

2023-2024



KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with A* Grade - 4th Cycle, College of Excellence - UGC
Coimbatore - 641 029, Tamil Nadu, India



LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : VANJIMALAR S.
Year/Semester/Section : I/I/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 23USC101 & CORE PAPER 1 - C PROGRAMMING

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	21/06/2023	1	Introduction to C	CHALK AND TALK	https://www.geeksforgeeks.org/c-language-introduction/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
2	22/06/2023	1	Overview of Compilers and Interpreters	CHALK AND TALK	https://dev.to/dehthanka/introduction-to-programming-compiler-and-interpreter-23a1	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
3	23/06/2023	1	Structure of C program	CHALK AND TALK	https://www.geeksforgeeks.org/structure-of-c-program/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
4	26/06/2023	1	Programming Rules	CHALK AND TALK	https://tutorialink.com/c-syntax/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
5	27/06/2023	2	Character Set	CHALK AND TALK	http://www.beechmanclass.com/c_programming/C_Character_Set.html	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
6	30/06/2023	1	Keywords	CHALK AND TALK	https://www.javapoint.com/keywords-in-c	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
7	03/07/2023	1	Variables	CHALK AND TALK	https://www.w3schools.com/c/c_variables.php	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
8	04/07/2023	1	Type Conversion, Constant and Volatile variable	CHALK AND TALK	https://www.geeksforgeeks.org/type-conversion-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
9	05/07/2023	1	Priority Operators	CHALK AND TALK	https://www.tutorialspoint.com/c-programming/c_operators_precedence.htm	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
10	06/07/2023	2	Arithmetic, Relational operators	PPT CHALK AND TALK	https://medium.com/@dileepamranisathar/arithmetic-and-relational-operators-in-c-language-abb0b563c6	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
11	10/07/2023	1	Logical, Assignment, Increment/Decrement	CHALK AND TALK	https://www.programiz.com/c-programming/c-operators	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
12	11/07/2023	1	Conditional, Bitwise and Special operators	PPT	https://www.programiz.com/c-programming/c-operators	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
13	12/07/2023	1	Formatted and Unformatted function	CHALK AND TALK	https://www.javapoint.com/formatted-and-unformatted-input-output-in-c#~:text=formatted%20and%20unformatted%20data%20is%20defined%20format	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
14	13/07/2023	1	Library Function	CHALK AND TALK	https://www.tutorialspoint.com/what-are-the-c-library-functions#~:text=Library%20functions%20are%20built%20in by%20using%20many%20header%20files	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
15	18/07/2023	2	I - Unit Revision	CHALK AND TALK	https://www.tutorialspoint.com/what-are-the-c-library-functions#~:text=Library%20functions%20are%20built%20in by%20using%20many%20header%20files	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
Unit 2						
16	18/07/2023	1	Decision Statement	CHALK AND TALK	https://www.tutorialspoint.com/c-programming/c_decision_making.htm	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
17	19/07/2023	1	Simple If Statements	CHALK AND TALK	https://www.javapoint.com/decision-making-statements-in-c	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
18	20/07/2023	1	if/else Statement	CHALK AND TALK	https://www.javapoint.com/decision-making-statements-in-c	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
19	21/07/2023	1	Switch case	CHALK AND TALK	https://www.javapoint.com/decision-making-statements-in-c	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
20	24/07/2023	2	break, continue, goto.	CHALK AND TALK	https://www.programiz.com/c-programming/c-break-continue-statement	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
21	26/07/2023	1	Example program of Decision Making Statement	CHALK AND TALK	https://www.programiz.com/c-programming/c-decision-making-loops-examples	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition
22	27/07/2023	1	Looping Control Statements	CHALK AND TALK	https://www.geeksforgeeks.org/c-loops/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education: 1st Edition

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23	28/07/2023	1	Introduction for loop	CHALK AND TALK	https://www.geeksforgeeks.org/c-loop/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
23	11/07/2023	1	nested for loops with examples	CHALK AND TALK	https://www.geeksforgeeks.org/c-loop/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
25	01/08/2023	2	while loop statement	PPT CHALK AND TALK	https://www.geeksforgeeks.org/c-loop/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
26	11/08/2023	1	do while statements	PPT CHALK AND TALK	https://www.geeksforgeeks.org/c-loop/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
27	07/08/2023	1	Looping control statement programs explanation	PPT CHALK AND TALK	https://www.geeksforgeeks.org/c-loop/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
28	08/08/2023	1	II-unit Revision	PPT CHALK AND TALK	https://www.geeksforgeeks.org/c-loop/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
29	09/08/2023	1	For and nested for loops examples	CHALK AND TALK	https://www.programiz.com/c-programming/c-decision-making-loops-examples	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
30	10/08/2023	2	while and do while statement examples	CHALK AND TALK	https://www.programiz.com/c-programming/c-decision-making-loops-examples	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
Unit 3						
31	11/08/2023	1	Array Introduction and Defenition	CHALK AND TALK	https://www.programiz.com/c-programming/c-arrays	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
32	16/08/2023	1	1D,2D,3D or Multi Dimensional Array	CHALK AND TALK	https://studycart24.com/types-of-array-in-c/#:~:text=Difference%20between%20one%20dimensional%20array&text=A%20one%20dimensional%20array%20is%20called%20a%20array%20of%20arrays	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
33	17/08/2023	1	Introduction String	CHALK AND TALK	https://www.geeksforgeeks.org/string-in-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
34	18/08/2023	1	Standard Function	CHALK AND TALK	https://www.tutorialspoint.com/cprogramming/library-functions-with-suitable-examples.htm	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
35	18/08/2023	2	Application of Strings	CHALK AND TALK	https://www.w3schools.com/c/c_strings.php#:~:text=Strings%20are%20used%20for%20storing%20characters&text=Strings%20are%20used%20for%20storing%20characters	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
36	22/08/2023	1	Introduction of Pointers	CHALK AND TALK	https://www.w3schools.com/c/c_pointers.php	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
37	23/08/2023	1	Introduction of Pointers	PPT	https://www.w3schools.com/c/c_pointers.php	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
38	24/08/2023	1	Pointers Features and Declaration	CHALK AND TALK	https://www.includehelp.com/c-pointers-declaration-in-c-programming-language.aspx	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
39	25/08/2023	1	Pointer and Arrays	CHALK AND TALK	https://www.w3schools.com/c/c_pointers_arrays.php	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
40	29/08/2023	2	Arrays of Pointers	CHALK AND TALK	https://www.geeksforgeeks.org/array-of-pointers-in-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
41	31/08/2023	1	pointers to pointers	CHALK AND TALK	https://www.tutorialspoint.com/cprogramming/c_pointer_to_pointer.htm	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
42	01/09/2023	1	Pointers and String	CHALK AND TALK	https://studycart24.com/c-c-pointers-and-strings	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
43	04/09/2023	1	Pointers to Function	CHALK AND TALK	https://www.geeksforgeeks.org/function-pointer-in-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
44	05/09/2023	1	Void Pointers	CHALK AND TALK	https://www.geeksforgeeks.org/void-pointer-in-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
45	07/09/2023	2	Example program of string,pointer, arrays	CHALK AND TALK	https://www.programiz.com/c-programming/101/array-of-pointers-as-strings-in-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
Unit 4						
46	11/09/2023	1	Function: Defenition	CHALK AND TALK	https://www.w3schools.com/c/c_functions.php#:~:text=A%20function%20is%20a%20block%20of%20code%20that%20performs%20a%20task	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
47	12/09/2023	1	Declaration Types Of Function	CHALK AND TALK	https://www.javatpoint.com/functions-in-c	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
48	13/09/2023	1	Call by Value	CHALK AND TALK	https://www.geeksforgeeks.org/difference-between-call-by-value-and-call-by-reference/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
49	14/09/2023	1	Recursion Storage class: Automatic,	CHALK AND TALK	https://www.geeksforgeeks.org/storage-classes-in-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
50	15/09/2023	2	Recursion Storage class: External	CHALK AND TALK	https://www.geeksforgeeks.org/storage-classes-in-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
51	19/09/2023	1	Storage Class : Static	CHALK AND TALK	https://www.tutorialspoint.com/cprogramming/c_storage_classes.htm#:~:text=The%20static%20storage%20class%20instructs%20the%20compiler%20to%20store%20the%20function%20code	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
52	20/09/2023	1	Register variables	CHALK AND TALK	https://recomputers.com/c/c-storage-classes/#:~:text=The%20static%20storage%20class%20instructs%20the%20compiler%20to%20store%20the%20function%20code	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition

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53	21/09/2023	1	Structure and Union : Introduction	CHALK AND TALK	https://www.geeksforgEEKS.org/structure-vs-union-in-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
54	22/09/2023	1	Structure Declaration	CHALK AND TALK	https://www.geeksforgEEKS.org/structure-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
55	25/09/2023	2	Union Introduction	CHALK AND TALK	https://www.geeksforgEEKS.org/c-unions/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
56	27/09/2023	1	Union Declaration	CHALK AND TALK	https://www.geeksforgEEKS.org/c-unions/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
57	03/10/2023	1	Union Initialization	CHALK AND TALK	https://www.geeksforgEEKS.org/c-unions/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
58	06/10/2023	1	Example program of Structure	CHALK AND TALK	https://www.programiz.com/c-programming/c-structure-examples	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
59	06/10/2023	1	Example program of Union	CHALK AND TALK	https://www.fresh2fresh.com/c-programming/c-union/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
60	06/10/2023	2	IV - Unit Revision	CHALK AND TALK	https://www.fresh2fresh.com/c-programming/c-union/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
Unit 5						
61	06/10/2023	1	Files: Streams	CHALK AND TALK	https://www.niceahqpoint.com/c-programming/c_file_io.html	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
62	08/10/2023	1	File Types	CHALK AND TALK	https://www.geeksforgEEKS.org/basics-file-handling-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
63	11/10/2023	1	Steps for File Operations	CHALK AND TALK	https://www.geeksforgEEKS.org/basics-file-handling-c/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
64	13/10/2023	1	File I/O	CHALK AND TALK	https://www.tutorialspoint.com/c-programming/c_file_io.html	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
65	15/10/2023	2	Other File Function	CHALK AND TALK	https://www.programiz.com/c-programming/c-file-input-output	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
66	17/10/2023	1	Command Line Arguments	CHALK AND TALK	https://www.geeksforgEEKS.org/command-line-arguments-in-c-cpp/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
67	18/10/2023	1	Application of Command Line Arguments	CHALK AND TALK	https://www.geeksforgEEKS.org/command-line-arguments-in-c-cpp/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
68	19/10/2023	1	Programming embedded systems in C: Introduction	CHALK AND TALK	https://www.tutorialspoint.com/blog/2019/12/basics-embedded-c-programming/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
69	20/10/2023	1	What is an embedded system?	CHALK AND TALK	https://www.tutorialspoint.com/blog/2019/12/basics-embedded-c-programming/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
70	21/10/2023	2	Which programming language should you use?	CHALK AND TALK	https://emeritus.org/in/learn/what-coding-language-should-i-learn/#:~:text=As%20per%20a%20StackFlow%202023%20survey,JavaScript%20and%20C%20are%20Lalke	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
71	26/10/2023	1	Which operating system should you use?	CHALK AND TALK	https://www.makeuseof.com/tag/operating-system-choose-next-pc/	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
72	27/10/2023	1	How do you develop Embedded software?	CHALK AND TALK	https://www.greentechdevelopment.co.uk/building-an-efficient-embedded-system-design-and-software-development-process	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
73	30/10/2023	1	Example Program of Files	CHALK AND TALK	https://www.programiz.com/c-programming/c-file-examples	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition
74	31/10/2023	1	V Unit Revision	CHALK AND TALK	https://www.programiz.com/c-programming/c-file-examples	Programming with ANSI and Turbo C : Author: Ashok Kamthane : Publisher: Pearson Education : 1st Edition


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Coordinator

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : VANJIMALAR S,
Year/Semester/Section : I/II/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 23USC1CL & CORE PRACTICAL 1 -C PROGRAMMING LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	20/06/2023	1	Introduction to C language	LAB	https://www.w3schools.com/c/c_intro.php#:~:text=What%20is%20C%3F.write%20the%20UNIX%20operating%20system.	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
2	21/06/2023	3	Declaring Variables, Scanf and Printf Statements	LAB	https://www.fresh2refresh.com/c-programming/c-printf-and-scanf/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
3	22/06/2023	4	Operators Example Programs	LAB	https://www.programiz.com/c-programming/c-operators	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
4	23/06/2023	5	Variables, Cons, Data type, Keyword	LAB	https://www.guru99.com/c-variable-datatypes-constants.html#:~:text=A%20constant%20is%20a%20value,and%20range%20from%20one%20another.	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
Unit 2						
5	27/06/2023	5	Conditional loops	LAB	https://www.guru99.com/c-loop-statement.html#:~:text=Loops%20in%20C%20language%20are,%20controlled%20and%20exit%20controlled.	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
6	28/06/2023	1	Looping and Control Statements	LAB	https://www.guru99.com/c-loop-statement.html#:~:text=Loops%20in%20C%20language%20are,%20controlled%20and%20exit%20controlled.	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
7	30/06/2023	3	Program 1: To find Sum, Average and Standard Deviation	LAB	https://technotip.com/7955/calculate-sum-average-variance-and-standard-deviation-c-program/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
8	03/07/2023	4	Program 2: To Generate 'n' Prime numbers	LAB	https://www.geeksforgeeks.org/c-program-to-print-prime-numbers-from-1-to-n/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
9	04/07/2023	5	Program 3: To find the biggest number among a set of numbers	LAB	https://www.geeksforgeeks.org/c-program-to-find-the-largest-number-among-three-numbers/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition

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10	06/07/2023	5	Sorting :Ascending and Descending order examples, Bubble sort, Binary sort Concepts	LAB	https://www.geeksforgeeks.org/bubble-sort/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
11	07/07/2023	1	Program 4: To Arrange a set of numbers in Ascending order using Bubble sort	LAB	https://www.programiz.com/dsa/bubble-sort	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
Unit 3						
12	10/07/2023	3	Array Concepts with examples	LAB	https://www.programiz.com/c-programming/c-arrays	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
13	11/07/2023	4	Program 5:Program to merge a set of numbers available in two array into a Single array	LAB	https://prepinsta.com/data-structures/merging-two-sorted-arrays/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
14	12/07/2023	5	Program 5:Program to merge a set of numbers available in two array into a Single array	LAB	https://prepinsta.com/data-structures/merging-two-sorted-arrays/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
15	14/07/2023	5	Program 5:Program to merge a set of numbers available in two array into a Single array	LAB	https://prepinsta.com/data-structures/merging-two-sorted-arrays/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
16	17/07/2023	1	Program 5:Program to merge a set of numbers available in two array into a Single array	LAB	https://www.geeksforgeeks.org/c-program-to-merge-two-arrays/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
17	18/07/2023	3	Built in functions with example programs	LAB	https://www.tutorialspoint.com/ansi_c/c_function_references.htm	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
18	19/07/2023	4	Built in functions with example programs	LAB	https://www.tutorialspoint.com/ansi_c/c_function_references.htm	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
19	20/07/2023	5	Program 6 : Calculate a Sine value and Compare it with Built in functions	LAB	https://www.sanfoundry.com/c-program-value-sin-x/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
20	24/07/2023	5	Program 6 : Calculate a Sine value and Compare it with Built in functions	LAB	https://www.sanfoundry.com/c-program-value-sin-x/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
21	25/07/2023	1	Program 6 : Calculate a Sine value and Compare it with Built in functions	LAB	https://www.sanfoundry.com/c-program-value-sin-x/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
22	26/07/2023	3	Program 7: Recursive function to calculate Factorial value	LAB	https://www.programiz.com/c-programming/examples/factorial-recursion	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
23	27/07/2023	4	Program 7: Recursive function to calculate Factorial value	LAB	https://www.programiz.com/c-programming/examples/factorial-recursion	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition

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24	28/07/2023	5	Program 7: Recursive function to calculate Factorial value	LAB	https://www.programiz.com/c-programming/examples/factorial-recursion	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
25	01/08/2023	5	Program 7: Recursive function to calculate Factorial value	LAB	https://www.programiz.com/c-programming/examples/factorial-recursion	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
26	02/08/2023	1	Program 8: Program to find the number of palindromes in a given sentence	LAB	https://www.tutorialspoint.com/count-palindrome-words-in-a-sentence-in-cplusplus	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
27	04/08/2023	3	Program 8: Program to find the number of palindromes in a given sentence	LAB	https://www.tutorialspoint.com/count-palindrome-words-in-a-sentence-in-cplusplus	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
28	07/08/2023	4	Program 8: Program to find the number of palindromes in a given sentence	LAB	https://www.tutorialspoint.com/count-palindrome-words-in-a-sentence-in-cplusplus	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
29	08/08/2023	5	Strings and String manipulation example programs	LAB	https://www.programiz.com/c-programming/string-handling-functions	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
30	10/08/2023	5	Program 9:Function to perform String copy, String concatenation and String reverse	LAB	https://www.guru99.com/stdstring-class-in-cpp.html#:~:text=The%20strcpy()%20function%20copies,()%20function%20compares%20two%20strings	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
31	11/08/2023	1	Program 9:Function to perform String copy, String concatenation and String reverse	LAB	https://www.guru99.com/stdstring-class-in-cpp.html#:~:text=The%20strcpy()%20function%20copies,()%20function%20compares%20two%20strings	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
32	14/08/2023	3	Search Concepts with example programs	LAB	https://www.programiz.com/dsa/binary-search	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
33	16/08/2023	4	Search Concepts with example programs	LAB	https://www.programiz.com/dsa/binary-search	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
34	17/08/2023	5	Search Concepts with example programs	LAB	https://www.programiz.com/dsa/binary-search	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
35	19/08/2023	5	Stack Concepts with example programs	LAB	https://www.programiz.com/dsa/binary-search	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
36	21/08/2023	1	Stack Concepts with example programs	LAB	https://www.programiz.com/dsa/binary-search	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
37	22/08/2023	3	Stack Concepts with example programs	LAB	https://www.programiz.com/dsa/binary-search	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
38	23/08/2023	4	Queue Concepts with example programs	LAB	https://www.programiz.com/dsa/binary-search	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
39	24/08/2023	5	Queue Concepts with example programs	LAB	https://www.programiz.com/dsa/binary-search	Programming with ANSI and Turbo C ; Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition

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40	29/08/2023	5	Queue Concepts with example programs	LAB	https://www.geeksforgeeks.org/queue-data-structure/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
41	30/08/2023	1	Program 10: Program to implement Linear Search	LAB	https://www.programmingsimplified.com/c/source-code/c-program-linear-search	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
42	31/08/2023	3	Program 10: Program to implement Linear Search	LAB	https://www.programmingsimplified.com/c/source-code/c-program-linear-search	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
43	01/09/2023	4	Program 10: Program to implement Linear Search	LAB	https://www.programmingsimplified.com/c/source-code/c-program-linear-search	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
44	04/09/2023	5	Program 11: Stack operations-Push, Pop, List Stack	LAB	https://www.programmingsimplified.com/c/source-code/c-program-linear-search	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
45	07/09/2023	5	Program 11: Stack operations-Push, Pop, List Stack	LAB	https://www.programmingsimplified.com/c/source-code/c-program-linear-search	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
Unit 4						
46	08/09/2023	1	Program 11: Stack operations-Push, Pop, List Stack	LAB	https://www.programmingsimplified.com/c/source-code/c-program-linear-search	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
47	11/09/2023	3	Program 11: Stack operations-Push, Pop, List Stack	LAB	https://www.programmingsimplified.com/c/source-code/c-program-linear-search	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
48	12/09/2023	4	All Matrix operations with example programs	LAB	https://www.programmingsimplified.com/c/source-code/c-program-linear-search	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
49	13/09/2023	5	All Matrix operations with example programs	LAB	https://www.programmingsimplified.com/c/source-code/c-program-linear-search	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
50	15/09/2023	5	All Matrix operations with example programs	LAB	https://www.programmingsimplified.com/c/source-code/c-program-linear-search	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
51	18/09/2023	1	Program 12: Program to perform Matrix Addition	LAB	https://www.programiz.com/c-programming/examples/add-matrix	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
52	19/09/2023	3	Program 12: Program to perform Matrix Addition	LAB	https://www.programiz.com/c-programming/examples/add-matrix	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
53	20/09/2023	4	Program 12: Program to perform Matrix Addition	LAB	https://www.programiz.com/c-programming/examples/add-matrix	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
54	21/09/2023	5	Program 12: Program to perform Matrix Addition	LAB	https://www.programiz.com/c-programming/examples/add-matrix	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
55	25/09/2023	5	Program 13: Program to print student mark sheet	LAB	https://www.etutorialspoint.com/index.php/839-student-mark-sheet-program-in-c	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
56	26/09/2023	1	Program 13: Program to print student mark sheet	LAB	https://www.etutorialspoint.com/index.php/839-student-mark-sheet-program-in-c	
57	27/09/2023	3	Program 13: Program to print student mark sheet	LAB	https://www.etutorialspoint.com/index.php/839-student-mark-sheet-program-in-c	

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58	03/10/2023	4	Pointers concept with example programs	LAB	https://www.includehelp.com/c-programs/c-programs-pointers-solved-examples.aspx	
59	04/10/2023	5	Pointers concept with example programs	LAB	https://www.includehelp.com/c-programs/c-programs-pointers-solved-examples.aspx	
60	06/10/2023	5	Pointers concept with example programs	LAB	https://www.includehelp.com/c-programs/c-programs-pointers-solved-examples.aspx	
61	07/10/2023	1	Program 14:Program to display the content of an array using pointers	LAB	https://www.technosap.com/c-programming/examples/print-elements-of-array-using-pointers/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
62	09/10/2023	3	Program 14:Program to display the content of an array using pointers	LAB	https://www.technosap.com/c-programming/examples/print-elements-of-array-using-pointers/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
63	10/10/2023	4	Program 14:Program to display the content of an array using pointers	LAB	https://www.technosap.com/c-programming/examples/print-elements-of-array-using-pointers/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
64	11/10/2023	5	Program 14:Program to display the content of an array using pointers	LAB	https://www.technosap.com/c-programming/examples/print-elements-of-array-using-pointers/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
65	13/10/2023	5	Program 14:Program to display the content of an array using pointers	LAB	https://www.technosap.com/c-programming/examples/print-elements-of-array-using-pointers/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
Unit 5						
66	16/10/2023	1	Files and Command line arguments with example programs	LAB	https://www.scaler.com/topics/c/command-line-arguments-in-c/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
67	17/10/2023	3	Files and Command line arguments with example programs	LAB	https://www.scaler.com/topics/c/command-line-arguments-in-c/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
68	18/10/2023	4	Program 15:Program which takes a file as command line argument and copy it to another file	LAB	https://www.geeksforgeeks.org/c-program-copy-content-s-one-file-another-file/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
69	19/10/2023	5	Program 15:Program which takes a file as command line argument and copy it to another file	LAB	https://www.geeksforgeeks.org/c-program-copy-content-s-one-file-another-file/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
70	24/10/2023	5	Program 15:Program which takes a file as command line argument and copy it to another file	LAB	https://www.geeksforgeeks.org/c-program-copy-content-s-one-file-another-file/	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition
71	25/10/2023	1	Revision of 1-5 programs	LAB	https://www.programiz.com/c-programming/examples	Programming with ANSI and Turbo C : Author, Ashok Kamthane : Publisher, Pearson Education, 1st Edition



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72	26/10/2023	3	Revision of 6-10 programs	LAB	https://www.programiz.com/c-programming/examples	Programming with ANSI and Turbo C : Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
73	27/10/2023	4	Revision of 11-15 programs	LAB	https://www.programiz.com/c-programming/examples	Programming with ANSI and Turbo C : Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition
74	30/10/2023	5	Revision of All Programs	LAB	https://www.programiz.com/c-programming/examples	Programming with ANSI and Turbo C : Author, Ashok Kamthane ; Publisher, Pearson Education, 1st Edition


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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : PAVIYASRE N,
Year/Semester/Section : I/I/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 23EVS101 & ENVIRONMENTAL STUDIES

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	20/06/2023	3	Definition: scope and importance of Environment Studies, Need for Public Awareness,	BOARD		

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2	26/06/2023	4	Natural resources, Type of resources, Forest Resources, Water Resources, Mineral Resources, Food Resources, Energy Resources, Land Resources.	PPT, CHALK AND TALK		
Unit 2						
3	28/06/2023	3	Ecosystems: Concept of an ecosystem, Structure and functions of an ecosystem	LAB, BOARD		
4	05/07/2023	4	Procedures, consumers and decomposers, Energy flow in the ecosystem	CHALK AND TALK		

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5	07/07/2023	3	Ecological succession–Food chains,, food web and ecological pyramids	CHALK AND TALK,BOARD		
6	13/07/2023	4	Structure and function of the following ecosystem, Forest Ecosystem, Grassland Ecosystem , Desert Ecosystem, Aquatic Ecosystem.	PPT,CHALK AND TALK		
Unit 3						
7	17/07/2023	3	Biodiversity and its Conservation: Introduction, Definition, Genetic	CHALK AND TALK		



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8	21/07/2023	4	Species and ecosystem diversity, Bio-geographical classification of India, Value of biodiversity	CHALK AND TALK		
9	25/07/2023	3	Biodiversity at global, national and local levels – India as a mega - diversity Nation	CHALK AND TALK		
10	31/07/2023	4	Hotspot of biodiversity, Threats to biodiversity, Endangered and endemic species of India	PPT, CHALK AND TALK		
11	02/08/2023	3	Conservation of Biodiversity, Insitu- Conservation of Biodiversity, Exsitu- Conservation of Biodiversity.	CHALK AND TALK		



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Unit 4

12	09/08/2023	4	Environmental Pollution:Definition, Causes and effects	BOARD		
13	11/08/2023	3	control measures of: Air Pollution, Water Pollution, Soil Pollution, Marine Pollution, Noise Pollution, Thermal Pollution, Nuclear Pollution	CHALK AND TALK		
14	18/08/2023	4	control measures of: Air Pollution, Water Pollution, Soil Pollution, Marine Pollution, Noise Pollution, Thermal Pollution, Nuclear Pollution	BOARD		

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15	21/08/2023	3	Solid Waste Management: Causes, effects, control measures of urban and industrial wastes, Role of individual in prevention of pollution	CHALK AND TALK		
16	25/08/2023	4	Pollution case studies, domestic waste water, effluent from paper mill and dyeing, cement pollution	BOARD		
17	30/08/2023	3	Disaster Management, Food, Drought, Earthquake, Tsunami, Cyclone and Landslide.	CHALK AND TALK		
Unit 5						



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18	05/09/2023	4	Social Issues and the Environment: Sustainable Development	LAB		
19	08/09/2023	3	Smart City, Urban planning, Town Planning, Urban problems related to energy	VIDEOS		
20	14/09/2023	4	Water Conservation: Rain Water Harvesting and Watershed Management–Resettlement and rehabilitation of people, its problems and concerns	PPT		
21	18/09/2023	3	case studies Narmatha Valley Project , Environmental ethics, issues and possible solutions, Climate change	PPT		

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22	22/09/2023	4	global warming, ozone layer depletion, acid rain, nuclear accidents and holocaust, case studies	PPT		
23	26/09/2023	3	Hiroshima and Nagasaki, Chernobyl, Consumerism and waste products	CHALK AND TALK		
24	05/10/2023	4	Environmental Protection Act, Air Pollution Act (Prevention and Control), Water Pollution Act (Prevention and control)	CHALK AND TALK		
25	07/10/2023	3	Wild Life Protection Act, Forest Conservation Act	CHALK AND TALK		

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26	12/10/2023	4	Issues involved in enforcement environmental legislation, Public awareness, Human Population and the environment	CHALK AND TALK		
27	16/10/2023	3	Population Growth and Distribution, Population Explosion, Family Welfare Programme	CHALK AND TALK		
28	20/10/2023	4	Environment and Human Health, Human Rights, Value Education, HIV/AIDS	CHALK AND TALK		
29	25/10/2023	3	Women and Child Welfare, Role of Information Technology in Environment and Human Health.	CHALK AND TALK		



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30	31/10/2023	4	Revision	BOARD		
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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : M.JAGADHEESWARI M,
Year/Semester/Section : II/III/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 22UCS303 & CORE PAPER 3 – JAVA PROGRAMMING

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	4	Java Evolution: History	CHALK AND TALK		Programming with Java A Primer
2	21/06/2023	4	Java Features	CHALK AND TALK		Programming with Java A Primer
3	23/06/2023	5	How Java differs from C and C++	CHALK AND TALK		Programming with Java A Primer
4	26/06/2023	2	Java and Internet	CHALK AND TALK		Programming with Java A Primer
5	27/06/2023	4	Java and World Wide Web	CHALK AND TALK		Programming with Java A Primer
6	30/06/2023	4	Web browsers	CHALK AND TALK		Programming with Java A Primer
7	04/07/2023	5	Overview of java language	CHALK AND TALK		Programming with Java A Primer
8	05/07/2023	2	Simple java Programs	CHALK AND TALK		Programming with Java A Primer
9	06/07/2023	4	Simple java programs	CHALK AND TALK		Programming with Java A Primer
10	10/07/2023	4	Simple java programs	CHALK AND TALK		Programming with Java A Primer



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11	12/07/2023	5	Java program structure	CHALK AND TALK		Programming with Java A Primer
12	13/07/2023	2	Java Tokens	CHALK AND TALK		Programming with Java A Primer
13	14/07/2023	4	Java statements	CHALK AND TALK		Programming with Java A Primer
14	18/07/2023	4	Java Virtual Machine (JVM)	CHALK AND TALK		Programming with Java A Primer
Unit 2						
15	20/07/2023	5	Constants, Variables, and Data types: Constants	CHALK AND TALK		Programming with Java A Primer
16	21/07/2023	2	Constants	CHALK AND TALK		Programming with Java A Primer
17	24/07/2023	4	Variables	CHALK AND TALK		Programming with Java A Primer
18	26/07/2023	4	Data types	CHALK AND TALK		Programming with Java A Primer
19	28/07/2023	5	Operators and Expression	CHALK AND TALK		Programming with Java A Primer
20	31/07/2023	2	Operators and Expressions	CHALK AND TALK		Programming with Java A Primer
21	01/08/2023	4	Decision making and branching: Simple IF statement	CHALK AND TALK		Programming with Java A Primer
22	04/08/2023	4	If..else statement, Nesting If..else statement, Else If ladder, Switch statement, ?: Operator	CHALK AND TALK		Programming with Java A Primer
23	08/08/2023	5	Decision making and looping: While statement, do statement, for statement	CHALK AND TALK		Programming with Java A Primer

Dr. R. S.

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24	09/08/2023	2	Jumps in loops, Labelled loops	CHALK AND TALK		Programming with Java A Primer
25	10/08/2023	4	Classes, Objects and methods	CHALK AND TALK		Programming with Java A Primer
26	14/08/2023	4	Classes, Object and methods	CHALK AND TALK		Programming with Java A Primer
Unit 3						
27	17/08/2023	5	Arrays, Strings and vectors	CHALK AND TALK		Programming with Java A Primer
28	18/08/2023	2	Arrays, Strings and vector	CHALK AND TALK		Programming with Java A Primer
29	19/08/2023	4	Arrays, Strings and vectors	CHALK AND TALK		Programming with Java A Primer
30	22/08/2023	4	Arrays, Strings and vectors	CHALK AND TALK		Programming with Java A Primer
31	24/08/2023	5	Interface: Multiple inheritance	CHALK AND TALK		Programming with Java A Primer
32	25/08/2023	2	Interface: Multiple inheritance	CHALK AND TALK		Programming with Java A Primer
33	29/08/2023	4	Packages: Putting class together	CHALK AND TALK		Programming with Java A Primer
34	31/08/2023	4	Packages: Putting classes together	CHALK AND TALK		Programming with Java A Primer
35	04/09/2023	5	Multi-threaded Programming	CHALK AND TALK		Programming with Java A Primer
36	05/09/2023	2	Multi-threaded programming	CHALK AND TALK		Programming with Java A Primer
Unit 4						
37	07/09/2023	4	Managing Errors and Exceptions	CHALK AND TALK		Programming with Java A Primer



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38	11/09/2023	4	Managing Errors and Exceptions	CHALK AND TALK		Programming with Java A Primer
39	13/09/2023	5	Managing Errors and Exceptions	CHALK AND TALK		Programming with Java A Primer
40	14/09/2023	2	Applet programming	CHALK AND TALK		Programming with Java A Primer
41	15/09/2023	4	Applet programming	CHALK AND TALK		Programming with Java A Primer
42	19/09/2023	4	Applet programming	CHALK AND TALK		Programming with Java A Primer
43	21/09/2023	5	Applet programming	CHALK AND TALK		Programming with Java A Primer
44	22/09/2023	2	Graphics programming	CHALK AND TALK		Programming with Java A Primer
45	25/09/2023	4	Graphics programming	CHALK AND TALK		Programming with Java A Primer
46	27/09/2023	4	Graphics programming	CHALK AND TALK		Programming with Java A Primer
47	04/10/2023	5	Graphics programming	CHALK AND TALK		Programming with Java A Primer
48	05/10/2023	2	Graphics programming	CHALK AND TALK		Programming with Java A Primer
Unit 5						
49	06/10/2023	4	Managing I/O Files in java: Introduction, Concept of streams	CHALK AND TALK		Programming with Java A Primer
50	09/10/2023	4	Stream classes	CHALK AND TALK		Programming with Java A Primer
51	11/10/2023	5	Byte stream classes	CHALK AND TALK		Programming with Java A Primer
52	12/10/2023	2	Character stream classes	CHALK AND TALK	Dr. R. S.	Programming with Java A Primer

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53	13/10/2023	4	Using streams, Other useful I/O Classes	CHALK AND TALK		Programming with Java A Primer
54	17/10/2023	4	Using the file class, Input/Output Exceptions, Creation of Files	CHALK AND TALK		Programming with Java A Primer
55	19/10/2023	5	Reading / Writing characters	CHALK AND TALK		Programming with Java A Primer
56	20/10/2023	2	Reading / Writing characters	CHALK AND TALK		Programming with Java A Primer
57	24/10/2023	4	Reading / Writing Bytes	CHALK AND TALK		Programming with Java A Primer
58	26/10/2023	4	Reading/Writing bytes	CHALK AND TALK		Programming with Java A Primer
59	30/10/2023	5	Handling primitive data types	CHALK AND TALK		Programming with Java A Primer
60	31/10/2023	2	Random Access Files	CHALK AND TALK		Programming with Java A Primer

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : M.JAGADHEESWARI M,
Year/Semester/Section : II/III/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 22UCS3CN & CORE PRACTICAL 3 - JAVA PROGRAMMING LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	1	Variable, Identifier declaration, Operators	BOARD		Java: The Complete Reference , Herbert Schildt
2	20/06/2023	4	Sample Programs	LAB		
3	21/06/2023	5	Write java Programs to add any two numbers	LAB		
4	22/06/2023	1	Write java Programs to subtract any two numbers	LAB		
5	26/06/2023	1	Write java Programs to multiply any two numbers	LAB		

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6	26/06/2023	4	Write java Programs to divide any two numbers	LAB		
7	27/06/2023	1	Write a program which creates and displays a message on the window.	LAB		
8	28/06/2023	4	Write a program which creates and displays a message on the window.	LAB		
9	30/06/2023	5	Write a java program to calculate area of the rectangle.	LAB		
10	03/07/2023	1	Write a java program to find area of square	LAB		
11	05/07/2023	1	Write a program to draw several shapes in the created window.	LAB		



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12	05/07/2023	4	Write a program to draw several shapes in the created window.	LAB		
13	06/07/2023	1	Write a java program to find whether given number is odd or even.	LAB		
14	07/07/2023	4	Write a java program to find whether given number is prime or not.	LAB		
15	10/07/2023	5	Write a program to create an applet and draw grid lines.	LAB		
16	11/07/2023	1	Write a program to create an applet and draw grid lines.	LAB		
17	13/07/2023	1	Write a program to create an applet and draw grid lines.	LAB		


