	04 01	Yes		Guest Lecture.	01	Yes	—	—

15	March 1st Week	04 02	Database Triggers, Types of Triggers. Database Triggers, Types of Triggers. 26. Perform a query using alter command to drop/add field and a constraint in Employee table		Teaching Practical	04 02	Yes	—	—	—	—	—	
16.	March 2nd Week	04 02	REVISION		Teaching Practical	04 02	Yes	—	—	—	—	—	

Signature of the Lecturer

Signature of the Dept. I/c

Signature of the Principal

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SVRK GOVERNMENT DEGREE COLLEGE :: NIDADAVOLE

TABLE – A – CURRICULAR PLAN – LECTURER WISE

NAME OF THE LECTURER : SOUJANYA BHUKYA DEPARTMENT : COMPUTER SCIENCE

CLASS : IInd B.SC (MPCS) YEAR: 2021-2022 SEMESTER : IVth SEM

SERIAL NUMBER	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	ADDITIONAL INPUT /VALUE ADDITION	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITIY				REMARKS
					ACTIVITY	HOURS ALLOTED	WHETHER CONDUCTED	IF NOT, ALTERNATIVE DATE	ACTIVITY	HOURS ALLOTED	WHETHER CONDUCTED	IF NOT, ALTERNATIVE DATE	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	May 2022 1st Week	4	Features of Java, The Java virtual Machine, Parts of Java Naming Conventions in Java, Data Types in Java, Literals Operators, Priority of Operators.		Teaching	4	yes	–	–	–	–	–	
		2	1. Write a program to read *Student Name, Reg.No, Marks[5]* and calculate *Total,Percentage, Result.* Display all the details of students		practical	1	yes	–	Quiz	01	yes	–	–

2	May 2022 2nd Week	4 2	if... else Statement, do... while Statement, while Loop, for Loop, switch Statement, break Statement, continue Statement, return Statement. Accepting Input from the Keyboard, Reading Input with Java.util.Scanner Class 2. Write a program to perform the following String Operations a. Read a string b. Find out whether there is a given substring or not c. Compare existing string by another string and display status d. Replace existing string character with another character e. Count number of works in a string		Teaching practical	03 02	yes yes	— —	Brain storming	01	yes	—	
3	May 2022 3rd Week	4 2	Displaying Output with System.out.printf(), Displaying Formatted Output with String.format(). Arrays: Types of Arrays, Three Dimensional Arrays (3D array), array name. length, Command Line Arguments 3. Java program to implements Addition and Multiplication of two N X N matrices.		Teaching practical	03 02	yes yes	— —	Assign ment	01	yes	—	

4	May 2022 4th Week	4 2	Creating Strings, String Class Methods, String Comparison, Immutability of Strings.Problems in Procedure Oriented Approach, Features of Object- Oriented Programming System (OOPS). 4. Java program to demonstrate the use of Constructor.	Teaching practical	03 02	yes yes	– –	Studed seminar	01	Yes	–	–	
5	JUNE 2022 1st Week	4 2	Object Creation, Initializing the Instance Variables, Access Specifiers,Constructors.: Method Header or Method Prototype, Method Body, Understanding Methods, Static Methods. 5. Calculate area of the following shapes using method overloading. a. Triangle b. Rectangle c. Circle d. Square		Teachey practical 1ST MID EXAM	03 02 01	yes yes yes	–	–	–	–	–	–

6	JUNE 2022 2nd Week	4 2	Static Block, The keyword 'this', Instance Methods, Passing Primitive Data Types to Methods, Passing Objects to Methods, Passing Arrays to Methods, Recursion, Factory Methods.Inheritance, The keyword 'super', The Protected Specifier, Types ofInheritance. 6. Implement inheritance between Person (Aadhar, Surname, Name, DOB, and Age)and Student (Admission Number, College, Course, Year)classes where ReadData(),DisplayData() are overriding methods.		Teaching practical	03 02	yes yes	— —	Group Discussion	01	yes	—	
7	JUNE 2022 3rd Week	4 2	Polymorphism with Variables, Polymorphism using Methods, Polymorphism with Static Methods, Polymorphism with Private Methods, Polymorphism with Final Methods, final Class. 7. Java program for implementing Interfaces.		Teaching practical	03 02	yes yes	— —	quiz Student seminar	01		yes	—

