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

Department: COMPUTER SCIENCE

Name of the Lecturer: SOUJANYA BHUKYA

Year: 2021-2022

Class: I.B. Sc (M.P.CS)

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	3. Write a program to generate the first n terms of the Fibonacci sequence.	Structured Programming Language- Design and Implementation of Correct, Efficient and Maintainable Programs.	Programming Languages. 2. Write a program to find the sum of individual digits of a positive integer.	Algorithm - Key features of Algorithms, Flow Charts, Programming Languages - Generations of	1. Write a program to check whether the given number is Armstrong or not.	computers, applications of computers, types of computers, computer generations.	Introduction to computers: Block diagram of a computer, characteristics and limitations of	4	Syllabus Topic (as per the university)	
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	January 3rd Week	January 1 st Week	December 5th Week	December 4th Week	December 3rd Weck
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	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.	Nested Loops – Break and Continue Statement – Goto Statement. 7. Write a program to calculate factorial of given integer value using recursive functions.	Introduction to Decision Control Statements—Conditional Branching Statements—Iterative Statements. 6. Write a program that uses functions to add two matrices.	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.	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.
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February 3rd Week		Week			February 1 st Week			January 4th Week	
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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	Structures and Functions- Union - Arrays of Unions Variables - Unions inside Structures -	11. Write a program to sort a given list of integers in ascending order.	Passing parameters – Scope of variables – Storage Classes – Recursive functions. Introduction – Nested Structures – Arrays of Structures .		10. Write a program to search an element in a given list of values.	Introduction – using functions – Function declaration/ prototype – Function definition – function call – return statement.		9. Write a program to perform various string operations.	one dimensional, two dimensional and multidimensional arrays, character handling and strings.
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B. L-Signature of the Lecturer	March 3 ^{td} Week-	March 2 nd Week	March 1 st Week	February 4th Weck	
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Signature of the Dept. 1/c	REVISION	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	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.	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	e. Net Salary = Gross Salary - Deduction
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SVRK GOVERNMENT DEGREE COLLEGE :: NIDADAVOLE TABLE - A - CURRICULAR PLAN - LECTURER WISE

Hnd SEM	 SEMESTER	YEAR: 2021-2022	CLASS : 1st B.SC (MPCS)	CLASS
COMPUTER SCIENCE	 DEPARTMENT	: SOUJANYA BIIUKYA	NAME OF THE LECTURER	AME OF

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iii. Update a element using a values and indexiv. Delete an existing element	ii. Insert an element at given index of array	i. Add an element at the begging of an array	and also perform the following operation on an array	a. Write a program to read 'N' numbers of elements into an array	Structure and Structured Type	Abstract Data Types, Data Types, Primitive Data Types, Data	Introduction to the Theory of Data Structures, Data Representation,	4	SYLLABUS TOPIC	
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Atomic Type, Difference between Abstract Data Types, Data Types, and Data Structures, Refinement Stages, Software Engineering, And Program Design, Algorithms. 2022 b. Write a program using stacks to convert a given i. postfix expression to postfix ii. prefix expression to postfix iii. infix expression to postfix iii. infix expression to postfix Different Approaches to Designing an Algorithm, Complexity, Big. O' Nay 2022 4 Notation, Algorithm Analysis, Structured Approach to Programming, 4 Recursion, Tips and Techniques for Writing Programs to implement the Stack operations using an array Roated 2. C. Write Programs to implement the Stack operations using an array	Atomic Type, Difference between Abstract Data Types, Data Types, and Data Structures, Refinement Stages, Software Engineering, May Program Design, Algorithms. 2022 b. Write a program using stacks to convert a given j rd Week i. postfix expression to prefix ii. prefix expression to postfix iii. infix expression to postfix iii. infix expression to postfix Different Approaches to Designing an Algorithm, Complexity, Big 'O' May 2022 4 Notation, Algorithm Analysis, Structured Approach to Programming, 4 th Week 2 Recursion, Tips and Techniques for Writing Programs to implement the Stack operations using an array c. Write Programs to implement the Stack operations using an array
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 Officent Approaches to Designing an Algorithm, Complexity, Big 'O' Notation, Algorithm Analysis, Structured Approach to Programming, Recursion, Tips and Techniques for Writing Programs to implement the Stack operations using an array c. Write Programs to implement the Stack operations	Atomic Type, Difference hetween Abstract Data Types, Data Types, and Data Structures, Refinement Stages. Software Engineering. 4 Program Design, Algorithms. 2 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 Officent Approaches to Designing an Algorithm, Complexity, Big 'O' Notation, Algorithm Analysis, Structured Approach to Programming, Recursion, Tips and Techniques for Writing Programs to implement the Stack operations using an array c. Write Programs to implement the Stack operations
Practice 4 Practice 4 Practice 4	Practice 2.