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18	13/07/2023	4	Write an applet program to display a message good morning.	LAB		
Unit 2						
19	14/07/2023	1	Write a program to find whether given number is prime or not.	LAB		
20	17/07/2023	4	Write a java program to find fibonacci numbers.	LAB		

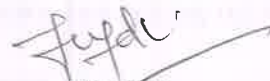


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21	18/07/2023	5	Write a java program to create a frame with two buttons called fathers and mother. When we click the father button the name of the father, his age and designation must appear. When we click mother similar details of mother appear.	LAB		
22	19/07/2023	1	Write a java program to create a frame with two buttons called fathers and mother. When we click the father button the name of the father, his age and designation must appear. When we click mother similar details of mother appear.	LAB		


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23	21/07/2023	1	Write a java program to create a frame with two buttons called fathers and mother. When we click the father button the name of the father, his age and designation must appear. When we click mother similar details of mother appear.	LAB		
24	21/07/2023	4	Write a java program to create a frame with two buttons called fathers and mother. When we click the father button the name of the father, his age and designation must appear. When we click mother similar details of mother appear.	LAB		



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25	24/07/2023	1	Write a Java Program to Compute Quotient and Remainder	LAB		
26	25/07/2023	4	Write a Java Program to Swap Two Numbers	LAB		
27	26/07/2023	5	Write Java Program to Check Whether an Alphabet is Vowel or Consonant	LAB		
28	27/07/2023	1	Write a java program to create four text fields for the name, street, city and pincode with suitable labels. Also add a button called my details, when you click the button your name, street, city and pincode must appear in the text fields.	LAB		

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29	31/07/2023	1	Write a java program to create four text fields for the name, street, city and pincode with suitable labels. Also add a button called my details, when you click the button your name, street, city and pincode must appear in the text fields.	LAB		
30	31/07/2023	4	Write a java program to create four text fields for the name, street, city and pincode with suitable labels. Also add a button called my details, when you click the button your name, street, city and pincode must appear in the text fields.	LAB		

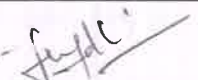


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31	01/08/2023	1	Write a java program to create four text fields for the name, street, city and pincode with suitable labels. Also add a button called my details, when you click the button your name, street, city and pincode must appear in the text fields.	LAB		
32	02/08/2023	4	Write a java program to create four text fields for the name, street, city and pincode with suitable labels. Also add a button called my details, when you click the button your name, street, city and pincode must appear in the text fields.	LAB		


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33	07/08/2023	1	Write a Java Program to Check Leap Year	LAB		
34	09/08/2023	1	Java Program to Check Whether a Number is Positive or Negative	LAB		
35	09/08/2023	4	Java Program to Check Whether a Character is Alphabet or Not	LAB		
36	10/08/2023	1	Write a java program to create a frame with three fields for name, age and qualification and a text field of multiple line for address.	LAB		



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37	11/08/2023	4	Write a java program to create a frame with three fields for name, age and qualification and a text field of multiple line for address.	LAB		
38	14/08/2023	5	Write a java program to create a frame with three fields for name, age and qualification and a text field of multiple line for address.	LAB		
39	16/08/2023	1	Write a java program to create a frame with three fields for name, age and qualification and a text field of multiple line for address.	LAB		


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40	18/08/2023	1	Write a java program to create a frame with three fields for name, age and qualification and a text field of multiple line for address.	LAB		
41	18/08/2023	4	Write a java program to demonstrate multiple selection listbox.	LAB		
42	19/08/2023	1	Write a java program to demonstrate multiple selection listbox.	LAB		
43	21/08/2023	4	Write a java program to demonstrate multiple selection listbox.	LAB		
44	22/08/2023	5	Write a java program to demonstrate multiple selection listbox.	LAB		



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Unit 3

45	23/08/2023	1	Write a java program to create a menu bar and pull down menus.	LAB		
46	25/08/2023	1	Write a java program to create a menu bar and pull down menus.	LAB		
47	25/08/2023	4	Write a java program to create a menu bar and pull down menus.	LAB		
48	30/08/2023	4	Write a java program to create a menu bar and pull down menus.	LAB		



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49	31/08/2023	5	Write a java program to create a window when we press M or m the window displays good morning, A or a the window displays good after noon, E or e the window displays good evening, N or n the window displays good night.	LAB		
50	01/09/2023	1	Write a java program to create a window when we press M or m the window displays good morning, A or a the window displays good after noon, E or e the window displays good evening, N or n the window displays good night.	LAB		

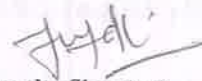


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51	05/09/2023	1	Write a java program to create a window when we press M or m the window displays good morning, A or a the window displays good after noon, E or e the window displays good evening, N or n the window displays good night.	LAB		
52	05/09/2023	4	Write a java program to create a window when we press M or m the window displays good morning, A or a the window displays good after noon, E or e the window displays good evening, N or n the window displays good night.	LAB		


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53	07/09/2023	1	Java program for key press event	LAB		
54	08/09/2023	4	Java program for key up event.	LAB		
Unit 4						
55	11/09/2023	5	Java program for mouse click event.	LAB		
56	12/09/2023	1	Java program for mouse double click event.	LAB		
57	14/09/2023	1	Write a program to move different shapes according to the arrow key pressed.	LAB		
58	14/09/2023	4	Write a program to move different shapes according to the arrow key pressed.	LAB		

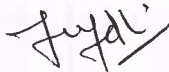


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59	15/09/2023	1	Write a program to move different shapes according to the arrow key pressed.	LAB		
60	18/09/2023	4	Write a program to move different shapes according to the arrow key pressed.	LAB		
61	19/09/2023	5	Write a program to move different shapes according to the arrow key pressed.	LAB		
62	20/09/2023	1	Write a program to move different shapes according to the arrow key pressed.	LAB		
63	22/09/2023	1	Java program to key up event.	LAB		
64	22/09/2023	4	Java programs to implement event handling by ActionListener	CHALK AND TALK, LAB		


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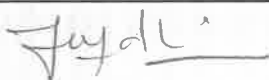


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65	25/09/2023	1	Java programs to implement event handling by ActionListener	LAB		
66	26/09/2023	4	Java programs to implement event handling by ActionListener	LAB		
67	27/09/2023	5	Write a program to draw circle, ellipse, square, rectangle at the mouse click position	LAB		
68	03/10/2023	1	Write a program to draw circle, ellipse, square, rectangle at the mouse click position	LAB		
69	05/10/2023	1	Write a program to draw circle, ellipse, square, rectangle at the mouse click position	LAB		


Faculty Signature

Coordinator

Head of the Department



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70	05/10/2023	4	Write a program to handle the divide by zero exception.	LAB		
71	06/10/2023	1	Write a program to handle the divide by zero exception.	LAB		
72	07/10/2023	4	Write a program to handle the divide by zero exception.	LAB		
Unit 5						
73	09/10/2023	5	Write a program to create an exception called pay out of bounds and throw the exception.	LAB		
74	10/10/2023	1	Write a program to create an exception called pay out of bounds and throw the exception.	LAB		

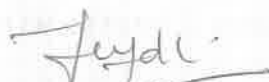


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75	12/10/2023	1	Write a program to create an exception called pay out of bounds and throw the exception.	LAB		
76	12/10/2023	4	Write a program to create an exception called pay out of bounds and throw the exception.	LAB		
77	13/10/2023	1	Write a program to create an exception called pay out of bounds and throw the exception.	LAB		
78	16/10/2023	4	Java program to array out of bound exception	LAB		
79	17/10/2023	5	Java program to exception handling using finally block.	LAB		


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80	18/10/2023	1	Java program to exception handling using throw.	LAB		
81	20/10/2023	1	Write a java program for multiplication table.	LAB		
82	20/10/2023	4	Write a program to explain the multithreading with the use of multiplication tables. Three threads must be defined and each one must create one multiplication table, they are 5 tables, 7 tables and 13 tables.	LAB		


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83	24/10/2023	1	Write a program to explain the multithreading with the use of multiplication tables. Three threads must be defined and each one must create one multiplication table, they are 5 tables, 7 tables and 13 tables.	LAB		
84	25/10/2023	4	Write a program to explain the multithreading with the use of multiplication tables. Three threads must be defined and each one must create one multiplication table, they are 5 tables, 7 tables and 13 tables.	LAB		


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85	26/10/2023	5	Write a program to explain the multithreading with the use of multiplication tables. Three threads must be defined and each one must create one multiplication table, they are 5 tables, 7 tables and 13 tables.	LAB		
86	27/10/2023	1	Write a program to explain the multithreading with the use of multiplication tables. Three threads must be defined and each one must create one multiplication table, they are 5 tables, 7 tables and 13 tables.	LAB		

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87	31/10/2023	1	Write a program to illustrate thread priority . Create three threads and assign three different priorities.	LAB		
88	31/10/2023	4	Write a program to illustrate thread priority . Create three threads and assign three different priorities.	LAB		



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : NITHYA A,
Year/Semester/Section : II/III/AII
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 22UGC3S1 & SKILL BASED SUBJECT 1 - CYBER SECURITY

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	20/06/2023	1	Introduction to Cyber security	PPT,CHALK AND TALK	https://www.simplilearn.com/introduction-to-cyber-security-article	
2	21/06/2023	2	Why is Cyber Security important?	PPT,CHALK AND TALK		
3	28/06/2023	1	Layers of Cyber Security- Evolution of Cyber Security	PPT,CHALK AND TALK,BOARD		
4	30/06/2023	2	Cyber hacking - Cyber fraud: Definition	PPT,CHALK AND TALK,VIDEOS	https://www.malwarebytes.com/hacker	
5	07/07/2023	1	Definition- Different modes of cyber fraud - Cyber fraud in India.	PPT,CHALK AND TALK		
6	10/07/2023	2	Cyber pornography.	PDF,CHALK AND TALK		
Unit 2						
7	17/07/2023	1	Cyber Terrorism: Modes of cyber terrorism	PPT,CHALK AND TALK		
8	18/07/2023	2	Cybercrime: What is Cybercrime?	PPT,CHALK AND TALK		
9	25/07/2023	1	Cybercrime preventive methods	PPT,CHALK AND TALK,VIDEOS	https://www.kaspersky.com/resource-center/threats/what-is-cybercrime	
10	26/07/2023	2	Preventive steps for individuals & organizations	PPT,CHALK AND TALK		
11	02/08/2023	1	Kinds of cybercrime, Malware and its types	PPT,CHALK AND TALK		
12	11/08/2023	1	Cyber attacks.	PPT,CHALK AND TALK	https://www.cisco.com/c/en/us/products/security/common-cyber-attacks.html	
Unit 3						
13	14/08/2023	2	Internet Mobile Phone and E-commerce Security issues	PPT,CHALK AND TALK	https://www.altamira.ai/blog/privacy-and-security-in-e-commerce/	



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14	14/08/2023	2	Data theft, Punishment of data theft	CHALK AND TALK		
15	21/08/2023	1	Theft of internet hours	CHALK AND TALK		
16	22/08/2023	2	Internet safety tips for children & parents.	CHALK AND TALK, BOARD		
17	30/08/2023	1	Mobile phone privacy	CHALK AND TALK	https://www.kaspersky.com/resource-center/threats/top-seven-mobile-security-threats-smart-phones-tablets-and-mobile-internet-devices-what-the-future-has-in-store	
18	31/08/2023	2	E-Commerce security issues.	CHALK AND TALK		
Unit 4						
19	08/09/2023	1	Email and Social media issues: Aspects of Social Media	PPT, CHALK AND TALK, BOARD		
20	11/09/2023	2	The Vicious Cycle of unhealthy social media use	CHALK AND TALK		
21	18/09/2023	1	Modifying social media use to improve mental health.	CHALK AND TALK		
22	19/09/2023	2	Computer Virus	CHALK AND TALK		
23	26/09/2023	1	Antivirus	CHALK AND TALK		
24	27/09/2023	2	Firewalls.	CHALK AND TALK		
Unit 5						
25	07/10/2023	1	Cyber Forensics and Digital Evidence: What does Digital Footprint Mean?	CHALK AND TALK	https://www.techtarget.com/searchsecurity/definition/computer-forensics	
26	09/10/2023	2	Web Browsing and Digital Footprints- Digital Footprint examples	PPT, CHALK AND TALK		
27	16/10/2023	1	How to erase your Footprints? - Browser Extensions and Search Engine Deletion - Cyber Crime and Cyber Laws	PPT, CHALK AND TALK		
28	17/10/2023	2	Common Cyber Crimes and Applicable Legal Provisions: A Snapshot - Cyber Law (IT Law) in India	PPT, CHALK AND TALK		
29	25/10/2023	1	The Information Technology Act of India 2000- Cyber Law and Punishments in India	PPT, CHALK AND TALK, BOARD		
30	26/10/2023	2	Cyber crime prevention guide to users, Regulation Authorities.	CHALK AND TALK, BOARD		



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : PAVIYASRE N,
Year/Semester/Section : III/V/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 21UCS510 & CORE PAPER 10 – PYTHON PROGRAMMING AND IoT

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	20/06/2023	4	Python Introduction	CHALK AND TALK.LINK	https://www.kngac.ac.in/elearning-portal/cc/admin/contents/4_18KP2CS07_2021012902234424.pdf	
2	21/06/2023	5	Data Types	CHALK AND TALK		
3	22/06/2023	5	Data Structures	CHALK AND TALK		
4	23/06/2023	3	Type Conversion	DEMO		
5	26/06/2023	1	Control Flow	PDF		
6	28/06/2023	4	Control Flow	CHALK AND TALK		
7	30/06/2023	5	Functions	PPT		
8	03/07/2023	5	Functions	CHALK AND TALK		
9	04/07/2023	3	Modules	CHALK AND TALK		
10	05/07/2023	1	Modules	CHALK AND TALK		
11	07/07/2023	4	Packages	PPT		
12	10/07/2023	5	File Handling	CHALK AND TALK		
13	11/07/2023	5	File Handling	CHALK AND TALK		

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Faculty Signature

Coordinator

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14	12/07/2023	3	Classes	CHALK AND TALK		
15	13/07/2023	1	Python Packages for IoT	CHALK AND TALK		
16	17/07/2023	4	Python Packages for IoT	PPT		
Unit 2						
17	18/07/2023	5	Introduction to IoT	PPT, LINK	https://www.kngac.ac.in/clearing-porta/cc/admin/contents/4_18KP2CS07_2021012902234424.pdf	
18	19/07/2023	5	Physical Design of IoT	CHALK AND TALK		
19	20/07/2023	3	Physical Design for IoT	CHALK AND TALK		
20	21/07/2023	1	Things in IoT	CHALK AND TALK		
21	25/07/2023	4	Things in IoT	CHALK AND TALK		
22	26/07/2023	5	IoT Protocols	CHALK AND TALK		
23	27/07/2023	5	IoT Protocols	PPT		
24	28/07/2023	3	Logical Design of IoT	PPT		
25	31/07/2023	1	Logical Design of IoT	PPT		
26	02/08/2023	4	IoT Functional Blocks	CHALK AND TALK		
27	04/08/2023	5	IoT Functional Blocks	CHALK AND TALK		
28	07/08/2023	5	IoT Communication Models	PPT		
29	08/08/2023	3	IoT Communication Models	VIDEOS		
30	09/08/2023	1	IoT Communication APIs	CHALK AND TALK		
31	11/08/2023	4	IoT Communication APIs	BOARD		



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32	14/08/2023	5	IoT Enabling Technologies, IoT Levels	CHALK AND TALK		
33	16/08/2023	5	IoT Levels	PPT		
34	17/08/2023	3	Domain Specific IoTs	CHALK AND TALK		
35	18/08/2023	1	Domain Specific IoTs	PPT		
Unit 3						
36	21/08/2023	4	M2M, Difference between M2M and IoT	CHALK AND TALK		
37	22/08/2023	5	SDN and NFV for IoT	CHALK AND TALK		
38	23/08/2023	5	SDN and NFV for IoT	PPT		
39	24/08/2023	3	IoT System Management with NETCONF-YANG	ONLINE-LINK		
40	25/08/2023	1	Need for IoT System Management	CHALK AND TALK		
41	30/08/2023	4	Simple Network Management Protocol (SNMP)	CHALK AND TALK		
42	31/08/2023	5	Network Operator Requirements, NETCONF, YANG	PPT		
43	01/09/2023	5	NETCONF, YANG	CHALK AND TALK		
44	04/09/2023	3	Systems Management with NETCONF-YANG	PPT		
Unit 4						
45	05/09/2023	1	IoT physical designs and endpoints	CHALK AND TALK		
46	08/09/2023	4	IoT physical devices and endpoints	CHALK AND TALK		
47	11/09/2023	5	Basic building blocks of an IoT	FILES		
48	12/09/2023	5	Basic building blocks of an IoT	PPT		
49	13/09/2023	3	Exemplary Devices	CHALK AND TALK		

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Faculty Signature

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50	14/09/2023	1	Exemplary Devices	CHALK AND TALK		
51	18/09/2023	4	Raspberry Pi	PPT		
52	19/09/2023	5	Raspberry Pi	PDF		
53	20/09/2023	5	Raspberry Pi Interfaces	CHALK AND TALK		
54	21/09/2023	3	Raspberry Pi Interfaces	CHALK AND TALK		
55	22/09/2023	1	Programming Raspberry Pi with Python	LAB		
56	26/09/2023	4	Other IoT Devices, Introduction to cloud storage	PPT		
Unit 5						
57	27/09/2023	5	Cloud storage, models and communication APIs	LINK	https://www.mannarcollege.ac.in/Department/Self_Finance/Department%20of%20Computer%20Science/IOT-Unit_V.pdf	
58	03/10/2023	5	Storage Models and Communication APIs	ONLINE-LINK		
59	04/10/2023	3	WANP Autobhan for IoT	CHALK AND TALK		
60	05/10/2023	1	Autobhan for IoT	CHALK AND TALK		
61	07/10/2023	4	Xively cloud for IoT	VIDEOS		
62	09/10/2023	5	Xively cloud for IoT	PPT		
63	10/10/2023	5	Xively cloud for IoT	FILES		
64	11/10/2023	3	Python Web Application Framework	PPT		
65	12/10/2023	1	Python Web Application Framework	PDF		
66	16/10/2023	4	Python web Application Framework	FILES		
67	17/10/2023	5	Django	PPT		