8	JUNE 2022 4th Week	4 2	Types of Data Types, Casting Primitive Data Types, Casting Referenced DataTypes,The Object Class. Abstract Method and Abstract Class. Interface, Multiple Inheritance using Interfaces. 8. Java program on Multiple Inheritances.		Teaching practical	03 02	yes yes	Student seminar	01	yes	—		
9	JULY 2022 1st Week	4 2	Package, Different Types of Packages, The JAR Files, Interfaces in a Package, Creating Sub Package in a Package, Access Specifies in Java, Creating API Document. Errors in Java Program, Exceptions, throws Clause, throw Clause, Types of Exceptions, Re – throwing an Exception. 9. Java program for to display *Serial Number from 1 to N* by creating two Threads		Teaching practical 2ND MID EXAM	04 01 01	yes yes yes	— — —	— — —	— — —	— — —	— — —	

10	JUNE 2022 5TH Week	4 2	Stream, Creating a File using FileOutputStream, Reading Data from a File uingFileInputStream, Creating a File using File Writer, Reading a File using File Reader, Zipping and Unzipping Files, Serialization of Objects, Counting Number of Characters in a File, File Copy. 10. Java program to demonstrate the following exception handlings e. Divided by Zero f. Array Index Out of Bound g. File Not Found h. Arithmetic Exception i. User Defined Exception		Teaching practical	3	yes	-	Student seminar	01	Yes	—	

11	JULY 2022 2nd Week	4 2	Single Tasking, Multi Tasking, Uses of Threads, Creating a Thread and Running it, Terminating the Threads, Single Tasking Using a Thread, Multi Tasking Using Threads, Multiple Threads Acting on Single Object, Thread Class Methods, Deadlock of Threads, Thread Communication. 11. Create an Applet to display different shapes such as Circle, Oval, Rectangle, Square and Triangle. 12. write a program to create Book structure and store Book details in a file and perform operations on it.		Teaching practical	3 2	yes yes	– –	Student seminar	01	Yes	–	

13	JULY 2022 3rd Week	4 2	Animation in Applets, A Simple Game with an Applet, Applet Parameters. Database Servers, Database Clients, JDBC (Java Database Connectivity), Working with Oracle Database, Working with MySQL Database, Stages in a JDBC Program, Registering the Driver		Teaching practical	04 01			Student Seminar	01			
14	JULY 2022 4th Week	4 2	Connecting to a Database, Preparing SQL Statements, Using jdbc–odbc Bridge Driver to Connect to Oracle Database, Retrieving Data from MySQL Database, Retrieving Data from MS Access Database, Stored Procedures and Callable Statements, Types of Result Sets.		Teaching practical				Group Discussion Quiz	01			

SIGNATURE OF THE LECTURER

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SIGNATURE OF THE PRINCIPAL

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SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAVOLE
TABLE-B -CURRICULAR PLAN - LECTURER WISE

Department: COMPUTER SCIENCE **Year:** 2021-2022

Name of the Lecturer: M.VEERA KALYANI **Class:** II BSC(MPCS) SEM-IV **Paper:** IV B OPERATING SYSTEMS