JUNE 2022 4 Dimensional Arrays, Array Operations, Two-Dimensional arrays, 4 I "Week 2 Multidimensional Arrays Operations, Two-Dimensional arrays, 4 A Vide Programs to implement the Stack operations using Liked 4 Lists. Pointers and Arrays, and Overview of Fointers, Introduction to Lists 2 Meek 2 Operations 4 C. Write Programs to implement the Queue operations using an arrays. 5 Process 6 Operation 6 June 2022 4 Doubly Linked List, Circular Linked List, Atomic Linked List, 7 Week 2 Linked List in Arrays, Linked List, atomic Linked List, 2 Linked List in Arrays, Linked List, atomic Linked List, 3 Linked List in Arrays, Linked List, atomic Linked List, 4 Linked List in Arrays, Linked List, atomic Linked List, 5 Linked List in Arrays, Linked List, atomic Linked List, 6 June 2022 6 Linked List in Arrays, Linked List, atomic Linked List, 7 Week 2 Linked List in Arrays, Linked List, atomic Linked List, 6 June 2022 6 Linked List in Arrays, Linked List, atomic Linked List, 7 Operation 7 Operatio			
Introduction to Linear and Non-Linear Data Structures, One- Dimensional Arrays. Array Operations, Two-Dimensional arrays. List. A Write Programs to implement the Stack operations using Liked List. Pointers and Arrays, an Overview of Pointers. Introduction to Lists and Linked Lists, Dynamic Memory Allocation, Basic Linked List Operations C. Write Programs to implement the Queue operations using an array. Doubly Linked List, Circular Linked List, Atomic Linked List. Linked List in Arrays, Linked List versus Arrays. Linked List in Arrays and Non-Linked List versus Arrays. Couching 3 A Sign Ment by Caching 4 Linked List in Arrays, Linked List versus Arrays. Linked List in Arrays, Linked List versus Arrays. List. Opathol 2.	•	, on	
Dimensional Arrays. Array Operations, Two-Dimensional arrays, Multidimensional Arrays d. Write Programs to implement the Stack operations using Liked List. Pointers and Arrays, an Overview of Pointers. Introduction to Lists Pointers and Arrays, an Overview of Pointers. Introduction to Lists Operations Operations C. Write Programs to implement the Queue operations using an array. Doubly Linked List, Circular Linked List, Atomic Linked List, Linked List in Arrays, Linked List versus Arrays. L. Write Programs to implement the Queue operations using Liked List. Operations Operatio	JUNE 2022 3 rd Week	JUNE 2022 2 nd Week	JUNE 2022 I" Week
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2. 4 2. 4 ment	Doubly Linked List, Circular Linked List, Atomic Linked List, Linked List in Arrays, Linked List versus Arrays. L Write Programs to implement the Queue operations using Liked List.	Pointers and Arrays, an Overview of Pointers. Introduction to Lists and Linked Lists, Dynamic Memory Allocation, Basic Linked List Operations c. Write Programs to implement the Queue operations using an array.	Introduction to Linear and Non-Linear Data Structures, Onc- Dimensional Arrays, Array Operations, Two-Dimensional arrays, Multidimensional Arrays d. Write Programs to implement the Stack operations using Liked List.
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Representation of Queues, Circular Queues, Double Ended Queues- Deques, Priority Queues, Application of Queues. L. Write a program to implement dequeues using a doubly linked list.	Representation of Stacks through Linked Lists, Applications of Stacks, Stacks and Recursion, Introduction, Queue as an Abstract data Type b. Write a program for Binary Search Tree Traversals	Introduction to Stacks, Stack as an Abstract Data Type, Representation of Stacks through Arrays g. Write a program for arithmetic expression evaluation.
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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 L. Linear Search II. Binary Search. Basic Definition of Binary Trees, Properties of Binary Trees, Basic Definition of Binary Trees, Operations on a Binary Search Tree L. Write a program for implementation of the following Sorting L. Write a program for implementation of the following Sorting J. Bushibe Sort II. Dutch Sort III. Quick Sort	S. Week	JULY 2022	JULY 2022 Syrthveek	
Non-Linear Data Structures, Introduction Binary Trees Trees Trees Thus In the search an item in a given list using the following prooffal o 2. Thus the binary Trees, Properties of Binary Trees, of Binary Trees, Operations on a Binary Search Tree raun for Implementation of the following Sorting Prooffal O2. Servings 1			2 4	
Quiz Quiz Seminar	Agorinms L. Bubble Sort H. Insertion Sort HI. Quick Sort	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	Trees, Types of Trees j. Write a program to search an item in a given list using the following Scarching Algorithms i. Linear Search ii. Binary Search.	Introduction to Non- Linear Data Structures, Introduction Binary
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Binary Search, Indexed Sequential Search. Introduction to Graphs. Terms Associated with Graphs. n. Write a program to implement Depth First Search graph traversals algorithm	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.	Binary Tree Traversal, Counting Number of Binary Trees, Applications of Binary Tree. 1. Write a program for polynomial addition using single linked list
Teaching practical	Practical 02	Teaching ou
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traversals algorithm	o. Write a program to Implement Breadth First Search graph		Application of Graphs.	Graphs, Traversal of Graphs, Spanning Trees, Shortest Path,	Secured at Representation of Green, Linked Representation of
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SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAVOLE TABLE-A -CURRICULAR PLAN - LECTURER WISE