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68	18/10/2023	5	Django	ONLINE-LINK		
69	19/10/2023	3	Designing a RESTFUL web API	PPT		
70	20/10/2023	1	Designing a RESTFUL web API	FILES		
71	25/10/2023	4	Amazon web services for IoT	PPT		
72	26/10/2023	5	Amazon web services for IoT	FILES		
73	27/10/2023	5	Amazon web services for IoT	DEMO		
74	30/10/2023	3	SKYNET IoT Messaging Platform	CHALK AND TALK		
75	31/10/2023	1	SKYNET IoT Messaging Platform	PPT		



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : RADHARANI SARAVANAKUMAR ,
Year/Semester/Section : III/V/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 21UCS5E1 & MAJOR ELECTIVE PAPER I -CLOUD COMPUTING

S.No	Date	Hours	Topics	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	1	Introduction to Cloud Computing	CHALK AND TALK	https://www.javatpoint.com/introduction-to-cloud-computing	
2	20/06/2023	1	What is Cloud Computing, What works, Weak Links	CHALK AND TALK	https://cadinc.com/blog/the-weak-link-in-cloud-security	Cloud Computing A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
3	21/06/2023	1	Cloud Components	CHALK AND TALK	https://www.guru99.com/architecture-of-cloud-computing.html	Cloud Computing A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
4	22/06/2023	1	Infrastructure	PPT	https://www.geeksforgeeks.org/cloud-computing-infrastructure/	Cloud Computing A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
5	26/06/2023	2	Infrastructure - Paravirtualization, Services - Software as a Service	PDF, CHALK AND TALK	https://www.techtarget.com/search/operations/definition/paravirtualization	Cloud Computing A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
6	27/06/2023	1	Platform as a Service	CHALK AND TALK	https://cloud.google.com/learn/what-is-paas#:-text=C%20the%20report-Platform%20as%20a%20Service%20defined,middleware%2C%20tools%2C%20and%20more	Cloud Computing A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
7	28/06/2023	1	Hardware as a Service	CHALK AND TALK	https://u-next.com/blog/cloud-computing/hardware-as-a-service/#:-text=Wha%20is%20HaaS%3F,owning%20the%20underlying%20hardware%20itself	Cloud Computing A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
8	30/06/2023	1	Applications - Storage, Database, Synchronization	CHALK AND TALK	https://www.google.co.in/books/edition/Cloud_Database_Empowering_Scalable_and_Flexible_MEAABAJ?hl=en&gbp=1&dq=applications+storage+database+synchronization+in+cloud+computing&printsec=froncover	Cloud Computing A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
9	03/07/2023	1	Database Services	PPT, CHALK AND TALK	https://www.geeksforgeeks.org/overview-of-database-as-a-service/	Cloud Computing A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
10	05/07/2023	2	Intranet and the Cloud, Components, First movers in the Cloud	PDF, PPT	https://www.jivesoftware.com/blog/intranet/solutions/cloud-intranet/#gsc.tab=0	Cloud Computing A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
11	06/07/2023	1	Hardware and Infrastructure - Clients	PDF, CHALK AND TALK	https://www.geeksforgeeks.org/cloud-computing-infrastructure/	
12	07/07/2023	1	Security - Data Leakage, Offloading work, Logging, Forensics, Development, Auditing - Compliance, The PCI	PDF, CHALK AND TALK	https://listings.pcisecuritystandards.org/documents/Effective-Daily-Log-Monitoring-Guidance.pdf	Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
13	10/07/2023	1	Web Application Breaches - VPNs, What SSI is, Better Security Practices, Key Management	PDF, CHALK AND TALK	https://fieldeffect.com/blog/vpns	Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
14	11/07/2023	1	Network - Basic Public Internet, The Accelerated Internet, Optimized Internet Overlay, Site-to-Site VPN, Cloud Providers, Cloud Consumers, Services	PDF, CHALK AND TALK	https://www.hpe.com/us/en/what-is/what-is-cloud-networking.html	Cloud Computing A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
15	13/07/2023	2	Seminar	PDF		

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16	14/07/2023	1	Seminar	PPT		
Unit 2						
17	17/07/2023	1	Cloud-Computing Architecture - Introduction, Cloud Reference Model - Architecture	PDF, CHALK AND TALK	https://www.knowledgehut.com/blog/cloud-computing/cloud-computing-reference-model	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
18	18/07/2023	1	Cloud Reference Model - Infrastructure / Hardware as a Service	PDF, CHALK AND TALK	https://www.javatpoint.com/infrastructure-as-a-service	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
19	19/07/2023	1	Platform as a Service	PDF, CHALK AND TALK	https://www.javatpoint.com/platform-as-a-service	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
20	21/07/2023	2	Software as a Service	PDF, CHALK AND TALK	https://www.techtarget.com/searchcloudcomputing/definition/Software-as-a-Service	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
21	24/07/2023	1	Types of Clouds - Public Clouds	PDF, CHALK AND TALK	https://www.javatpoint.com/types-of-cloud	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
22	25/07/2023	1	Private Clouds	PDF, CHALK AND TALK	https://www.javatpoint.com/types-of-cloud	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
23	26/07/2023	1	Hybrid Clouds	PDF, CHALK AND TALK	https://www.javatpoint.com/hybrid-cloud	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
24	27/07/2023	1	Community Clouds	PDF, CHALK AND TALK	https://www.javatpoint.com/community-cloud	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
25	31/07/2023	2	Organizational Aspects	PDF, CHALK AND TALK	https://cloudiweak.com/2021/01/16-organizational-challenges-for-cloud-services/	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
26	01/08/2023	1	Cloud Reference Model	PDF	https://www.linkedin.com/pulse/cloud-computing-guidebook-part-3-reference-model-nabil-kamari	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
27	02/08/2023	1	Types of Clouds	PDF	https://www.redhat.com/en/topics/cloud-computing/public-cloud-vs-private-cloud-and-hybrid-cloud	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
28	04/08/2023	1	Organizational Aspects	PDF	https://www.geeksforgeeks.org/issues-in-cloud-computing/	Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
29	07/08/2023	1	Seminar	PPT		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
Unit 3						
30	09/08/2023	2	Accessing the cloud - Platforms - Web Application Framework	PDF, CHALK AND TALK		Cloud Computing - A Practical Approach, Antony T. Velte, Toby J. Velte, Robert Elsenpeter
31	10/08/2023	1	Web Hosting Service	PDF, CHALK AND TALK		Cloud Computing - A Practical Approach, Antony T. Velte, Toby J. Velte, Robert Elsenpeter
32	11/08/2023	1	Proprietary Methods	PDF, CHALK AND TALK		Cloud Computing - A Practical Approach, Antony T. Velte, Toby J. Velte, Robert Elsenpeter
33	14/08/2023	1	Web Applications	PDF, CHALK AND TALK		Cloud Computing - A Practical Approach, Antony T. Velte, Toby J. Velte, Robert Elsenpeter
34	16/08/2023	1	Web Browsers	PDF, CHALK AND TALK		Cloud Computing - A Practical Approach, Antony T. Velte, Toby J. Velte, Robert Elsenpeter
35	18/08/2023	2	Cloud Storage - Overview - The Basics, Storage as a Service	PDF, CHALK AND TALK		Cloud Computing - A Practical Approach, Antony T. Velte, Toby J. Velte, Robert Elsenpeter
36	19/08/2023	1	Cloud Storage - Overview - Providers, Security, Reliability, Advantages	PDF, CHALK AND TALK		Cloud Computing - A Practical Approach, Antony T. Velte, Toby J. Velte, Robert Elsenpeter
37	21/08/2023	1	Cloud Storage - Overview - Cautions, Outages, Theft, Is Cloud Storage for Me?, Cloud Storage Providers - Amazon Simple Storage Service	PDF, CHALK AND TALK		Cloud Computing - A Practical Approach, Antony T. Velte, Toby J. Velte, Robert Elsenpeter
38	22/08/2023	1	Nirvanix, Google Bigtable Datastore	PDF, CHALK AND TALK		Cloud Computing - A Practical Approach, Antony T. Velte, Toby J. Velte, Robert Elsenpeter

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Coordinator

Head of the Department



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39	23/08/2023	1	MobileMe	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, AntonyT. Velte, Toby J Velte, Robert Elsenpeter
40	25/08/2023	2	Live Mesh	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, AntonyT. Velte, Toby J Velte, Robert Elsenpeter
41	29/08/2023	1	Accessing the Cloud - Platforms	FLIPPED CLASS VIDEOS		Cloud Computing - A Practical Approach, AntonyT. Velte, Toby J Velte, Robert Elsenpeter
42	30/08/2023	1	Web Applications	FLIPPED CLASS VIDEOS		Cloud Computing - A Practical Approach, AntonyT. Velte, Toby J Velte, Robert Elsenpeter
43	31/08/2023	1	Cloud Storage	FLIPPED CLASS VIDEOS		Cloud Computing - A Practical Approach, AntonyT. Velte, Toby J Velte, Robert Elsenpeter
44	01/09/2023	1	Seminar	PPT		
45	05/09/2023	2	Seminar	PPT		
Unit 4						
46	07/09/2023	1	Cloud Applications - Scientific Applications	PDF,CHALK AND TALK		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
47	08/09/2023	1	Healthcare: ECG Analysis in the Cloud	PDF,CHALK AND TALK		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
48	11/09/2023	1	Geoscience: Satellite Image Processing	PDF,CHALK AND TALK		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
49	12/09/2023	1	Business and Consumer Applications - CRM and ERP	PDF,CHALK AND TALK		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
50	14/09/2023	2	Media Applications - Animoto	PDF,CHALK AND TALK		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
51	15/09/2023	1	Maya Rendering with Aneka	PDF,CHALK AND TALK		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
52	18/09/2023	1	Video Encoding on the Cloud: Encoding.com	PDF,CHALK AND TALK		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
53	19/09/2023	1	Multiplayer Online Gaming	PDF,CHALK AND TALK		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
54	20/09/2023	1	Healthcare: ECG Analysis in the Cloud	FLIPPED CLASS VIDEOS		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
55	22/09/2023	2	Geoscience	FLIPPED CLASS VIDEOS		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
56	25/09/2023	1	Business and Consumer Applications	FLIPPED CLASS VIDEOS		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
57	26/09/2023	1	Media Applications	FLIPPED CLASS VIDEOS		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
58	27/09/2023	1	Multiplayer Online Gaming	FLIPPED CLASS VIDEOS		Mastering Cloud Computing, Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi
59	03/10/2023	1	Class Test	FLIPPED CLASS		
60	05/10/2023	2	Class Test	FLIPPED CLASS		
Unit 5						
61	06/10/2023	1	Standards - Application	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, AnthonyT. Velte, Toby J. Velte, Robert Elsenpeter
62	07/10/2023	1	Security	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, AnthonyT. Velte, Toby J. Velte, Robert Elsenpeter
63	09/10/2023	1	Client - HTML	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, AnthonyT. Velte, Toby J. Velte, Robert Elsenpeter



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64	10/10/2023	1	Dynamic HTML	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
65	12/10/2023	2	JavaScript	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
66	13/10/2023	1	Infrastructure, Virtualization	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
67	16/10/2023	1	Service, Data	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
68	17/10/2023	1	Web Services	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
69	18/10/2023	1	Software as a Service - Overview - Advantages, Software Considerations	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
70	20/10/2023	2	Vendor Advantages, Limitations	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
71	24/10/2023	1	Driving Forces - Popularity	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
72	25/10/2023	1	Industries - Healthcare	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
73	26/10/2023	1	Banking	PDF,CHALK AND TALK		Cloud Computing - A Practical Approach, Anthony T. Velte, Toby J. Velte, Robert Elsenpeter
74	27/10/2023	1	Seminar	PPT,VIDEOS		
75	31/10/2023	2	Seminar	PPT		



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : RADHARANI SARAVANAKUMAR,
Year/Semester/Section : II/III/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 22UCS3A3 & ALLIED PAPER 3 – DATA STRUCTURES

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	3	Data Structure - Introduction	PDF	https://www.javatpoint.com/fundamental-of-the-data-structure	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
2	20/06/2023	3	Introduction - Overview	PDF,PPT,CHALK AND TALK	https://www.javatpoint.com/fundamental-of-the-data-structure	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
3	22/06/2023	4	Overview	PDF,PPT,CHALK AND TALK	https://www.javatpoint.com/fundamental-of-the-data-structure	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
4	23/06/2023	2	How to Create Programs	PDF,PPT	https://people.cs.ksu.edu/~schmidt/300s05/Lectures/Lecture0.html	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
5	27/06/2023	3	How to create programs	PDF,PPT	https://people.cs.ksu.edu/~schmidt/300s05/Lectures/Lecture0.html	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
6	28/06/2023	3	How to Analyze Programs	PDF,PPT	https://ocw.mit.edu/courses/6-820-fundamentals-of-program-analysis-fall-2015/	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
7	03/07/2023	4	Arrays - Axiomatization	PDF,PPT,CHALK AND TALK	https://ocw.mit.edu/courses/6-820-fundamentals-of-program-analysis-fall-2015/	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
8	04/07/2023	2	Ordered Lists	PDF,PPT,CHALK AND TALK	https://book.huihoo.com/data-structures-and-algorithms-with-object-oriented-design-patterns-in-c++/html/page167.html	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
9	06/07/2023	3	Representation of Arrays	PDF,PPT,CHALK AND TALK	https://www.geeksforgeeks.org/array-representation-in-data-structures/	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
10	07/07/2023	3	Simple Applications	PDF,CHALK AND TALK	https://www.geeksforgeeks.org/applications-advantages-and-disadvantages-of-array-data-structure/	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
11	11/07/2023	4	class test - overview, How to Create Programs, How to analyse Programs	PDF	https://people.cs.ksu.edu/~schmidt/300s05/Lectures/Lecture0.html	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni



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Unit 2						
12	12/07/2023	2	Stacks and Queues - Fundamentals	PDF,PPT,CHALK AND TALK	https://everythingcomputerscience.com/discrete_mathematics/Stacks_and_Queues.html	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
13	14/07/2023	3	Fundamentals	PDF,PPT,CHALK AND TALK	https://everythingcomputerscience.com/discrete_mathematics/Stacks_and_Queues.html	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
14	17/07/2023	3	Fundamentals	PDF,PPT,CHALK AND TALK	https://everythingcomputerscience.com/discrete_mathematics/Stacks_and_Queues.html	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
15	19/07/2023	4	Queues	PDF,PPT,CHALK AND TALK	https://everythingcomputerscience.com/discrete_mathematics/Stacks_and_Queues.html	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
16	20/07/2023	2	Stack - Structure, Operation	PDF,PPT,CHALK AND TALK	https://www.geeksforgeeks.org/introduction-to-stack-data-structure-and-algorithms-tutorials/	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
17	24/07/2023	3	Queues - structures, operations	PDF,PPT,CHALK AND TALK	https://www.geeksforgeeks.org/introduction-to-stack-data-structure-and-algorithms-tutorials/	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
18	25/07/2023	3	Multiple stacks and Queues	PDF,PPT,CHALK AND TALK	https://users.ece.cmu.edu/~koopman/stack_computers/sec2_1.html	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
19	27/07/2023	4	Applications	PDF,PPT,CHALK AND TALK	https://afteracademy.com/tech-interview/ds-algo-concepts/stack-and-queue/	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
20	28/07/2023	2	class test - Axiomatization, Ordered Lists, Representation of Arrays	PDF, LINK	https://book.huihoo.com/data-structures-and-algorithms-with-object-oriented-design-patterns-in-c++/html/page167.html	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
21	01/08/2023	3	Evaluation of Expressions	PDF,PPT,CHALK AND TALK	https://www.javatpoint.com/evaluation-of-expressions	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
22	02/08/2023	3	Class test - retest	PDF, LINK	https://www.sanfoundry.com/postfix-expression-evaluation-multiple-choice-questions-answers-mcqs/	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
23	07/08/2023	4	Stacks and Queues	PDF, LINK	https://www.geeksforgeeks.org/data-structure-gq/top-mcqs-on-queue-data-structure-with-answers/	Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
Unit 3						
24	08/08/2023	2	Linked Lists - Singly Linked Lists	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
25	10/08/2023	3	Linked Stacks and Queues	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
26	11/08/2023	3	The Storage Pool	PDF,PPT		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
27	16/08/2023	4	Applications - Polynomial Addition	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni



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28	17/08/2023	2	Sparse Matrices	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
29	19/08/2023	3	Sparse Matrices	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
30	21/08/2023	3	Doubly linked lists and Dynamic Storage Management	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
31	23/08/2023	4	Doubly Linked Lists and Dynamic Storage Management	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
32	24/08/2023	2	Garbage Collection and Compaction	PDF,PPT,FLIPPED CLASS		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
33	29/08/2023	3	Garbage collection and compaction	PDF,PPT,FLIPPED CLASS		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
34	30/08/2023	3	Class Test - Linked List, Single Linked lists	PDF		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
35	01/09/2023	4	Class Test - Linked stacks and queues, The storage pool	PDF		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
36	04/09/2023	2	class test - Polynomial addition, sparse matrices	PDF		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
Unit 4						
37	07/09/2023	3	Trees: Basic Terminology	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
38	08/09/2023	3	Binary Trees	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
39	12/09/2023	4	Binary Tree Representations	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
40	13/09/2023	2	Applications of Trees: Searching: Binary, Sequential, and Fibonacci	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
41	15/09/2023	3	Searching - Binary	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
42	18/09/2023	3	Sequential Searching	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
43	20/09/2023	4	Fibonacci Searching	PDF,PPT,CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni



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44	21/09/2023	2	Class Test : Binary Trees	PDF		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
45	25/09/2023	3	Class Test : Binary Tree Representation	PDF, FLIPPED CLASS		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
46	26/09/2023	3	Class Test : Applications of Trees : Binary	PDF		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
47	03/10/2023	4	class test : sequential search	PDF		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
48	04/10/2023	2	class test : Fibonacci search	PDF		
49	06/10/2023	3	Seminar - Binary Tree Representation, applications of trees	PPT, VIDEOS		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
Unit 5						
50	07/10/2023	3	Sorting - Internal Sorting - Insertion	PDF, PPT, CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
51	10/10/2023	4	Quick sort	PDF, PPT, CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
52	11/10/2023	2	Merge sort	PDF, PPT, CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
53	13/10/2023	3	Heap sort	PDF, PPT, CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
54	16/10/2023	3	Radix sorts	PDF, PPT, CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
55	18/10/2023	4	External sorting - Sorting with disks	PDF, PPT, CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
56	19/10/2023	2	k- Way merging	PDF, PPT, CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
57	24/10/2023	3	Sorting with tapes	PDF, PPT, CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
58	25/10/2023	3	Balanced merge, Polyphase merge	PDF, PPT, CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
59	27/10/2023	4	Symbol tables, static tree	PDF, PPT, CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni
60	30/10/2023	2	Dynamic tree, Hash tables	PDF, PPT, CHALK AND TALK		Fundamentals of Data Structures, Ellis Horowitz, Sartaj Sahni



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : VANJIMALAR S,
Year/Semester/Section : II/III/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 22UHR3N1 & NON MAJOR ELECTIVE PAPER - HUMAN RIGHTS

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	22/06/2023	3	Human Rights Introduction	CHALK AND TALK		
2	23/06/2023	3	Definition, Meaning, Concept ,Theories and Kinds of Human Rights	CHALK AND TALK		
3	03/07/2023	3	Meaning, Concept ,Theories and Kinds of Human Rights	CHALK AND TALK		
4	04/07/2023	3	Concept ,Theories and Kinds of Human Rights	CHALK AND TALK		
5	11/07/2023	3	Evaluation and Protection of Human Rights in India	CHALK AND TALK		
6	12/07/2023	3	Development of Human Rights under the United Nations.	CHALK AND TALK		
7	19/07/2023	3	U. N. Commission on Human Rights	CHALK AND TALK		


Faculty Signature

Coordinator

Dr. R. Saravana Moorthy
M.Sc (SE), MCA, M.Phil, MBA (IT), DCP, Ph.D (CSE)
Associate Professor & Head
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Unit 2

8	20/07/2023	3	United Nations Charter and Human Rights	CHALK AND TALK		
9	27/07/2023	3	Universal Declaration of Human Rights	CHALK AND TALK		
10	28/07/2023	3	International Covenant on Civil & Political Rights	CHALK AND TALK		
11	07/08/2023	3	International Covenant on Civil & Political Rights	CHALK AND TALK		
12	08/08/2023	3	International Covenant on Economic, Social and Cultural Rights	CHALK AND TALK		

Unit 3

13	16/08/2023	3	Human Rights and Fundamental Rights (Constitution)	CHALK AND TALK		
14	17/08/2023	3	Enactments regarding Human Rights Laws in India	CHALK AND TALK		
15	23/08/2023	3	National Human Rights Commission	CHALK AND TALK		
16	24/08/2023	3	State Human Rights Commission	CHALK AND TALK		
17	01/09/2023	3	State Human Rights Commission	CHALK AND TALK		
18	04/09/2023	3	III - UNIT Revision	CHALK AND TALK		

Unit 4


Faculty Signature

Coordinator

Dr. R. Saranya Manohar
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19	12/09/2023	3	Aged persons and their Human Rights	CHALK AND TALK		
20	13/09/2023	3	Human Rights of Persons with Disabilities	CHALK AND TALK		
21	20/09/2023	3	Human Rights of Persons with Disabilities	CHALK AND TALK		
22	21/09/2023	3	Tribal Human Rights in India	CHALK AND TALK		
23	03/10/2023	3	ThreeGenerationHumanRights	CHALK AND TALK		
24	04/10/2023	3	SocialAwarenessandResponsibilitiesofIndividuals.	CHALK AND TALK		
Unit 5						
25	10/10/2023	3	Rights of Women, Child, Refugees and Minorities	CHALK AND TALK		
26	11/10/2023	3	Rights of Women, Child, Refugees and Minorities	CHALK AND TALK		
27	18/10/2023	3	Rights of Women, Child, Refugees and Minorities	CHALK AND TALK		
28	19/10/2023	3	Social media and Human Rights	CHALK AND TALK		
29	27/10/2023	3	NGO's inprotectionofHuman Rights	CHALK AND TALK		
30	30/10/2023	3	Right to Election	CHALK AND TALK		


Faculty Signature

Coordinator

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : S. VELMURUGAN .,
Year/Semester/Section : III/V/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 21UCS509 & CORE PAPER 9 – ARTIFICIAL INTELLIGENCE

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	21/06/2023	3	ARTIFICIAL INTELLIGENCE - INTRODUCTION	CHALK AND TALK		AI
2	22/06/2023	3	AI - TECHNIQUES	CHALK AND TALK	https://forms.gle/Pv8skSAxZLY5hMLB9	AI
3	23/06/2023	5	AI PROBLEMS	PDF,CHALK AND TALK		AI
4	26/06/2023	4	CRITERIA FOR SUCCESS	CHALK AND TALK		AI
5	30/06/2023	3	PROBLEM SPACES	CHALK AND TALK		AI
6	03/07/2023	3	SEARCH STATE	CHALK AND TALK		AI
7	04/07/2023	5	PRODUCTION SYSTEM	PDF,CHALK AND TALK		AI


Faculty Signature

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8	05/07/2023	4	AI PROBLEM	CHALK AND TALK		AI
9	10/07/2023	3	SPACE SEARCH	CHALK AND TALK		
10	11/07/2023	3	PROBLEM CHARACTERISTICS	CHALK AND TALK		AI
11	12/07/2023	5	ISSUES IN ARTIFICIAL INTELLIGENCE	CHALK AND TALK, BOARD		AI
12	13/07/2023	4	Problems of AI	PDF, CHALK AND TALK, BOARD		
13	18/07/2023	3	Branches of AI	PDF, CHALK AND TALK		AI
14	19/07/2023	3	AI - General Problem Solving	PDF, CHALK AND TALK		
15	20/07/2023	5	DEFINING PROBLEM AS A STATE SPACE SEARCH	PDF, CHALK AND TALK		
16	21/07/2023	4	CHARACTERISTICS OF PRODUCTION SYSTEMS	CHALK AND TALK		AI
17	26/07/2023	3	Issues in the Design of Search Programs	PDF, CHALK AND TALK		AI
18	27/07/2023	3	Solving problems using search	PDF, CHALK AND TALK		AI

Faculty Signature

Coordinator

Head of the Department



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Unit 3

19	28/07/2023	5	KNOWLEDGE REPRESENTATION	PDF, CHALK AND TALK, BOARD		AI
20	31/07/2023	4	Representations and Mappings	PDF, PPT, CHALK AND TALK		
21	04/08/2023	3	Framework of Knowledge Representation	PDF, CHALK AND TALK		AI
22	07/08/2023	3	Knowledge Representation Schemes	PDF, CHALK AND TALK		AI
23	08/08/2023	5	Mapping between Facts and Representation	PDF, CHALK AND TALK		AI
24	09/08/2023	4	knowledge which needs to be represented in AI systems	CHALK AND TALK		AI
25	14/08/2023	3	Types of knowledge	CHALK AND TALK		AI
26	16/08/2023	3	The relation between knowledge and intelligence	CHALK AND TALK		AI
27	17/08/2023	5	Approaches to knowledge representation	CHALK AND TALK		AI


Faculty Signature

Coordinator

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28	18/08/2023	4	Representation and Mapping	PPT,CHALK AND TALK		AI
29	22/08/2023	3	Approaches to knowledge	PPT,CHALK AND TALK		AI
30	23/08/2023	3	Issues in Knowledge Representation	CHALK AND TALK		AI
31	24/08/2023	5	FRAME PROBLEM	CHALK AND TALK		AI
32	25/08/2023	4	ISSUES IN KNOWLEDGE	PPT,CHALK AND TALK		AI
33	31/08/2023	3	MAPPING	PPT,CHALK AND TALK		AI
34	01/09/2023	3	AI APPROACHES	CHALK AND TALK		AI
35	04/09/2023	5	AI REPRESENTATION ISSUES	CHALK AND TALK		AI
36	05/09/2023	4	KNOWLEDGE REPRESENTATIONS	CHALK AND TALK		AI
Unit 4						
37	11/09/2023	3	ISA RELATIONSHIP	CHALK AND TALK		AI
38	12/09/2023	3	PREDICATES	CHALK AND TALK		AI



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39	13/09/2023	5	COMPUTABLE FUNCTIONS	CHALK AND TALK		AI
40	14/09/2023	4	REPRESENTING FACTS	CHALK AND TALK		AI
41	19/09/2023	3	RESOLUTIONS	CHALK AND TALK		AI
42	20/09/2023	3	NATURAL DEDUCTION	CHALK AND TALK		AI
Unit 5						
43	21/09/2023	5	INTRODUCTION TO NEURAL NETWORK	PPT,CHALK AND TALK		AI
44	22/09/2023	4	GENETIC ALGORITHM	PPT,CHALK AND TALK		AI
45	27/09/2023	3	FUZZY LOGIC	PPT,CHALK AND TALK		AI
46	03/10/2023	3	IMPORTANCE OF EXPERT SYSTEM	PDF,CHALK AND TALK		
47	04/10/2023	5	INTRODUCTION TO EXPERT SYSTEM	CHALK AND TALK		AI
48	05/10/2023	4	CHARACTERISTIC OF EXPERT SYSTEM	PDF,CHALK AND TALK		AI

Faculty Signature

22-08-2023 03:15 PM 5 / 7

Coordinator

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49	09/10/2023	3	REPRESENTING KNOWLEDGE USING RULES	CHALK AND TALK		AI
50	10/10/2023	3	PROCEDURAL KNOWLEDGE	CHALK AND TALK		AI
51	11/10/2023	5	DECLARATIVE KNOWLEDGE	CHALK AND TALK		AI
52	12/10/2023	4	LOGIC PROGRAMMING	CHALK AND TALK		AI
53	17/10/2023	3	FORWARD VS BACKWARD REASONING	CHALK AND TALK		AI
54	18/10/2023	3	FEATURE MATCHING	CHALK AND TALK		AI
55	19/10/2023	5	CONTROL KNOWLEDGE IN AI	CHALK AND TALK		AI
56	20/10/2023	4	EXPERT SYSTEM FEATURES	CHALK AND TALK		AI
57	26/10/2023	3	BACKGROUND HISTORY	CHALK AND TALK		AI

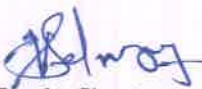


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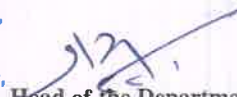
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58	27/10/2023	3	APPLICATION OF EXPERT SYSTEM	PPT,CHALK AND TALK		AI
59	30/10/2023	5	NEURAL NETWORK	CHALK AND TALK,VIDEOS		AI
60	31/10/2023	4	NEURAL NETWORK ARCHITECTURE	CHALK AND TALK,VIDEOS		AI


Faculty Signature

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : R.SARAVANA MOORTHY R,
Year/Semester/Section : III/V/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 21UCS509 & CORE PAPER 9 – ARTIFICIAL INTELLIGENCE

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 2						
1	19/06/2023	5	HEURISTIC SEARCH	PDF, CHALK AND TALK		AI
2	23/06/2023	2	HEURISTIC SEARCH TECHNIQUES	CHALK AND TALK		AI
3	27/06/2023	5	Search Algorithms	CHALK AND TALK		AI
4	04/07/2023	2	Uninformed search algorithms	CHALK AND TALK		AI
5	06/07/2023	5	Informed search algorithms	CHALK AND TALK		AI

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6	12/07/2023	2	Traveling Salesman Problem	CHALK AND TALK		AI
7	14/07/2023	5	Generate and Test Search	CHALK AND TALK		AI
8	20/07/2023	2	Best-first Search	CHALK AND TALK		AI
9	24/07/2023	5	Greedy Search	CHALK AND TALK		AI
10	28/07/2023	2	A* Search	CHALK AND TALK		AI
11	01/08/2023	5	Constraint Search	CHALK AND TALK		AI
12	08/08/2023	2	Means-ends analysis	CHALK AND TALK		AI
13	10/08/2023	5	Hierarchical Representation of Search Algorithms	CHALK AND TALK		AI
14	17/08/2023	2	Generate and Test Strategy	CHALK AND TALK		AI
15	19/08/2023	5	Hill Climbing	CHALK AND TALK		AI



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16	24/08/2023	2	Best First Search (Informed Search) In	CHALK AND TALK		AI
17	29/08/2023	5	A* Search Algorithm	CHALK AND TALK		AI
18	04/09/2023	2	AO* Search: (And-Or) Graph	CHALK AND TALK		AI
Unit 4						
19	07/09/2023	5	USING PREDICATE LOGIC	CHALK AND TALK		AI
20	13/09/2023	2	First-order Predicate logic	CHALK AND TALK		AI
21	15/09/2023	5	Representing Instance and ISA Relationships	CHALK AND TALK		AI
22	21/09/2023	2	Three ways of representing class membership: ISA Relationships	CHALK AND TALK		AI

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23	25/09/2023	5	Computable Functions and Predicates	PDF, CHALK AND TALK		AI
24	04/10/2023	2	Resolution	CHALK AND TALK		AI
25	06/10/2023	5	Propositional Resolution	PDF, CHALK AND TALK		AI
26	11/10/2023	2	Resolution Procedure	PDF, CHALK AND TALK		AI
27	13/10/2023	5	Natural Deduction Using Rules	CHALK AND TALK		AI
28	19/10/2023	2	Rules for Implication	CHALK AND TALK		AI
29	24/10/2023	5	REPRESENTING INSTANCE	CHALK AND TALK		AI
30	30/10/2023	2	SIMPLE FACTS IN LOGIC	CHALK AND TALK		AI



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : PAVIYASRE N,
Year/Semester/Section : III/V/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 21UCS5CP & CORE PRACTICAL 5 – PYTHON PROGRAMMING AND IoT LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	4	Overview of Python	PPT,LAB		
2	20/06/2023	5	Demonstrate on Python Installation	PPT,DEMO		
3	21/06/2023	4	Demonstrate on Example programs	LAB		
4	22/06/2023	2	Program 1: Demonstrate the Student Information using Python	DEMO		
5	23/06/2023	4	Demonstrate the Student information using Python	LAB		
6	26/06/2023	5	Program 2: Demonstrate the Python Program for Largest Three Numbers using Control flow conditions	LAB		
7	27/06/2023	4	Demonstrate the Python Program for Largest Three Numbers using Control flow conditions	DEMO		
8	28/06/2023	5	Demonstrate the Python Program for Largest Three Numbers using Control flow conditions	BOARD		



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9	30/06/2023	4	Program 3: Demonstrate the Recursive function for the factorial of Positive Integer using Python	LAB		
10	03/07/2023	2	Demonstrate the Recursive function for the factorial of Positive Integer using Python	BOARD		
11	04/07/2023	4	Demonstrate the Recursive function for the factorial of Positive Integer using Python	DEMO		
12	05/07/2023	5	Demonstrate the Recursive function for the factorial of Positive Integer using Python	LAB		
13	06/07/2023	4	Program 4: Demonstrate the Recursive function for Fibonacci Sequence upto given number n using Python	CHALK AND TALK		
14	07/07/2023	5	Demonstrate the Recursive function for Fibonacci Sequence upto given number n using Python	LAB		
15	10/07/2023	4	Demonstrate the Recursive function for Fibonacci Sequence upto given number n using Python	BOARD		
16	11/07/2023	2	Demonstrate the Recursive function for Fibonacci Sequence upto given number n using Python	DEMO		
17	12/07/2023	4	Program 5: Demonstrate the series of random numbers from 1 to n using Python	CHALK AND TALK		
18	13/07/2023	5	Demonstrate the series of random numbers from 1 to n using Python	LAB		
19	14/07/2023	4	Demonstrate the series of random numbers from 1 to n using Python	BOARD		

N. P. Jee



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20	17/07/2023	5	Demonstrate the series of random numbers from 1 to n using Python	DEMO		
21	18/07/2023	4	Model Test 1: Recursive Function for factorial	LAB		
22	19/07/2023	2	Revision for Python program	DEMO		
Unit 2						
23	20/07/2023	4	Program 6: Demonstrate the python program for switching LED on/off from Raspberry pi console	CHALK AND TALK.LINK	https://pythoncircle.com/post/652/programming-on-raspberry-pi-with-python-controlling-led/	
24	21/07/2023	5	Demonstrate the python program for switching LED on/off from Raspberry pi console	LAB		
25	24/07/2023	4	Demonstrate the python program for switching LED on/off from Raspberry pi console	BOARD		
26	25/07/2023	5	Demonstrate the python program for switching LED on/off from Raspberry pi console	LAB		
27	26/07/2023	4	Demonstrate the python program for Blinking LED	LAB		
28	27/07/2023	2	Demonstrate the python program for Blinking LED	BOARD		
29	28/07/2023	4	Model Test 2: Switching LED using Raspberry pi	LAB		
30	31/07/2023	5	Revision for Raspberry pi	DEMO		
Unit 3						
31	01/08/2023	4	Program 7: Demonstrate to publish temperature data to MQTT broker using Raspberry pi console	CHALK AND TALK		



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32	02/08/2023	5	Demonstrate to publish temperature data to MQTT broker using Raspberry pi console	LAB,BOARD		
33	04/08/2023	4	Demonstrate to publish temperature data to MQTT broker using Raspberry pi console	BOARD		
34	07/08/2023	2	Demonstrate to publish temperature data to MQTT broker using Raspberry pi console	BOARD		
35	08/08/2023	4	Program 8: Demonstrate a program to send sensor data to smartphone using bluetooth	CHALK AND TALK		
36	09/08/2023	5	Demonstrate a program to send sensor data to smartphone using bluetooth	LAB		
37	10/08/2023	4	Demonstrate a program to send sensor data to smartphone using bluetooth	DEMO		
38	11/08/2023	5	Model Test 3: Blinking LED using Raspberry pi	LAB		
39	14/08/2023	4	Revision with Smart Parking Service	DEMO		
Unit 4						
40	16/08/2023	2	Demonstrate a program to send sensor data to smartphone using bluetooth	BOARD		
41	17/08/2023	4	Program 9: Demonstrate a Python program for sending an E-Mail on switch press	CHALK AND TALK		
42	18/08/2023	5	Demonstrate a Python program for sending an E-Mail on switch press	LAB		