Serial Number	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	Activity	Hours allotted	Whether conducted	If not Alternate date	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	May 1st Week	04 02	What is Operating System? History and Evolution of OS, Basic OS functions, Resource Abstraction,. 1. Write a program to implement Round Robin CPU Scheduling algorithm	https://www.javatpoint.com/types-of-operating-systems	Teaching Practical	04 02	Yes						
2	May 2nd Week	04 02	Types of Operating Systems– Multiprogramming Systems, Batch Systems, Time Sharing Systems. 2. Simulate SJF CPU Scheduling algorithm		Teaching Practical	04 02	Yes						
3	May 3rd Week	04 02	Operating Systems for Personal Computers, Workstations and Hand-held Devices, Process Control & Real time Systems. 3. Write a program the FCFS CPU Scheduling algorithm	https://www.javatpoint.com/os-cpu-scheduling	Teaching Practical	04 02	Yes		Assignment				
4	May 4th Week	04	Processor and User Modes, Kernels, System Calls and System Programs, System View of the Process and Resources.		Teaching	04							

		02	4. Write a program to Priority CPU Scheduling algorithm		Practical	02	Yes						
5	June 1st Week	04 02	Process Abstraction, Process Hierarchy, Threads,Threading Issues, Thread Libraries. 5. Simulate Sequential file allocation strategies		Teaching Practical	04 02	Yes	–					
6	June 2nd Week	04 02	Process Scheduling, Non-Preemptive and Preemptive Scheduling Algorithms. 6. Simulate Indexed file allocation strategies		Teaching Practical	04 02	Yes						
7	June 3rd Week	04 02	Deadlock, Deadlock Characterization, Necessary andSufficient Conditions for Deadlock, Deadlock Handling Approaches: Deadlock Prevention. 7. Simulate Linked file allocation strategies	https://www.javatpoint.com/os-deadlocks-introduction	Teaching Practical	04 02	Yes	–	Yoga day celebration				
8	June 4th Week	04 02	Deadlock Avoidance and Deadlock Detection and Recovery. Concurrent and Dependent Processes, Critical Section, Semaphores. 8. Simulate MVT and MFT memory management techniques	https://www.javatpoint.com/os-resource-allocation-graph	Teaching Practical	04 02	Yes	–	Assignment				
9	June 5th week	04 02	Methods for Inter- process Communication; Process Synchronization, Classical Process Synchronization Problems: Producer-Consumer, Reader-Writer. 9. Simulate Single level directory File organization techniques		Teaching Practical	04 02	Yes	–					
10	July 1st week	04 02	Memory Management: P: Physical and Virtual Address Space; MemoryAllocation Strategies. 10. Simulate Two level File organization echniques		Teaching Practical	04 02	Yes	– –	Mid-I				

11	July 2nd week	04 02	Fixed and -Variable Partitions, 11. Simulate Hierarchical File organization techniques		Teaching Practical	04 02	Yes	–					
12	July 3rd week	04 02	Paging, Segmentation, Virtual Memory 12. Write a program for Bankers Algorithm for Dead Lock Avoidance	https://www.javatpoint.com/page-vs-block-in-operating-system	Teaching Practical	04 02	Yes	–					
13	July 4th week	04 02	File and I/O Management, OSsecurity : Directory Structure, File Operations, File Allocation Methods, Device Management. 13. Implement Bankers Algorithm Dead Lock Prevention.		Teaching Practical	04 02	Yes	–	Assignment				
14	August 1st week	04 02	Pipes. Buffer, Shared Memory, Security Policy Mechanism, Protection, Authentication and Internal Access Authorization Introduction to Android Operating System. 14. Simulate all Page replacement algorithms. a) FIFO b) LRU c) LFU		Teaching Practical	04 02	Yes	–					

15	August 2nd week	04 02	Android Development Framework, Android Application Architecture, Android Process Management and File System, Small Application Development using Android Development Framework. 15. Simulate Paging Techniques of memory management	javatpoint.com/android-operating-system	Teaching Practical	04 02	Yes	–	Mid-II				
16	August 3rd week	04 02	REVISION		Teacing practical	04 02	Yes						

M.V Kalyani
Signature of the Lecturer

B. L
Signature of the Dept. I/c

Signature of the Principal

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SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAVOLE
TABLE-A -CURRICULAR PLAN - LECTURER WISE