Department: COMPUTER SCIENCE

Name of the Lecturer: SOUJANYA BHUKYA Year: 2021-2022

Class: II B. Sc (M.P.CS) SEM-III.

Paper: III DBMS

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Week	December I ⁿ Week		November		November 3 rd Week	2		Week
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6. Retrieve the name and salary of every employee	Components of Database Management System, three schema architecture of data base, costs and risks of database approach.	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.	database approach, Classification of Database Management Systems, advantages of database approach, Various Data Models.	1. Create above tables with relevant <i>Primary Key</i> , Foreign Key and other constraints 2. Populate the tables with data	Introduction to data, information, database, database management systems, file-based system, Drawbacks of file-Based System.	4	Syllabus Topic (as per the university)	
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	December 5th Week	December 4th Week	December 3rd Week	December 2nd Week
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	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.	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	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)	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'
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January 4th Week	January 3rd Week	January 1 st Week
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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.	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.	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
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February 4th Week	February 3rd Week	February 2nd Week	February 1 ^s Week
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Steps to Create a PL/SQL, Program, Iterative Control, Procedure, Function. 25. Delete all dependents of employee whose ssn is '123456789'.	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.	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.	Projection Operation, Aggregate functions, 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.
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March 2 nd Week	Week	March 1 st
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Signature of the Principal

SYRK GOVERNMENT DEGREE COLLEGE :: NIDADAYOLE TABLE - A - CURRICULAR PLAN - LECTURER WISE

NAME OF THE LECTURER

: IInd B.SC (MPCS)