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43	19/08/2023	4	Demonstrate a Python program for sending an E-Mail on switch press	BOARD		
44	21/08/2023	5	Demonstrate a Python program for sending an E-Mail on switch press	DEMO		
45	22/08/2023	4	Demonstrate a Python program for sending an E-Mail on switch press	BOARD		
46	23/08/2023	2	Program 10: Demonstrate a python program to control an LED with a switch	CHALK AND TALK		
47	24/08/2023	4	Demonstrate a python program to control an LED with a switch	LAB		
48	25/08/2023	5	Demonstrate a python program to control an LED with a switch	BOARD		
49	29/08/2023	4	Demonstrate a python program to control an LED with a switch	DEMO		
50	30/08/2023	5	Demonstrate a python program to control an LED with a switch	LAB		
51	31/08/2023	4	Demonstrate a python program to control an LED with a switch	DEMO		
52	01/09/2023	2	Program 11: Demonstrate the Python program to create TCP server and respond with to TCP Client when requested	CHALK AND TALK		
53	04/09/2023	4	Demonstrate the Python program to create TCP server and respond with to TCP Client when requested	LAB		



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54	05/09/2023	5	Demonstrate the Python program to create TCP server and respond with to TCP Client when requested	BOARD		
55	07/09/2023	4	Demonstrate the Python program to create TCP server and respond with to TCP Client when requested	DEMO		
56	08/09/2023	5	Demonstrate the Python program to create TCP server and respond with to TCP Client when requested	BOARD		
57	11/09/2023	4	Model Test 4: Sending Email on switch press	LAB		
58	12/09/2023	2	Model Test 5: Smart Parking Service runs on Raspberry pi	LAB		
59	13/09/2023	4	Working with Intrusion Detection	DEMO		
Unit 5						
60	14/09/2023	5	Program 12: Demonstrate the Python program to interface motor using relay with Raspberry pi	CHALK AND TALK		
61	15/09/2023	4	Demonstrate the Python program to interface motor using relay with Raspberry pi	LAB		
62	18/09/2023	5	Demonstrate the Python program to interface motor using relay with Raspberry pi	BOARD		
63	19/09/2023	4	Demonstrate the Python program to interface motor using relay with Raspberry pi	DEMO		
64	20/09/2023	2	Demonstrate the Python program to interface motor using relay with Raspberry pi	LAB		



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65	21/09/2023	4	Program 12: Demonstrate the Python program to turn ON motor when button is pressed	CHALK AND TALK		
66	22/09/2023	5	Demonstrate the Python program to turn ON motor when button is pressed	LAB		
67	25/09/2023	4	Demonstrate the Python program to turn ON motor when button is pressed	BOARD		
68	26/09/2023	5	Demonstrate the Python program to turn ON motor when button is pressed	DEMO		
69	27/09/2023	4	Demonstrate the Python program to turn ON motor when button is pressed	LAB		
70	03/10/2023	2	Program 13: Demonstrate the python program for implementing intrusion detection service	CHALK AND TALK		Internet of Things
71	04/10/2023	4	Demonstrate the python program for implementing intrusion detection service	LAB		
72	05/10/2023	5	Demonstrate the python program for implementing intrusion detection service	BOARD		
73	06/10/2023	4	Demonstrate the python program for implementing intrusion detection service	DEMO		
74	07/10/2023	5	Demonstrate the python program for implementing intrusion detection service	LAB		
75	09/10/2023	4	Program 14: Demonstrate the Python Program for smart parking service that runs on Raspberry pi	CHALK AND TALK		Internet of Things



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76	10/10/2023	2	Demonstrate the Python Program for smart parking service that runs on Raspberry pi	LAB		
77	11/10/2023	4	Demonstrate the Python Program for smart parking service that runs on Raspberry pi	DEMO		
78	12/10/2023	5	Demonstrate the Python Program for smart parking service that runs on Raspberry pi	LAB		
79	13/10/2023	4	Demonstrate the Python Program for smart parking service that runs on Raspberry pi	DEMO		
80	16/10/2023	5	Program 15: Demonstrate the python program Weather reporting bot tweets weather updates to Twitter	CHALK AND TALK		
81	17/10/2023	4	Demonstrate the python program Weather reporting bot tweets weather updates to Twitter	LAB		
82	18/10/2023	2	Demonstrate the python program Weather reporting bot tweets weather updates to Twitter	BOARD		
83	19/10/2023	4	Demonstrate the python program Weather reporting bot tweets weather updates to Twitter	DEMO		
84	20/10/2023	5	Demonstrate the python program Weather reporting bot tweets weather updates to Twitter	DEMO		
85	24/10/2023	4	Demonstrate the python program Weather reporting bot tweets weather updates to Twitter	LAB		
86	25/10/2023	5	Demonstrate the python program Weather reporting bot tweets weather updates to Twitter	DEMO		



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87	26/10/2023	4	Demonstrate the python program Weather reporting bot tweets weather updates to Twitter	LAB		
88	27/10/2023	2	Demonstrate the python program Weather reporting bot tweets weather updates to Twitter	DEMO		
89	30/10/2023	4	Demonstrate the python program Weather reporting bot tweets weather updates to Twitter	LAB		
90	31/10/2023	5	Working with Weather Reporting bot	DEMO		



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : M.JAGADHEESWARI M,
Year/Semester/Section : III/V/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 21UCS511 & CORE PAPER 11 – DATA COMMUNICATION AND NETWORKING

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	2	Introduction to Data Communication and networking: Introduction - Fundamental concepts - Data Communications - Protocols - Standard - Signal propagation - Analog and digital signals	CHALK AND TALK		Data communications and networks
2	20/06/2023	2	Information Encoding: Represents different symbols - Minimizing errors	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
3	21/06/2023	2	Analog and Digital Transmission methods	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
4	22/06/2023	4	Analog and Digital Transmission methods	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
5	23/06/2023	1	Analog and Digital Transmission methods	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
6	26/06/2023	3	Modes of Data transmission	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING

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7	27/06/2023	2	Modes of Data transmission	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
8	28/06/2023	2	Modes of Data transmission	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
9	30/06/2023	2	Multiplexing	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
10	03/07/2023	4	Multiplexing	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
11	04/07/2023	1	Transmission Error: Detection and Correction	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
12	05/07/2023	3	Transmission Error: Detection and Correction	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
13	06/07/2023	2	Types of Errors	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
14	07/07/2023	2	Error detection	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
15	10/07/2023	2	Error detection	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
16	11/07/2023	4	Switching Basics: Circuit switching	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
Unit 2						



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17	12/07/2023	1	Transmission media: Guided media	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
18	13/07/2023	3	Transmission media: Guided media	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
19	14/07/2023	2	Transmission media: Guided media	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
20	17/07/2023	2	Unguided media	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
21	18/07/2023	2	Unguided media	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
22	19/07/2023	4	Unguided media	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
23	20/07/2023	1	Network topologies: Mesh, Star topology	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
24	21/07/2023	3	Tree topology	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
25	24/07/2023	2	Ring topology	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
26	25/07/2023	2	Bus topology	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
27	26/07/2023	2	Hybrid topology	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING



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28	27/07/2023	4	Packet switching	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
29	28/07/2023	1	Message switching	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
30	31/07/2023	3	Router and Routing	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
31	01/08/2023	2	Factors affecting routing algorithms	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
32	02/08/2023	2	Routing algorithm	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
33	04/08/2023	2	Routing algorithm	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
34	07/08/2023	4	Routing algorithm	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
35	08/08/2023	1	Routing algorithm	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
36	09/08/2023	3	Approaches to routing	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
37	10/08/2023	2	Network protocols and OSI Model	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
38	11/08/2023	2	OSI Model	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING



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39	14/08/2023	2	OSI Layer functions	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
40	16/08/2023	4	X2.5 Protocol	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
Unit 3						
41	17/08/2023	1	Local Area Network (LAN), MAN and WAN: LAN	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
42	18/08/2023	3	Ethernet	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
43	19/08/2023	2	Ethernet	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
44	21/08/2023	2	Metropolitan Area Network (MAN)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
45	22/08/2023	2	Switched Multimegabit Data Services (SMDS)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
46	23/08/2023	4	Wide Area Network (WAN)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
47	24/08/2023	1	WAN Architecture	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
48	25/08/2023	3	WAN Transmission Mechanism	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING



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49	29/08/2023	2	WAN Addressing	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
50	30/08/2023	2	Packet Forwarding	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
51	31/08/2023	2	Aloha	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
52	01/09/2023	4	Integrated Service Digital Network (ISDN)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
53	04/09/2023	1	X2.5 Protocol	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
54	05/09/2023	3	Frame relay	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
55	07/09/2023	2	Frame relay	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
Unit 4						
56	08/09/2023	2	Asynchronous Transfer mode	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
57	11/09/2023	2	Asynchronous Transfer mode	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
58	12/09/2023	4	Asynchronous Transfer mode	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING

Faculty Signature

Coordinator

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59	13/09/2023	1	Asynchronous Transfer mode	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
60	14/09/2023	3	Asynchronous Transfer mode	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
61	15/09/2023	2	Asynchronous Transfer mode	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
62	18/09/2023	2	Internetworking concepts, Devices, Internet Basics, History and Architecture	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
63	19/09/2023	2	Internetworking concepts, Devices, Internet Basics, History and Architecture	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
64	20/09/2023	4	Internetworking concepts, Devices, Internet Basics, History and Architecture	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
65	21/09/2023	1	Internetworking concepts, Devices, Internet Basics, History and Architecture	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
66	22/09/2023	3	Internetworking concepts, Devices, Internet Basics, History and Architecture	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
67	25/09/2023	2	Internetworking concepts, Devices, Internet Basics, History and Architecture	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
68	26/09/2023	2	Internetworking concepts, Devices, Internet Basics, History and Architecture	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
69	27/09/2023	2	TCP/IP: An Introduction to TF/IP, IP, ARP, RARP, ICMP	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING

[Signature]

19-08-2023 03:00 PM 7 / 9

Faculty Signature

Coordinator

Dr. R. Saravana Moorthy
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70	03/10/2023	4	TCP/IP: An Introduction to TP/IP, IP, ARP, RARP, ICMP	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
71	04/10/2023	1	TCP/IP: An Introduction to TP/IP, IP, ARP, RARP, ICMP	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
72	05/10/2023	3	TCP/IP: An Introduction to TP/IP, IP, ARP, RARP, ICMP	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
73	06/10/2023	2	TCP/IP: An Introduction to TP/IP, IP, ARP, RARP, ICMP	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
Unit 5						
74	07/10/2023	2	TCP: Features of TCP, Relationship between TCP and IP	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
75	09/10/2023	2	Ports and sockets	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
76	10/10/2023	4	TCP Connection	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
77	11/10/2023	1	What makes TCP reliable?	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
78	12/10/2023	3	TCP Packet format	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
79	13/10/2023	2	TCP Packet format	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING



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80	16/10/2023	2	User Datagram Protocol (UDP)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
81	17/10/2023	2	UDP Packet	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
82	18/10/2023	4	Difference between TCP and UDP	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
83	19/10/2023	1	Domain Name System (DNS)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
84	20/10/2023	3	Domain Name System (DNS)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
85	24/10/2023	2	Domain Name System (DNS)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
86	25/10/2023	2	Electronic Mail (EMail)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
87	26/10/2023	2	Electronic Mail (EMail)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
88	27/10/2023	4	Electronic Mail (EMail)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
89	30/10/2023	1	File Transfer Protocol (FTP)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING
90	31/10/2023	3	File Transfer Protocol (FTP)	CHALK AND TALK		DATA COMMUNICATION AND NETWORKING

Faculty Signature

Dr. R. Saravana Moorthy

M.Sc (SE), MCA, M.Phil, MEd (IT), OCP, PhD (CSE),

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KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

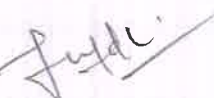
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Coimbatore - 641 029, Tamil Nadu, India

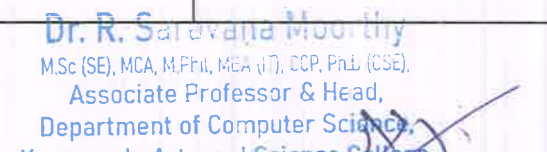


LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : M.JAGADHEESWARI M,
Year/Semester/Section : II/III/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 22PCS3XL & EDC PAPER - INTERNET AND WEB DESIGNING -LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	21/06/2023	3	Develop a HTML webpage to display student details.	LAB		
2	22/06/2023	3	Develop a HTML webpage to display department details using ordered list and unordered list.	LAB		
3	30/06/2023	3	Develop a HTML web page to display image.	LAB		


Faculty Signature


Dr. R. Saravanan Moorthy
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Head of the Department



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Coimbatore - 641 029, Tamil Nadu, India



4	03/07/2023	3	Design a web page for a company using HTML formatting tags.	LAB		
5	10/07/2023	3	Design a web page for a company using HTML formatting tags.	LAB		
6	11/07/2023	3	Design a web page for your department using Images.	LAB		
7	18/07/2023	3	Design a web page for your department using Images.	LAB		
Unit 2						
8	19/07/2023	3	Design a personal web page with hyperlink.	LAB		
9	26/07/2023	3	Design a personal web page with hyperlink.	LAB		



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Coimbatore - 641 029, Tamil Nadu, India



10	27/07/2023	3	Design a personal web page with hyperlink.	LAB		
11	07/08/2023	3	Design a web page for advertising a product using animation effect.	LAB		
12	14/08/2023	3	Design a web page for advertising a product using animation effect.	LAB		
13	16/08/2023	3	Design a web page for advertising a product using animation effect.	LAB		
Unit 3						
14	22/08/2023	3	Design a web page using ordered and unordered list.	LAB		



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15	23/08/2023	3	Design a web page using ordered and unordered list.	LAB		
16	31/08/2023	3	Design a web page using ordered and unordered list.	LAB		
17	01/09/2023	3	Design a web page using tables.	LAB		
18	11/09/2023	3	Design a web page using tables.	LAB		
19	12/09/2023	3	Design a web page using tables.	LAB		
Unit 4						
20	19/09/2023	3	Design a web page using forms.	LAB		



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Coimbatore - 641 029, Tamil Nadu, India



27	18/10/2023	3	Design a web page using position and background concept in CSS.	LAB		
28	26/10/2023	3	Design a web page which shows your bio-data using CSS.	LAB		
29	27/10/2023	3	Design a web page which shows your bio-data using CSS.	LAB		

[Handwritten Signature]

Faculty Signature

Coordinator

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21	20/09/2023	3	Design a web page using forms.	LAB		
22	27/09/2023	3	Design a web page using frameset.	LAB		
23	03/10/2023	3	Design a web page using frameset.	LAB		
24	09/10/2023	3	Design a web page using frameset.	LAB		
Unit 5						
25	10/10/2023	3	Design a web page using position and background concept in CSS.	LAB		
26	17/10/2023	3	Design a web page using position and background concept in CSS.	LAB		

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LESSON PLAN

Department of Computer Science [SF]

Batch: 2023-2024

Semester: II

Name of the Staff : S.VANJIMALAR

Name of the Subject: CorePaper2 - Data Structure using C++

Subject Code: 23USC202

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
1.	1	UNIT 1: Beginning with C++	Chalk & Talk
2.	2	What is C++?–	Chalk & Talk
3.	3	Applications of C++	Chalk & Talk
4.	4	Structure of C++Program	PPT
5.	5	Tokens, Expressions and Control structures	PPT
6.	6	Token	PPT
7.	7	Keywords	Chalk & Talk
8.	8	Identifiers and constants	Chalk & Talk
9.	9	Basic datatypes	Chalk & Talk
10.	10	User defined datatypes	PPT
11.	11	Derived datatypes	PPT
12.	12	Operators in C++	Chalk & Talk
13.	13	Scope resolution operator	Chalk & Talk
14.	14	Operator overloading	PPT
15.	15	Operator precedence	Chalk & Talk
16.	16	Control structures	Chalk & Talk
17.	17	UNIT 2: Functions in C++	Chalk & Talk
18.	18	The Main function	PPT
19.	19-20	Function Prototyping	Chalk & Talk
20.	21	Call by Reference	Chalk & Talk
21.	22	Call by value	PPT

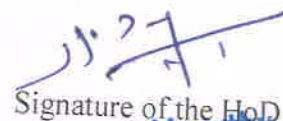
22.	23	Inline functions	PPT
23.	24	Function overloading	Chalk & Talk
24.	25	Friend and virtual functions	Chalk & Talk
25.	26	Classes and Objects: Specifying a class	PPT
26.	27	Defining member functions	PPT
27.	28	Array of object	Chalk & Talk
28.	29	Friendly function	Chalk & Talk
29.	30	Constructor and Destructor: Constructors	PPT
30.	31	Copy constructor –Dynamic constructor–Destructor.	Chalk & Talk
31.	32	UNIT 3: Operator overloading and type Conversions:	Chalk & Talk
32.	33	Defining operator overloading – Over loading Unary operator	Chalk & Talk
33.	34-35	Overloading Binary operators- Type Conversion	PPT
34.	36-38	Inheritance: Defining derived classes	PPT
35.	39	Single inheritance –Multilevel inheritance –Multiple inheritance–Hierarchical inheritance–Hybrid inheritance	Chalk & Talk
36.	40	Pointers	Chalk & Talk
37.	41	Pointers to objects–this pointer	
38.	42	Derived classes	Chalk & Talk
39.	43-44	Virtual functions	Chalk & Talk
40.	45	Revision	
41.	46	UNIT 4: Introduction and Overview : Data structures	PPT
42.	47-48	Data structure Operations	PPT
43.	49	Arrays, Records and Pointers Linear arrays	PPT
44.	50	Traversing Linear arrays	PPT