Department: COMPUTER SCIENCE **Year:** 2021-2022

Name of the Lecturer: SOUJANYA BHUKYA **Class:** III B. Sc (M.P.CS) SEM-V. **Paper:** V DBMS

Serial Number	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	Activity	Hours allotted	Whether conducted	If not Alternate date	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	October 1st Week	03 02	Introduction, file-based system, Drawbacks of file-Based System ,Data and information, Database, Database management System, Objectives of DBMS, Evaluation of Database management System, How to draw ER Diagrams		Teaching Practical	03 02	Yes	—					
2	October 3rd Week	03 02	Classification of Database Management System, DBMS Approach, advantages of DBMS, Database Architecture. 1.Draw ER diagrams for train services in a railway station		Teaching Practical	03 02	Yes	—					
3	October 4th Week	03	data models, Components and Interfaces of Database Management System. Situations where DBMS is not Necessary		Teaching	03	Yes	—					

		02	2. Draw ER diagram for hospital administration		Practical	01	Yes	–	Quiz	01	Yes	–	
4	November 1st Week	03 02	Introduction, the building blocks of an entity relationship diagram, classification of entity sets, attribute classification, relationship degree, , advantages of ER modeling. 3. Creation of college database and establish relationships between tables		Teaching Practical	03 02	Yes	–					
5	November 2nd Week	03 02	relationship classification, reducing ER diagram to tables, enhanced entity-relationship model (EER model), generalization and specialization, IS A relationship 4. Write a view to extract details from two or more tables		Teaching Practical	03 01	Yes	–	Assignment	01	Yes	–	
6	November 3rd Week	03 02	attribute inheritance,multiple inheritance, constraints on specialization and generalization, aggregation and composition, entity clusters, connection types. 5. Write a stored procedure to process students results		Teaching Practical	03 02	Yes	–					
7	November 4th Week	03 02	Introduction, CODD Rules, relational data model, concept of key, relational integrity. 6. Write a program to demonstrate a function		Teaching Practical Mid Exam.	03 01 01	Yes	–					
8	November 5th Week	03 02	relational algebra, relational algebra operations, advantages of relational algebra, limitations of relational algebra,		Teaching	03	Yes	–					

		02.	7. Write a program to demonstrate blocks, cursors& database triggers.		Practical	02	Yes	—				
9	December 1st Week	03 02	Relational calculus, tuple relational calculus, domain relational Calculus (DRC). QBE 8. Write a program to demonstrate Joins 9. Write a program d		Teaching Practical	03 01	Yes	—	Student Seminar	01	Yes	—
10	December 2nd Week	03 02	Introduction, History of SQL Standard, Commands in SQL, Data Types in SQL, Data Definition Language 10. Write a program to demonstrate of Aggregate functions		Teaching Practical	03 01	Yes	—	Assign ment	01	Yes	—
11	December 3rd Week	03 02	Selection Operation, Projection Operation, Aggregate functions, Data Manipulation Language, Table Modification Commands, Table Truncation 11. Creation of Reports based on different queries		Teaching Practical	03 02	Yes	—				
12	December 4th Week	03 02	Imposition of Constraints, Join Operation, Set Operation, View, Sub Query, Embedded SQL . 11. Creation of Reports based on different queries		Teaching Practical	03 01	Yes	—	Student Seminar	01	Yes	—

13	January 1st Week	03 02	Introduction, Shortcoming in SQL, Structure of PL/SQL, PL/SQL Language Elements, Data Types 12. Usage of file locking facilities in applications.		Teaching Practical	03 02	Yes	—					
14	January 3rd Week	03 02	Operators Precedence, Control Structure, Steps to Create a PL/SQL, Program, Iterative Control. 12. Usage of table locking, facilities in applications.		Teaching Practical	03 02	Yes	—					
15	January 4th Week	03 02	Cursors, Steps to create a Cursors, Procedure, Function, Packages, Exceptions Handling, Database Triggers, Types of Triggers	1	Teaching practical IInd Mid Exam	03 01 01	Yes	—					
16	February 1st Week	03 02	**Revision**										