CLASS

SOUJANYA BIJUKYA

YEAR: 2021-2022

DEPARTMENT

COMPUTER SCIENCE

SEMESTER IVth SEM

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Result. Display all the details of students	and calculate Total, Percentage,	1. Write a program to read Student Name, Reg.No, Marks[5]	Priority of Operators.	Conventions in Java, Data Types in Java, Literals Operators,	Features of Java, The Java virtual Machine, Parts of Java Naming	4	SYLLABUS TOPIC		
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3rd Week	May				2nd Week		2022	May		
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name, length, Command Line Arguments 3. Java program to implements Addition and Multiplication of two N X N matrices.	Displaying Output with System.out.printf(), Displaying Formatted Output with String.format(). Arrays: Types of Arrays, Three Dimensional Arrays (3D array), array	e. Count number of works in a string	d. Replace existing string character with another character	c. Compare existing string by another string and display status	b. Find out whether there is a given substring or not	a. Read a string	2. Write a program to perform the following String Operations	Reading Input with Java.util.Scanner Class	Statement, return Statement. Accepting Input from the Keyboard,	switch Statement, break Statement, continue
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	c. Circle d. Square	a. Triangle b. Rectangle	5. Calculate area of the following shapes using method overloading.	Method Body, Understanding Methods, Static Methods.	Specifiers, Constructors.: Method Header or Method Prototype,	Object Creation, Initializing the Instance Variables, Access		4. Java program to demonstrate the use of Constructor.	Features of Object- Oriented Programming System (OOPS).	Immutability of Strings.Problems in Procedure Oriented Approach,	Creating Strings, String Class Methods. String Comparison,
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JUNE 2022 3 rd Week					2 nd Week	2022	JUNE			
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Polymorphism with Static Methods, Polymorphism with Private Methods, Polymorphism with Final Methods, final Class. 7. Java program for implementing Interfaces.	Polymorphism with Variables, Polymorphism using Methods,	overriding methods.	Course, Year)classes where ReadData(),DisplayData() are	Name, DOB, and Age)and Student (Admission Number, College,	6. Implement inheritance between Person (Aadhar, Surname,	Specifier, Types ofInheritance.	Methods.Inheritance, The keyword 'super'. The Protected	Passing Arrays to Methods, Recursion, Factory	Primitive Data Types to Methods, Passing Objects to Methods,	Static Block, The keyword 'this', Instance Methods, Passing
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	2022 1 st Week	ATIOL	2022 4 th Weck	JUNE
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9. Java program for to display Serial Number from 1 to N by creating two Threads	Java, Creating API Document. Errors in Java Program, Exceptions, throws Clause, throw Clause, Types of Exceptions, Re –	Package, Different Types of Packages, The JAR Files, Interfaces in a Package, Creating Sub Package in a Package, Access Specifics in	Abstract Class. Interface, Multiple Inheritance using Interfaces. 8. Java program on Multiple Inheritances.	Types of Data Types, Casting Primitive Data Types, Casting Referenced Data Types, The Object Class. Abstract Method and
2 ND MID EXAM	practical	Teaching	practod	Teaching
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i. User Defined Exception	h. Arithmetic Exception	g. File Not Found	f. Array Index Out of Bound	c. Divided by Zero	10. Java program to demonstrate the following exception handlings		File Copy.	Serialization of Objects, Counting Number of Characters in a File,	Reading a File using File Reader, Zipping and Unzipping Files,	from a File uingFileInputStream, Creating a File using File Writer,	Stream, Creating a File using FileOutputStream, Reading Data
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JULY 2022 4 th Week	2022 3 rd Week	JULY
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Connecting to a Database, Preparing SQL Statements, Using jdbe- odbe 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.	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	Animation in Applets, A Simple Game with an Applet, Applet
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SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAVOLE TABLE-B-CURRICULAR PLAN - LECTURER WISE