45.	51-52	Inserting and deleting.	Chalk & Talk
46.	53	Linked list	Chalk & Talk
47.	54	Representation of linked list in memory	Chalk & Talk
48.	55	Traversing linked list	Chalk & Talk
49.	56	Searching a linked list	Chalk & Talk
50.	57	Inserting into a linked list	PPT
51.	58-59	Deletion from a linked list.	Chalk & Talk
52.	60	Revision	
53.	61-62	UNIT 4: Stacks, Queues, Recursion	Chalk & Talk
54.	63	Stacks	PPT
55.	64	Array representation of stacks	Chalk & Talk
56.	65	linked representation of stacks	Chalk & Talk
57.	66	Recursion Queues	Chalk & Talk
58.	67	Linked representation of Queues	PPT
59.	68	Deque	PPT
60.	69	Priority queues	PPT
61.	70	Sorting: Insertion sort	Chalk & Talk
62.	71-72	Merge sort	PPT
63.	73	Selection sort	PPT
64.	74	Radix sort.	Chalk & Talk
65.	75	Revision	



Signature of the Staff

(S. VANJIMALAR)



Signature of the HoD

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LESSON PLAN

Department of Computer Science [SF]

Batch: 2023-2024

Semester: II

Name of the Staff : S.VANJIMALAR

Name of the Subject: Core Practical 2 - Data Structure using C++ Lab

Subject Code: 23USC2CM

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
1.	1	C++Program to array representation. Explanation	PPT
2.	2	C++Program to array representation. Explanation	PPT
3.	3	C++Program to array representation. Error checking	PPT
4.	4	C++Program to array representation. Error checking	PPT
5.	5	C++Program to array representation. Output verification	PPT
6.	6	C++ Program to implement stack and perform push& pop operation Explanation.	PPT
7.	7	C++ Program to implement stack and perform push& pop operation. Explanation	PPT
8.	8	C++Program to implement stack and perform push& pop operation. Error checking	PPT
9.	9	C++Program to implement stack and perform push& pop operation. Error checking	PPT
10.	10	C++Program to implement stack and perform push& pop operation. Output verification	PPT
11.	11	C++Program to implement queue to insert& delete item. Explanation	PPT
12.	12	C++Program to implement queue to insert& delete item. Explanation	PPT
13.	13	C++Program to implement queue to insert& delete item. Error checking	PPT
14.	14	C++Program to implement queue to insert& delete item. Error checking	PPT
15.	15	C++Program to implement queue to insert& delete item. Output verification	PPT

16.	16	C++ Program to create singly linked list. Explanation	PPT
17.	17-18	C++ Program to create singly linked list. Explanation	PPT
18.	19-20	C++ Program to create singly linked list. Error checking	PPT
19.	21-22	C++ Program to create singly linked list. Error checking	PPT
20.	23-24	C++ Program to create singly linked list. Output verification	PPT
21.	25-26	C++ Program to create doubly linked list Explanation	PPT
22.	27-28	C++ Program to create doubly linked list Explanation	PPT
23.	29-30	C++ Program to create doubly linked list Error checking	PPT
24.	31-32	C++ Program to create doubly linked list Error checking	PPT
25.	33-34	C++ Program to create doubly linked list Output verification	PPT
26.	35-36	C++ Program to perform circular queue. Explanation	PPT
27.	37	C++ Program to perform circular queue. Explanation	PPT
28.	38	C++ Program to perform circular queue. Error checking	PPT
29.	39-40	C++ Program to perform circular queue. Error checking	PPT
30.	41-43	C++ Program to perform circular queue. Output verification	PPT
31.	44-46	C++ Program to perform insertion sort. Explanation	PPT
32.	47-49	C++ Program to perform insertion sort. Explanation	PPT
33.	50-52	C++ Program to perform insertion sort. Error checking	PPT
34.	53-54	C++ Program to perform insertion sort. Error checking	PPT

35.	55-56	C++ Program to perform insertion sort. Output verification	PPT
36.	57-58	C++ Program to perform merge sort. Explanation	PPT
37.	59	C++ Program to perform merge sort. Explanation	PPT
38.	60	C++ Program to perform merge sort. Error checking	PPT
39.	61	C++ Program to perform merge sort. Error checking	PPT
40.	62	C++ Program to perform merge sort. Output verification	PPT
41.	63-64	C++ Program to perform radix sort. Explanation	PPT
42.	65	C++ Program to perform radix sort. Explanation	PPT
43.	66	C++ Program to perform radix sort. Explanation	PPT
44.	67	C++ Program to perform radix sort. Error checking	PPT
45.	68	C++ Program to perform radix sort. Error checking	PPT
46.	69	C++ Program to perform radix sort. Output verification	PPT
47.	70	C++ Program to perform selection sort. Explanation	PPT
48.	71	C++ Program to perform selection sort. Explanation	PPT
49.	72	C++ Program to perform selection sort. Error checking	PPT
50.	73	C++ Program to perform selection sort. Error checking	PPT
51.	74	C++ Program to perform selection sort. Output verification	PPT
52.	75	C++ Program to perform selection sort. Output verification	PPT


 Signature of the Staff
(SVANJINAKAR)


 Signature of the HoD
Dr. R. Saravana Moorthy
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KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

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LESSON PLAN

Department of Computer Science [SF]

Batch: 2023-2024

Semester: II

Name of the Staff : S.VANJIMALAR

Name of the Subject: Value Education–Moral and Ethics

Subject Code: 23VED201

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc)
1.	1	UNIT 1: Moral and Ethics	Chalk & Talk
2.	2	Meaning of Moral and Ethics	Chalk & Talk
3.	3	Social Ethics	Chalk & Talk
4.	4	Ethics and Culture	Chalk & Talk
5.	5	Aim of Education	Chalk & Talk
6.	6	UNIT II: Life and Teachings of Swami Vivekananda	Chalk & Talk
7.	7	Birth and Childhood days of Swami Vivekananda	Chalk & Talk
8.	8	At the Parliament of Religions	Chalk & Talk
9.	9	Teachings of Swami Vivekananda.	Chalk & Talk
10.	10	UNIT III: Warriors of our Nation	Chalk & Talk
11.	11	Subhas Chandra Bose	Chalk & Talk
12.	12	Sardhar Vallabhbhai Patel	Chalk & Talk
13.	13	O.Chidambaram Pillai	Chalk & Talk
14.	14	Udham Singh-V.	Chalk & Talk
15.	15	Bhagat Singh Tiruppur Kumaran Dheeran Chinnamalai	Chalk & Talk
16.	16	Thillaiyadi Valliammai	Chalk & Talk
17.	17	Velu Nachiyar Vanchinathan.	Chalk & Talk
18.	18	UNIT IV: Physical Fitness and Mental Harmony	Chalk & Talk

19.	19	Simplified Physical Exercise	Chalk & Talk
20.	20	Hand Exercises	Chalk & Talk
21.	21	Leg Exercises	Chalk & Talk
22.	22	Neuro Muscular Breathing Exercises	Chalk & Talk
23.	23	Eye Exercises	Chalk & Talk
24.	24	Kabalabathi Maharasana A & B Massage-	Chalk & Talk
25.	25	Acupressure-Relaxation	Chalk & Talk
26.	26	Kayakalpa Yogam-Life Force Introspection-	Chalk & Talk
27.	27	Analysis of Thoughts- Moralization of Desires- Neutralization of Anger- Eradication of Worries.	Chalk & Talk
28.	28	Unit – V: Yoga and Meditation– The Asset of India: Yogasanam– Rules & Regulations–Surya Namaskar–Asanas–Sitting– Stanging–Prone -Supine-	Chalk & Talk
29.	29	Pranayama–Naadi Sudhi Ujjayi–Seethali–Sithkari- Benefits. Meditation	Chalk & Talk
30.	30	Thanduvasudhi-Agna–Shanthi– Thuriyam–Benefits	Chalk & Talk


Signature of the Staff

(S. VANJI MAHAR)


Signature of the HoD

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KONGUNADU ARTS AND SCIENCE COLLEGE(AUTONOMOUS)

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LESSON PLAN

Department of Computer Science (SF)

Batch: 2022-2025

Semester: IV

Name of the Staff: N. Paviyasre

Name of the Subject: Database Management Systems

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS) etc
1.	1-2	Unit I: Introduction: Purpose of Database Systems	CHALK & TALK
2.	3	View of Data	CHALK & TALK
3.	4-5	Data Models	CHALK & TALK
4.	6	Database Languages	PPT
5.	7	Transaction Management	CHALK & TALK
6.	8	Storage Management – Database Administrator	CHALK & TALK
7.	9	Database Users – Overall System Structure	CHALK & TALK
8.	10	Entity Relationship Model: Basic concepts - Keys	CHALK & TALK
9.	11	Entity Relationship Diagram, Weak Entity sets	CHALK & TALK
10.	12	Extended E-R Features: Specialization, generalization	CHALK & TALK
11.	13-15	Unit II: Relational Model: Relational Algebra	PPT
12.	16-18	Views - SQL: Background - Basic Structure	CHALK & TALK
13.	19-21	Set Operations - Aggregate Functions	CHALK & TALK
14.	22	Null values - Derived Relations	CHALK & TALK
15.	23	Views - Modification of the database	
16.	24	Joined Relations - Data Definition Language	CHALK & TALK
17.	25-26	Unit III: Integrity Constraints: Domain Constraints	CHALK & TALK
18.	27-28	Referential Integrity - Assertions	CHALK & TALK
19.	29-30	Triggers. Functional Dependencies	CHALK & TALK
20.	31-33	Relational Database Design: Pitfalls	PPT
21.	34	Decomposition	CHALK & TALK
22.	35-36	Normalization using Functional Dependencies.	CHALK & TALK
23.	37-39	Unit IV: Object Oriented Databases: New Database Applications	CHALK & TALK
24.	40-41	Object Oriented Data Model – Object Oriented Languages	CHALK & TALK

25.	42	Persistent Programming Languages	CHALK & TALK
26.	43-44	Database System Architecture: Centralized Systems	CHALK & TALK
27.	45-46	Client/ Server Systems – Parallel Systems	PPT
28.	47-48	Distributed Systems - Network Types	CHALK & TALK
29.	49-51	Unit V: New Applications: Decision Support Systems	CHALK & TALK
30.	52-55	Data Analysis - Data Mining - Data Warehousing	CHALK & TALK
31.	56	Spatial and Geographic Databases – Multimedia Databases*	PPT
32.	57	Mobility and Personal Databases *	CHALK & TALK
33.	58-60	Information Retrieval Systems - Distributed Information Systems	CHALK & TALK


Signature of the Staff


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LESSON PLAN

Department of Computer Science

Batch : 2022-2025

Semester : IV

Name of the Staff: Dr. M. Jagadheeswari

Name of the Subject: 22UCS4A4 - Digital Principles and Computer System Architecture

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
1	1-2	UNIT I: Number Systems and Codes- Binary Number System : Binary to Octal	CHALK & TALK
2	3-4	Binary to Decimal, Hexadecimal Conversions	CHALK & TALK
3	4-6	Decimal Number System : Decimal to Binary, Octal, Hexadecimal Conversions	CHALK & TALK
4	7	Octal Number System : Octal to Binary, Decimal	CHALK & TALK
5	8	Hexadecimal Conversions	CHALK & TALK
6	9-10	Hexadecimal Number System : Hexadecimal to Binary, Octal, Decimal Conversions	CHALK & TALK
7	11	Revision	
8	12-13	ASCII Code – Excess – 3 Code	CHALK & TALK
9	14	Gray Code	CHALK & TALK
10	15	Revision	
11	16-17	UNIT II: Digital Logic : The Basic Gates – AND, OR, NOT	PPT
12	18-19	Universal Logic Gates : NAND and NOR	CHALK & TALK
13	20	AND- OR-Invert Gates.	CHALK & TALK
14	21-22	Combinational Logic Circuits : Boolean Laws and Theorems	CHALK & TALK
15	23	Revision	
16	24	Sum-of-Products Method	CHALK & TALK
17	25-26	Truth Table to Karnaugh Map, Pairs, Quads and Octets, Karnaugh Simplification	PPT
18	27	Don't Care Conditions	CHALK & TALK
19	28	Product-of- Sums Method	CHALK & TALK
20	29	Revision	

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
21	30	UNIT III: Multiplexer	PPT
22	31	De-multiplexers	PPT
23	32-33	1-of-16 Decoders	CHALK & TALK
24	34-35	BCD-Decimal Decoders	CHALK & TALK
25	36	Encoders	CHALK & TALK
26	37	Revision	
27	38-39	Flip-flops: RS Flip-flops	PPT
28	40	Edge-triggered RS Flip-flops	CHALK & TALK
29	41-42	Edge-triggered D Flip-flops	CHALK & TALK
30	43	Edge-triggered JK Flip-flops	CHALK & TALK
31	44	Revision	
32	45-46	UNIT IV: Central Processing Unit: General Register Organization	CHALK & TALK
33	47-48	Stack Organization	CHALK & TALK
34	49	Instruction Formats	CHALK & TALK
35	50	Addressing Modes.	CHALK & TALK
36	51-52	Input-Output Organization: Peripheral Devices - Input-Output Interface	CHALK & TALK
37	53-54	Asynchronous Data Transfer (strobe control & handshaking)	PPT
38	55	Revision	
39	56	Priority Interrupt	CHALK & TALK
40	57-58	Direct Memory Access	PPT
41	59	Input – Output Processor	CHALK & TALK
42	60	Serial Communication.	CHALK & TALK
43	61	Revision	
44	62-64	UNIT V: Memory Organization: Memory Hierarchy	CHALK & TALK
45	65	Main Memory	CHALK & TALK

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
46	66-67	Cache Memory	CHALK & TALK
47	68-69	Virtual Memory	CHALK & TALK
48	70	Revision	
49	71-72	Multiprocessors: Characteristics of Multiprocessors	CHALK & TALK
50	73-74	Interconnection Structures	CHALK & TALK
51	75	Revision	



Signature of the Staff



Signature of the HoD

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KONGUNADU ARTS AND SCIENCE COLLEGE(AUTONOMOUS)

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LESSON PLAN

Department of Computer Science(SF)

Bachelor of Computer Science

Batch: 2022-2025

Semester: IV

Class : II year

Name of the Staff: Dr.A.Nithya

Name of the Subject: Visual Basic and Oracle - Lab

S.N O	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIV ERY (CHALK & TALK/DEMO/ PPT/FLIPPED CLASS etc
1.	1-6	Develop a Project to Scroll the text "Visual Programming Lab" from left to right and right to left on client area.	DEMONSTRATION
2.	7-12	Develop a Project to change the shape of cursor in every cell while moving the mouse across the client area by dividing it to 8 *8 cells.	DEMONSTRATION
3.	13-18	Using Mouse Down Event, Write a Visual Basic application to identify whether the right button or the left button was clicked	DEMONSTRATION
4.	19-24	Develop an application to emulate a simple calculator that performs basic mathematical functions like addition, subtraction, multiplication and division	DEMONSTRATION
5.	25-30	Design a business database to maintain the following information: - Supplier address - Customer address - Types of business - Stock level of business Generate a Data Report that displays the information stored in the database .	DEMONSTRATION
6.	31-36	Develop a Project that displays the appearance of a pair of eyes using circle method.	DEMONSTRATION
7.	37-42	Design a Project to display the images circle, square, rectangle, ellipse and fill the same.	DEMONSTRATION

S.N O	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIV ERY (CHALK & TALK/DEMO/ PPT/FLIPPED CLASS etc
8.	43-48	Create a Visual Basic application using the Common Dialog control to display the options like Font, Save and open dialog box without using the action property of the controls.	DEMONSTRATION
9.	49-54	Implement a Project that plot several points at random on a form with red, blue and green colors.	DEMONSTRATION
10.	55-60	Using the Flex Grid control option, write a program that calculates addition, subtraction, multiplication, and division of numbers ranging from 1 to 12.	DEMONSTRATION
11.	61-66	Develop a simple project in Visual Basic for Railway Reservation application.	DEMONSTRATION
12.	67-72	Implement a Visual Basic project for Payroll Report generation.	DEMONSTRATION
13.	73-78	Develop a simple project to maintain Attendance details of Employees.	DEMONSTRATION
14.	79-84	Create an application to generate Mark List report of students.	DEMONSTRATION
15.	85-90	Develop a simple project to prepare a Data Report for Telephone Billing information of subscribers.	DEMONSTRATION


Signature of the Staff


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LESSON PLAN

Department of Computer Science [SF]

Batch: 2023-2024

Semester: IV

Name of the Staff : S.VANJIMALAR

**Name of the Subject: Skill Based Subject 2 – Mobile Application Development
Lab**

Subject Code: 22UCS4SL

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc)
1.	1	Develop an application that uses GUI components, Font and Colors.	PPT
2.	2	Develop an application that uses GUI components, Font and Colors.	PPT
3.	3	Develop an application that uses GUI components, Font and Colors.	PPT
4.	4	Develop an application that uses Layout Managers and Event listeners.	PPT
5.	5	Develop an application that uses Layout Managers and Event listeners.	PPT
6.	6	Develop an application that uses Layout Managers and Event listeners.	PPT
7.	7	Develop a native calculator application using UI Widgets.	PPT
8.	8	Develop a native calculator application using UI Widgets.	PPT
9.	9	Develop a native calculator application using UI Widgets.	PPT

10.	10	An application that draws basic graphical primitives on the screen.	PPT
11.	11	An application that draws basic graphical primitives on the screen.	PPT
12.	12	An application that draws basic graphical primitives on the screen.	PPT
13.	13	Develop an application that uses Multiple Fonts and Colors using UI Widgets.	PPT
14.	14	Develop an application that uses Multiple Fonts and Colors using UI Widgets.	PPT
15.	15	Develop an application that uses Multiple Fonts and Colors using UI Widgets.	PPT
16.	16	Develop a native application that uses GPS location information.	PPT
17.	17	Develop a native application that uses GPS location information.	PPT
18.	18	Develop a native application that uses GPS location information.	PPT
19.	19	Implement an application that writes data to the SD card using UI Widgets.	PPT
20.	20	Implement an application that writes data to the SD card using UI Widgets.	PPT
21.	21	Implement an application that writes data to the SD card using UI Widgets.	PPT