Signature of the Lecturer

Signature of the Dept. I/c

Signature of the Principal

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SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAVOLE

TABLE-A -CURRICULAR PLAN - LECTURER WISE

Department: COMPUTER SCIENCE **Year:** 2021-2022

Name of the Lecturer: SOUJANYA BHUKYA **Class:** III B. Sc (M.P.CS) SEM-V **Paper:** VI Software Engineering

Serial Number	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	Activity	Hours allotted	Whether conducted	If not Alternate date	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	October 1st Week	03 02	Software Engineering Process paradigms - Project management Studying various phases of Water-Fall Model.		Teaching Practical	03 02	Yes	—					
2	October 3rd Week	03 02	Process and Project Metrics – software estimation - Empirical estimation models. Studying various phases of Water-Fall Model.		Teaching Practical	03 02	11	—					
3	October 4th Week	03 02	Planning - Risk analysis - Software project scheduling. Prepare SRS for Banking or On line book store domain problem		Teaching practical	03 01	11	—	Quiz	01	Yes	—	
4	November 1st Week	03 02	Requirement Engineering Processes – Feasibility Study . Prepare SRS for On line book store domain problem .		Teaching Practical	03 02	11	—					

5	November 2nd Week	03 02	Problem of Requirements – Software Requirement Analysis. Using COCOMO model estimate effort for Banking domain problem.		Teeding Practical	03 01.	Yes	–	Assign ment.	01	Yes	–	
6	November 3rd Week	03 02	Analysis Concepts and Principles – Analysis Process – Analysis Model Using COCOMO model estimate effort for on line book store domain problem.		Teeding Practical	03 02	11	–					
7	November 4th Week	03 02	Software design - Abstraction – Modularity Calculate effort using FP oriented estimation model		Teeding Practical Ist mid Exam.	03 01 01	Yes	–					
8	November 5th Week	03 02	Software Architecture - Effective modular design - Cohesion and Coupling Analyze the Risk related to the project and prepare RMMM plan.		Teeding Practical	03 02	11	–					
9	December 1st Week	03 02	Architectural design and Procedural Design - Data flow oriented design. Develop Time-line chart and project table using PERT or		Teeding Practical	03 01	Yes	–	Student Seminar	01	Yes	–	
10	December 2nd Week	03 02	User interface design - Human factors CPM project scheduling methods.		Teeding Practical	03 01	11	–	Assign ment	01	Yes		

11	December 3rd Week	03 02	Human computer interaction - Human - Computer Interface design Draw E-R diagram, DFD, CFD and STD for the project.		Teaching Practical	03 02	Yes	–					
12	December 4th Week	03 02	Interface design - Interface standards. Design of the test cases.		Teaching Practical	03 01	Yes	–	Student Seminar.	01	Yes	–	
13	January 1st Week	03 02	Software Quality Assurance - Quality metrics - Software Reliability - Software testing Design of the test cases.		Teaching Practical	03 02	Yes	–					
14	January 3rd Week	03 02	- Path testing – Control Structures testing - Black Box Testing - Integration, Validation and system testing - Reverse Engineering and Reengineering. Prepare FTR. Version control and change control for software configuration item.		Teaching Practical	03 02	Yes	–					
15	January 4th Week	03 02	CASE tools –projects management, tools - analysis and design tools – programming tools - Integration and testing tool - Case studies. Prepare FTR. Version control and change control for software configuration item.		Teaching Practical IInd mid Exam.	03 01 01	Yes	–					
16	February 1st Week	03 02	**Revision**										