Department: COMPUTER SCIENCE

Name of the Lecturer: M.VEERA KALYANI

Year: 2021-2022

Class: II BSC(MPCS) SEM-IV

Paper: IV B OPERATING SYSTEMS

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Wash.		2		Nay 1s Week		May	2nd Week			May	3rd Week		May	4th Week
	Hours available	ω	2	A de la companya de l	02	22	3		20			22	04	
	Syllabus Topic (as per the university)	4	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	Types of Operating Systems- Multiprogramming	Systems, Batch Systems, Time Sharing Systems.		Operating Systems for Personal Computers,	Workstations and Hand-held Devices, Process Control & Real time Systems.	3. Write a program the FCFS CPU Scheduling	algorithm	Processor and User Modes, Kernels, System	Process and Resources.
Additional	Input (or) Value Addition	5	https://ww w.javatpoi	nt.com/typ es-of-	operating- systems	The same of the same	\$4.2 1/1		https://ww	nt.com/os-	cpu-	scheduling		
Сип	Activity	6	Teaching		Practical	Teaching	Practical		Teaching			Practical	Teaching	
Curricular Activity	Hours allotted	7	04		02	04	02	2.1	04	1.		2	04	
ctivity	Whether Conducted	«		Yes			Yes			Yes			- <u> </u>	
	If not Alternate	9		4										
J-62	Activity	10								Assignment			## 2	
Co-Curricular Activity	Hours allotted	11												Class modernistic en
Activity	Whether conducted	12												
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June 19 Process Abstraction, Process Hierarchy, 11 Week 02 S. Simulate Sequential file allocation strategies In Week 02 S. Simulate Sequential file allocation strategies In Process Scheduling, Non-Preemptive and Preemptive and Schick Deadlock Characterization, Necessary Introduction on Address Space, Memory Management: P. Physical and Virtual July 11 Meek 02 Hendiques In Process Scheduling, Non-Preemptive and Preemptive and Schick Preemptive Scheduling Algorithms. Preemptive and Algorithms. Preemptive and Merochy Deadlock Characterization, Necessary Introduction on Accomosal Introduction Accomosal Introduction Practical O2 Preemptive Avoidance and Deadlock Prevention. Introduction Practical O2 Preemptive Deadlock Prevention. Introduction Practical O2 Preemptive Deadlock Prevention and https://www Teaching O4 Preemptive Deadlock Deadlock Preemptive Deadlock Preemptive Deadlock Deadlock Deadlock Preemptive Deadlock			S		0	F-22 2	7			∞			9		=
Algorithm Process Abstraction, Process Hierarchy, Threads, Threading Issues, Thread Ubraries. S. Simulate Sequential file allocation strategies Process Scheduling, Non-Preemptive and Process Scheduling, Non-Preemptive and Preemptive Scheduling, Non-Preemptive and Preemptive Scheduling, Non-Preemptive and Preemptive Scheduling, Non-Preemptive and Preemptive Scheduling, Non-Preemptive and Process Scheduling, Non-Preemptive and Process Scheduling, Non-Preemptive and Process Scheduling, Non-Preemptive and Preemptive and Algorithms. 6. Simulate Indexed file allocation strategies Practical Process Scheduling, Non-Preemptive and Preemptive and Strategies 7. Simulate Linked file allocation strategies introduction and Networks. Practical Practical Process Simulate MVT and MFT memory management int.com/ostrechniques Problems: Producer-Consumer, Reader-Writer. 9. Simulate Single level directory File organization betchniques Practical		Jume	Ist Week	June	2nd Week		June 3rd Week			June 4 th			June 5 th week	July 1st	week
bstraction, Process Hierarchy, threading Issues, Thread Libraries. e Sequential file allocation strategies c Endeduling, Non-Preemptive and re Scheduling Algorithms. Deadlock Characterization, Necessary Lent Conditions for Deadlock, Deadlock Approaches: Deadlock Prevention. Approaches: Deadlock Prevention. Concurrent and Dependent Processes, cetion, Semaphores. RAVoidance and Dependent Processes, s Myavatpoi ection, Semaphores. Teaching O4 Yes Ves Concurrent and Dependent Processes, w. javatpoi action, Semaphores. Ravin Consurer, Reader-Writer. Tesing O4 Yes Teaching O4 Yes Teaching O5 Yes Teaching O6 Yes Teaching O7 Teaching O8 Yes Teaching O8 Yes Teaching O9 Yes Teaching O9 Teaching O9 Yes Teaching O9 Teaching O9 Yes Teaching O9 Teaching O9 Yes Teaching O9 Tea		04	02	04	02	04		22	. 4		20	04	02	04	02
Teaching 04 Yes - Practical 02 Y	4. Write a program to Priority CPU Scheduling algorithm	Process Abstraction, Process Hierarchy, Threads Threading Issues Thread Libraries	5. Simulate Sequential file allocation strategies	Process Scheduling, Non-Preemptive and	6. Simulate Indexed file allocation strategies	Deadlock, Deadlock Characterization, Necessary	Handling Approaches: Deadlock Prevention.	7. Simulate Linked file allocation strategies	Deadlock Avoidance and Deadlock Detection and Recovery. Concurrent and Dependent Processes,		techniques	Methods for Inter- process Communication; Process Synchronization, Classical Process Synchronization	Problems: Producer-Consumer, Reader-Writer. 9. Simulate Single level directory File organization techniques	Memory Management: P: Physical and Virtual Address Space; MemoryAllocation Strategles.	10. Simulate Two level File organization echniques
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August I st week	July 4 th week	July 3 rd week	July 2 nd week	9
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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	File and I/O Management, OSsecurity: Directory Structure, File Operations, File Allocation Methods, Device Management. 13. Implement Bankers Algorithm Dead Lock Prevention.	Paging, Segmentation, Virtual Memory 12. Write a program for Bankers Algorithm for Dead Lock Avoidance	Fixed and -Variable Partitions, 11. Simulate Hierarchical File organization techniques	
		https://ww w.javatpoi nt.com/pa ge-vs- block-in- operating- system		
Teaching Practical	Teaching Practical	Teaching Practical	Teaching Practical	
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August 3rd week

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August 2nd week

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Android Development Framework, Android Application Architecture, Android Process Management and File System, Small Application Development using Android Development 15. Simulate Paging Techniques of memory management system operatingpractical Teacing Practical 02 04 02 Yes Yes Mid-II

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

Department: COMPUTER SCIENCE

Name of the Lecturer: SOUJANYA BHUKYA

Year: 2021-2022

Class: III B. Sc (M.P.CS) SEM - V.

Paper: V DBMS

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October 4 th Week		October 3rd Week		Week	October 1 st		2		Week
03	02	03	02			03	3	Hours available	
data models, Components and Interfaces of Database Management System. Situations where DBMS is not Necessary	1.Draw ER diagrams for train services in a railway station	Classification of Database Management System, DBMS Approach, advantages of DBMS, Database Architecture.	How to draw ER Diagrams	management System,	Database, Database management System, Objectives of DBMS, Evaluation of Database	Introduction, file-based system, Drawbacks of file-Based System, Data and information,	4	Syllabus Topic (as per the university)	
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Week	November 5th		November 4th		November 3rd Week		November 2 nd Week		November 1 st Week	
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algebra, limitations of relational algebra,	relational algebra, relational algebra operations, advantages of relational	6. Write a program to demonstrate a function	Introduction, CODD Rules, relational data model, concept of key, relational integrity.	5. Write a stored procedure to process students results	attribute inheritance, multiple inheritance, constraints on specialization and generalization, aggregation and composition, entity clusters, connection types.	4. Write a view to extract details from two or more tables	relationship classification, reducing ER diagram to tables, enhanced entity-relationship model (EER model), generalization and specialization, IS A relationship	3. Creation of college database and establish relationships between tables	Introduction, the building blocks of an entity relationship diagram, classification of entity sets, attribute classification, relationship degree, advantages of ER modeling.	2. Draw EK diagram for hospital administration
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December 4th Week	Week	December 3rd	Week	December 2nd	December 1st Week		
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Operation, View, Sub Query, Embedded SQL 11. Creation of Reports based on different queries	11. Creation of Reports based on different queries	Selection Operation, Projection Operation, Aggregate functions, Data Manipulation Language, Table Modification Commands, Table Truncation	10. Write a program to demonstrate of Aggregate functions	Introduction, History of SQL Standard, Commands in SQL, Data Types in SQL, Data Definition Language	8. Write a program to demonstrate Joins9. Write a program d	Relational calculus, tuple relational calculus, domain relational Calculus (DRC). QBE	7. Write a program to demonstrate blocks, cursors& database triggers.
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February 1st Week	January 4th Week	January 3rd Week	January I si Week
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Revision	Cursors, Steps to create a Cursors, Procedure, Function, Packages, Exceptions Handling, Database Triggers, Types of Triggers	Operators Precedence, Control Structure, Steps to Create a PL/SQL, Program, Iterative Control. 12. Usage of table locking, facilities in applications.	Introduction, Shortcoming in SQL, Structure of PL/SQL, PL/SQL Language Elements, Data Types 12. Usage of file locking facilities in applications.
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SVRK GOVERNMENT DEGREE COLLEGE (M), NIDADAVOLE TABLE-A -CURRICULAR PLAN - LECTURER WISE Year: 2021-2022

Name of the Lecturer: SOUJANYA BHUKYA

Department: COMPUTER SCIENCE

Class: III B. Sc (M.P.CS)

Paper: VI Software Engineering

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Week	1	Week	à à	Week	October 3rd		October 1 st		2		Week
02	03	02	03	02	03	02		03	3	Hours available	
Prepare SRS for On line book store domain problem	Requirement Engineering Processes – Feasibility Study.	Prepare SRS for Banking or On line book store domain problem	Planning - Risk analysis - Software project scheduling.	Studying various phases of Water-Fall Model.	Process and Project Metrics – software estimation - Empirical estimation models.	Studying various phases of Water-Fall Model.		Software Engineering Process paradigms - Project management	4	Syllabus Topic (as per the university)	