Signature of the Lecturer

Signature of the Dept. I/c

Signature of the Principal

SVRK GOVERNMENT DEGREE COLLEGE :: NIDADAVOLE

TABLE – B – CURRICULAR PLAN – ANNOUNCED TO BE STUDENTS

NAME OF THE LECTURER : SOUJANYA BHUKYA
DEPARTMENT : COMPUTER SCIENCE
CLASS : IIIrd B.SC (MPCS)
YEAR: 2021-2022
SEMESTER : VI th SEM

SERIAL NUMBER	MONTH & WEEK	HOURS AVAILABLE	SYLLABUS TOPIC	ADDITIONAL INPUT /VALUE ADDITION	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITIY		REMARKS
					ACTIVITY	HOURS ALLOTED	WHETHER CONDUCTED	IF NOT, ALTERNATIV E DATE	ACTIVITY	HOURS ALLOTED	
	2	3	4	5	6	7	8	9	10	11	12
1	April 2022 3rd Week	03 03	Basic HTML, Document body, Text, Hyper links, adding more formatting, Lists 1. Write a HTML program illustrating text formatting. 2. Illustrate font variations in your HTML code.		Teaching Practical	03 03.					
2	April 2022 4th Week	03 03	Tables using images. More HTML: Multimedia objects, Frames. 3. Prepare a sample code to illustrate links between different sections of the page. 4. Create a simple HTML program to illustrate three types of lists.		Teaching Practical	03 02.			Quiz	01.	

3	May 2022 1st Week	03 03	Forms towards interactive, HTML document heading detail. Cascading Style Sheets: Introduction, using Styles. 5. Embed a calendar object in your web page. 6. Create an applet that accepts two numbers and perform all the arithmetic operations on them.		Teaching practical	03 02			Brain storm	01	
4	May 2022 2nd Week	03 03	CSS: simple examples, your own styles, properties and values in styles. 7. Create nested table to store your curriculum. 8. Create a form that accepts the information from the subscriber of a mailing system.		Teaching Practical 1ST MID EXAM	03 01 01					
5	May 2022 3rd Week	03 03	Style sheet, formatting blocks of information, layers. 9. Design the web page with different properties 11. Using "table" tag, align the images		Teaching Practical	03 02			Quiz	01	

6	May 2022 4th Week	03 03	Introduction to JavaScript: What is DHTML, JavaScript, basics, variables, string manipulations. Divide the web page Design the page with image tag		Teaching Practical	03 02			student seminar	01	
7	June 2022 1st Week	03 03	Mathematical functions, statements, operators, arrays, functions. . 14. Illustrate the horizontal rulers in your page. 15. Create a help file		Teaching Practical	03 02			Assignment	01	
8	June 2022 2nd Week	03 03	Objects in JavaScript: Data and objects in JavaScript, regular expressions, exception handling 16. Create a form using form tags (assume the form and fields). 17. Create a webpage containing your biodata (assume the form and fields).		Teaching Practical	03 02			Group Discuss	01	
9	June 2022 3rd Week	03 03	DHTML with JavaScript: Data validation, opening a new window, messages and confirmations. 18. Write a html program including style sheets.		Teaching practical 2ND MID EXAM	03 02 01					

10	June 2022 4th Week	03 03	The status bar, different frames, rollover buttons, moving images. 20. Write a html program to layers of information in web page.		Teaching practical	03 02			Student seminar	01	
11	June 2022 5th Week	03 03	XML: defining data for web applications, basic XML, Document type definition. Create a Static webpage		Teaching practical	03 02			Student seminar	01	
12	July 2022 1st Week	03 03	Presenting XML, document object model. Web Services		Teaching practical	03 02			Quiz	01	
13	July 2022 2nd Week	03 03	REVISION		Teaching practical	03 02			Revision test	01	

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SIGNATURE OF THE LECTURER

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SIGNATURE OF THE HEAD OF THE DEPARTMENT

SIGNATURE OF THE PRINCIPAL