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Using COCOMO model estimate effort for problem. Analysis Concepts and problem. Analysis Concepts and Principles – Analysis Process – Analysis Model Procedural O2 Using COCOMO model estimate effort for on line book store domain problem. Software design – Abstraction – Modularity Procedural O2 Calculate effort using FP oriented estimation problem. Software Architecture - Effective modular design Procedural O2 Analyze the Risk related to the project and Procedural O2 Analyze the Risk related to the project and Procedural Design - Data flow oriented design. O2 Develop Time-line chart and project table using Procedural O3 Human factors O3 Human factors O3 Procedural O2 Procedural O3 Human factors	1	memt	1	-					Wee	10
Using COCOMO model estimate effort for problem. Analysis Concepts and Principles – Analysis Process – Analysis Model Using COCOMO model estimate effort for on line book store domain problem. O3 Ving COCOMO model estimate effort for on line book store domain problem. Software design – Abstraction – Modularity Procedural on model Software Architecture - Effective modular design O3 Analyze the Risk related to the project and prepare RMMM plan. O3 Architectural design and Procedural Design – Data flow oriented design. O4 Develop Time-line chart and project table using Pro-Tical O4 Pro-Tical O4	2	48mg			%	à			Decembe	
Using COCOMO model estimate effort for Banking domain problem. Analysis Concepts and Principles – Analysis Process – Analysis Model Using COCOMO model estimate effort for on line book store domain problem. Software design - Abstraction – Modularity Calculate effort using FP oriented estimation model Software Architecture - Effective modular design - Cohesion and Coupling Architectural design and Procedural O3 Architectural design and Procedural Data flow oriented design.					01	Prodical			¥	j
Using COCOMO model estimate effort for problem. Analysis Concepts and Principles – Analysis Process – Analysis Model Using COCOMO model estimate effort for on line book store domain problem. Software design - Abstraction – Modularity Calculate effort using FP oriented estimation model Software Architecture - Effective modular design Cohesion and Coupling Analyze the Risk related to the project and prepare RMMM plan.		Sendent	1	4e	80	Tready			Decemb	9
Using COCOMO model estimate effort for Banking domain problem. Analysis Concepts and Principles – Analysis Process – Analysis Model Using COCOMO model estimate effort for on line book store domain problem. Software design - Abstraction – Modularity Calculate effort using FP oriented estimation model Software Architecture - Effective modular design O3 Cohesion and Coupling Teached O3 Teached O4 Teached O3 Teached O4 Teached O4 Teached O4 Teached O5 Teached O6 Teached O7 Teached O8 Teached Teached Teached O8 Teached Teached Teached Teached Teached Teached Teached Teached			١	\$	02	Practical				
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Requirement Analysis. O3 Using COCOMO model estimate effort for problem. Analysis Concepts and Principles – Analysis Process – Analysis Model O3 Using COCOMO model estimate effort for on line book store domain problem. O3 Software design - Abstraction – Modularity Teached O3 Teached O3 Teached O3 Teached O3			1	The Control of the Co	01	Tet rand			We	<u> </u>
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January 4th Week		Week	January 3rd		January 1 st Week	Week	comber 1th	Week	hor 3rd
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Integration and testing tool - Case studies. Prepare FTR. Version control and change control for software configuration item.	CASE tools -projects management, tools - analysis and design tools - programming tools -	Prepare FTR. Version control and change control for software configuration item.	- Path testing - Control Structures testing - Black Box Testing - Integration, Validation and system testing - Reverse Engineering and Reengineering.	Design of the test cases.	Software Quality Assurance - Quality metrics - Software Reliability - Software testing	Design of the test cases.	Interface design - Interface standards.	Draw E-R diagram, DFD, CFD and STD for the project.	Human computer interaction - Human - Computer Interface design
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Signature of the Dept. Vc

SYRK GOVERNMENT DEGREE COLLEGE :: NIDADAYOLE TABLE - B - CURRICULAR PLAN - ANNOUNCED TO BE STUDENTS

NAME OF THE LECTURER : SOUJANYA BHUKYA
CLASS : IIIrd B.SC (MPCS) YEAR: 2021-2022

DEPARTMENT SEMESTER

: COMPUTER SCIENCE : VI th SEM

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to Week	April 2022	and a second	3" Week	April 2022		2			
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sections of the page. 4. Create a simple HTML program to illustrate three types of lists.	Tables using images. More HTML: Multimedia objects, Frames. 3. Prepare a sample code to illustrate links between different	2. Illustrate font variations in your HTML code.	1. Write a HTML program illustrating text formatting.	formatting, Lists	Basic HTML, Document body, Text, Hyper links, adding more	4	SYLLABUS TOPIC		
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May 2022 3rd Week	May 2022 2°4 Week	May 2022 Bit Work
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Style sheet, formatting blocks of information, layers. 9. Design the web page with different properties 11. Using "table" tag, align the images	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.	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.
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June 2022 3 rd Week	June 2022 2 nd Week	June 2022 P"Week	May 2022 4 th Week
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DHTML with JavaScript: Data validation, opening a new window, messages and confirmations. 18. Write a html program including style sheets.	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).	Mathematical functions, statements, operators, arrays, functions 14. Illustrate the horizontal rulers in your page. 15. Create a help file	variables, string manipulations. Divide the web page Design the page with image tag
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	July 2022 2 nd Week	July 2022 1st Week	June 2022 5 th Week	June 2022 4 th Week
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	REVISION	Presenting XML, document object model. Web Services	XML: defining data for web applications, basic XNIL, Document type definition. Create a Static webpage	The status bar, different frames, rollover buttons, moving images. 20. Write a html program to layers of information in web page.
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