22.	22	Implement an application that creates an alert upon receiving a message.	PPT
23.	23	Implement an application that creates an alert upon receiving a message.	PPT
24.	24	Implement an application that creates an alert upon receiving a message.	PPT
25.	25	Implement an application that creates an alert upon receiving a message.	PPT
26.	26	Implement an application that creates an alert upon receiving a message.	PPT
27.	27	Implement an application that creates an alert upon receiving a message.	PPT
28.	28	Develop a mobile application to send an email.	PPT
29.	29	Develop a mobile application to send an email.	PPT
30.	30	Develop a mobile application to send an email.	PPT


Signature of the Staff

(S. VANJIMALAR)


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LESSON PLAN

Department of Computer Science (SF)

Batch: 2021-2024

Semester: VI

Name of the Staff: A. Immaculate

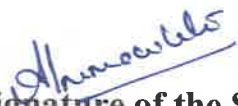
Name of the Subject: Data Analytics

S.No	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS) etc
1	1	UNIT I Introduction to Data Analytics	CHALK & TALK
2	2	Data Evolution	CHALK & TALK
3	3	Data Development Time Line	CHALK & TALK
4	4	ICT Advancement –A Perspective	PPT
5	5	Data Growth- A Perspective	PPT
6	6	IT Components	CHALK & TALK
7	7	Business Process	CHALK & TALK

8	8	Landscape	CHALK & TALK
9	9	Data to Data Science	CHALK & TALK
10	10	Revision	PDF
11	11	UNIT II Understanding data: Introduction	PPT
12	12	Type of Data: Numeric – Categorical	CHALK & TALK
13	13	Graphical – High Dimensional Data	CHALK & TALK
14	14	Data Classification- Hot Data– Cold Data	CHALK & TALK
15	15	Warm Data–Thick Data–Thin Data	CHALK & TALK
16	16	Classification of digital Data: Structured	CHALK & TALK
17	17	Semi-Structured and Un-Structured	CHALK & TALK
18	18	Sources of Data: Time Series	CHALK & TALK
19	19	Transactional Data	CHALK & TALK
20	20	Biological Data–Spatial Data	CHALK & TALK
21	21	Social Network Data	CHALK & TALK
22	22	Data Evolution	CHALK & TALK
23	23	Data Sources	CHALK & TALK
24	24	Revision	PDF
25	25	UNIT III : Data Science: A Discipline	CHALK & TALK
26	26	Data Science vs Statistics	CHALK & TALK
27	27	Data Science vs Mathematics,	PPT
28	28	Data Science vs Programming Language	PPT
29	29	Data Science vs Database, Data Science vs Machine Learning	PPT
30	30	Data Analytics – Relation	PPT
31	31	Data Science, Analytics, Big Data Analytics	PPT
32	32	Data Science-Components	PPT

33	33	Data Engineering	CHALK & TALK
34	34	Data Analytics-Methods and Algorithm	CHALK & TALK
35	35	Data Visualization.	CHALK & TALK
36	36	Revision	PDF
37	37	UNIT IV Exploring R Basics: Introduction–Getting started	CHALK & TALK
38	38	R Features–R Studio	CHALK & TALK
39	39	Packages and Library	CHALK & TALK
40	40	Installing and Loading Packages	CHALK & TALK
41	41	Starting R–R Basic Data types	CHALK & TALK
42	42	R Basic operators	CHALK & TALK
43	43	R Objects	CHALK & TALK
44	44	RFileformats0ImportingandExportingfiles	CHALK & TALK
45	45	Data Visualization in R: Introduction	CHALK & TALK
46	46	Exploratory Data Analytics	PPT
47	47	Lattice package	PPT
48	48	Datasets–Histogram	PPT
49	49	Density plot –Box plot	PPT
50	50	Bar chart & Strip plot	PPT
51	51	Theoretical Quantile plot & Dot plot *–Scatter plot Revision	PPT & PDF
52	52	UNIT V Statistical Measures–Introduction- Understanding data distribution	CHALK & TALK

53	53	Use case: Central tendency measure	CHALK & TALK
54	54	Measure of variability & Range – Inter Quartile Range	CHALK & TALK
55	55	Variability Analysis using Mean & Median Absolute deviation	CHALK & TALK
56	56	Data Standardizing	CHALK & TALK
57	57	Sampling Distribution	CHALK & TALK
58	58	Probability distribution **	CHALK & TALK
59	59	Hypothesis Tests	CHALK & TALK
60	60	Revision	PDF


Signature of the Staff
 A. IMMACULATE


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LESSON PLAN

Department of Computer Science

Batch : 2021-2024

Semester : VI

Name of the Staff: Dr. M. Jagadheeswari

Name of the Subject: 21UCS613-PHP PROGRAMMING

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
1	1-2	UNIT I: Introduction to PHP – Basic development Concepts – Creating first PHP Scripts	Chalk & Talk
2	3	Using Variable and operators	Chalk & Talk
3	4-5	Storing data in variable – Understanding data types	Chalk & Talk
4	6-7	Setting and Checking variables Data types.	PPT
5	8-9	Using constants	PPT
6	10-11	Manipulating variables with operators.	PPT
7	12	Revision	
8	13-14	UNIT II: Controlling Program flow: Writing Simple Conditional Statements	Chalk & Talk
9	15-17	Writing more complex conditional statements	Chalk & Talk
10	18-20	Repeating Action with Loops.	PPT
11	21-23	Working with String and Numeric functions.	PPT
12	24	Revision	

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
13	25-27	UNIT III: Working with Arrays: Storing data in arrays	Chalk & Talk
14	28-29	Processing arrays with Loops and Iterations	PPT
15	30-31	Using Arrays with forms	PPT
16	32-33	Working with Array functions	PPT
17	34-35	Working with dates and Times.	PPT
18	36	Revision	
19	37-38	UNIT IV: Using functions and classes : Creating user defined functions	Chalk & Talk
20	39-41	Creating classes	PPT
21	42 - 43	Working with files and Directories : Reading files	PPT
22	44-45	Writing files	PPT
23	46-47	Processing Directories	PPT
24	48	Revision	
25	49-52	UNIT V: Working with databases and SQL: Creating and populating a Database with MySQL and MySLi	Chalk & Talk
26	53-56	Working with Cookies, Sessions	PPT
27	57-59	IOS and Android services.	PPT
28	60	Revision	PPT


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LESSON PLAN

Department of Computer Science

Batch :2021-2024

Semester : VI

Name of the Staff: Dr. M. Jagadheeswari

Name of the Subject: -21UCS6CQ-PHP Programming Lab

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY
1	1	HTML Tags	Learning by Doing
2	2	Hyper link Exercise	Demonstration
3	3	INPUT tags	Demonstration
4	4-6	Develop a PHP Program using controls and functions.	Learning by Doing
5	7-8	Looping statement in PHP	Debugging
6	9-10	Conditional statement in PHP	Demonstration
7	11-12	Design a simple web page to generate multiplication table for a given number.	Learning by Doing
8	13-14	HTML formatting tags	Learning by Doing
9	15-16	FORM tag	Demonstration
10	17-18	Develop a PHP program and Check Message passing mechanism between pages.	Learning by Doing
11	19-20	PHP Configuration	Learning by Doing
12	21-22	PHP methods	Demonstration
13	23-24	Develop a PHP program using String functions and Arrays	Learning by Doing
14	25-26	PHP layouts	Learning by Doing
15	27-28	String and Array Functions	Demonstration
16	29-30	Develop a PHP Program using parsing functions.	Learning by Doing
17	31-32	String functions	Learning by Doing
18	33-34	Array Functions	Learning by Doing
19	35-36	Design a web page that should compute one's age on a given date.	Demonstration
20	37-38	Tokenizing	Learning by Doing

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
21	39-40	User defined functions.	Demonstration
22	41-42	Develop a PHP program to find GCD of two numbers using user defined functions.	Demonstration
23	43-44	File functions	Learning by Doing
24	45-46	File functions	Learning by Doing
25	47-48	Develop a PHP program to check File System functions	Demonstration
26	49-50	File functions	Learning by Doing
27	51-52	File functions	Debugging
28	53-54	Write a program to download a file from server.	Demonstration
29	55-56	Arithmetic expression	Learning by Doing
30	57-58	INPUT tags	Debugging
31	59-60	Develop a PHP program to generate mark statement	Demonstration
32	61-62	E-mail functions	Learning by Doing
33	63-64	E-mail layout	Debugging
34	65-66	Develop a PHP program for mail id creation.	Demonstration
35	67-68	MYSQL	Learning by Doing
36	69-70	Table creation	Debugging
37	71-72	Develop a PHP program to design a college application form using MYSQL table.	Demonstration
38	73-74	Retrieving records	Learning by Doing
39	75-76	Inserting records	Debugging
40	77-78	Design an authentication web page in PHP with MYSQL to check username and password.	Demonstration

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
41	79-80	Session functions	Learning by Doing
42	81-82	Session functions	Debugging
43	83-84	Write a program to store page views count in SESSION, to increment the count on each refresh and show the count on web page.	Demonstration
44	85-86	Session functions	Learning by Doing
45	87-88	COOKIE functions	Debugging
46	89-90	Write a PHP program to store current date-time in a COOKIE and display the 'Last Visited' on display time on the web page upon reopening of the same page.	Demonstration

Signature of the Staff

Signature of the HoD

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LESSON PLAN

Department of Computer Science

Batch: 2022-2024

Semester: VI

Name of the Staff: Dr.R.Saravanamoorthy

Name of the Subject: Systems Software

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
1.	1-2	UNIT I [12 Hours] Introduction: Language processors	CHALK & TALK
2.	3-5	Language processing activities	CHALK & TALK
3.	6-7	Fundamentals of language processing	CHALK & TALK
4.	8-11	Fundamentals of language specification	CHALK & TALK
5.	12-17	Language processor development tools	CHALK & TALK
6.	18	Revision	
7.	19-21	UNIT II [13 Hours] Introduction to Assemblers	CHALK & TALK
8.	22-24	Elements of Assembly language programming	CHALK & TALK
9.	25-27	A simple assembly scheme	PPT
10.	28-30	Pass structure of Assemblers	CHALK & TALK
11.	31	Design of a two pass assembler	CHALK & TALK
12.	32-33	Pass I of the Assembler	PPT
13.	34-35	Pass II of the Assembler	PPT
14.	36	Revision	
15.	37-38	UNIT III Introduction to Macros and Macro processor [11 Hours]	PPT
16.	39-41	Macro definition and call	CHALK & TALK
17.	42-44	Macro expansion	CHALK & TALK
18.	45-46	Nested Macro calls	CHALK & TALK
19.	47-49	Advanced macro facilities	CHALK & TALK
20.	50-51	Design of a macro preprocessor	PPT
21.	52-53	Design of a macro assembler	PPT
22.	54	Revision	

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
23.	55-60	UNIT IV Compilers and Interpreters- Aspects of Compilation	CHALK & TALK
24.	61-62	Memory allocation-Compilation of Expressions	PPT
25.	63-65	A toy code generator for expressions-Intermediate code for expressions	CHALK & TALK
26.	66-69	Compilation of control structures-Code optimization	CHALK & TALK
27.	70	Optimizing transformations	CHALK & TALK
28.	71	Local optimization – Global optimization	CHALK & TALK
29.	72-73	Interpreters, Revision	PPT
30.	74-76	UNIT -V [12 Hours] Linkers: Relocation and Linking concepts	CHALK & TALK
31.	77-78	Design of a Linker-Self relocating programs	CHALK & TALK
32.	79-81	Linking for overlays - Loaders	CHALK & TALK
33.	82-83	Software Tools: Software tools for program development	PPT
34.	84-86	Editors –Debug monitors	CHALK & TALK
35.	87-89	Programming environments – User interfaces	CHALK & TALK
36.	90	Revision	

Signature of the Staff

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LESSON PLAN

Department of Computer Science (SF)

Batch: 2022-2024

Semester: VI

Name of the Staff: A. Immaculate

Name of the Subject: Internet of Things

S.No	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS) etc
1	1	UNIT I Fundamentals of IoT	CHALK & TALK
2	2	Evolution of Internet of Things	CHALK & TALK
3	3	Enabling Technologies	CHALK & TALK
4	4	IoT Architectures: M2M	PPT
5	5	IoT World Forum (IoTWF)	PPT
6	6	Alternative IoT models	CHALK & TALK
7	7	Simplified IoT Architecture and Core IoT Functional Stack	CHALK & TALK

8	8	Fog, Edge and Cloud in IoT	CHALK & TALK
9	9	Functional blocks of an IoT ecosystem	CHALK & TALK
10	10	Sensors & Actuators	PDF
11	11	Smart Objects and Connecting Smart Objects.	PPT
12	12	Revision	PDF
13	13	UNIT II IoT Protocols	CHALK & TALK
14	14	IoT Access Technologies: : Physical and MAC layers	CHALK & TALK
15	15	Topology of IEEE 802.15.4	
16	16	Security of IEEE 802.15.4	CHALK & TALK
17	17	802.15.4g	CHALK & TALK
18	18	802.15.4e	CHALK & TALK
19	19	1901.2a, 802.11ah	CHALK & TALK
20	20	LoRaWAN	CHALK & TALK
21	21	Network Layer:	CHALK & TALK
22	22	IP versions	PDF
23	23	Optimizing IP forIoT	CHALK & TALK
24	24	From 6LoWPAN to 6Lo	PDF
25	25	Routing over Low Power	CHALK & TALK
26	26	Lossy Networks	CHALK & TALK
27	27	Application Layer Protocols	PPT
28	28	CoAP	PPT
29	29	MQTT	PPT
30	30	Revision	PPT
31	31	UNIT III : Design And Development	PDF
32	32	Design Methodology	PPT
33	33	Embedded computing logic	CHALK & TALK
34	34	Microcontroller	CHALK & TALK
35	35	System on Chips	CHALK & TALK

36	36	IoT system building blocks	PDF
37	37	Arduino - Board details	CHALK & TALK
38	38	IDE programming	CHALK & TALK
39	39	Raspberry Pi - Introduction	CHALK & TALK
40	40	Revision	CHALK & TALK
41	41	UNIT IV Data Analytics and Supporting Services	CHALK & TALK
42	42	Structured Vs Unstructured Data	CHALK & TALK
43	43	Data in Motion Vs Data in Rest	CHALK & TALK
44	44	Role of Machine Learning	CHALK & TALK
45	45	No SQL Databases	CHALK & TALK
46	46	Hadoop Ecosystem	PPT
47	47	Python Web Application Framework	PPT
48	48	Revision	PPT
49	49	UNIT V Case Studies/Industrial Applications	PPT
50	50	Cisco IoT system	PPT
51	51	IBM Watson	PPT & PDF
52	52	Watson IoT platform	CHALK & TALK
53	53	Watson IoT platform -Manufacturing	CHALK & TALK
54	54	Home Automation	CHALK & TALK
55	55	Smart cities	CHALK & TALK
56	56	Smart Agriculture	CHALK & TALK

57	57	Smart Parking Architecture	CHALK & TALK
58	58	Smart Traffic Control.	CHALK & TALK
59	59	Revision	PDF
60	60	Revision tests	PDF

A. Imma Ravee
Signature of the Staff
 (A. IMMA RAVEE)

Signature of the HoD

Dr. R. Saravana Moorthy
 M.Sc (SE), MCA, M.Phil, MBA (IT), OCP, Ph.D (CSE),
 Associate Professor & Head,
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 Kongunadu Arts and Science College,
 Coimbatore - 641 029.

KONGUNADU ARTS AND SCIENCE COLLEGE(AUTONOMOUS)

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LESSON PLAN

Department of Computer Science (SF)

Batch: 2023-2025

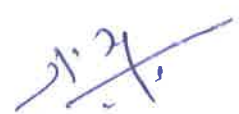
Semester: II

Name of the Staff: N. Paviyasre

Name of the Subject: .NET Framework LAB

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS) etc
1.	1-5	Program to create a font application using .NET IDE	Demonstration
2.	6-12	Program to create a calculator application using .NET IDE	Demonstration
3.	13-16	Program to create a Digital Clock in Windows Application	Demonstration
4.	17-22	Program to create a notepad application using .NET IDE	Demonstration
5.	23-30	Program to create a matrix multiplication using console application	Demonstration
6.	31-35	Program to display your biodata using ASP.NET	Demonstration
7.	36-42	Program to create a Validation Control using ASP.NET	Demonstration
8.	43-53	Program to create to create a website with login control using ASP.NET	Demonstration
9.	54-65	Program to create Registration Form using ASP.NET	Demonstration
10.	66-75	Program to create a simple project for Hotel Management using ADO.NET	Demonstration


Signature of the Staff


Signature of the HoD
Dr. R. Saravana Moorthy
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LESSON PLAN

Department of Computer Science(SF)

Bachelor of Computer Science

Batch: 2021-2024

Semester:VI

Class : III year

Name of the Staff:Dr.A.Nithya

Name of the Subject:Information Security

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
19.	39-41	Proposals for Multilevel Security	CHALK & TALK
20.	42-45	Data Mining	CHALK & TALK
21.	46	UNIT IV [15 Hours] Security in Networks: Network Concepts	CHALK & TALK
22.	47-49	Threats in Networks, Firewalls	CHALK & TALK
23.	50-51	Intrusion Detection Systems	PPT
24.	52-53	Web Security	PPT
25.	54	Web Application(In)Security	CHALK & TALK
26.	55-58	MobileSecurity	CHALK & TALK
27.	59-60	Rethinking Mobile Security	CHALK & TALK
28.	61-62	UNITV [15 Hours] Legal and Ethical Issues in Computer Security	PPT
29.	63-65	Protecting Programs and Data	CHALK & TALK
30.	66-69	Information and the Law	CHALK & TALK
31.	70-71	Computer Crime	PPT
32.	72-74	Ethical Issues in Computer Security	CHALK & TALK
33.	75	Revision	CHALK & TALK


Signature of the Staff


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LESSON PLAN

Department of Computer Science(SF)

Master of Computer Science

Batch: 2023-2025

Semester: II

Class : I year

Name of the Staff: Dr.A.Nithya

Name of the Subject: Network Security & Cryptography

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc
17.	36	Security of Hash Functions and MACs.	CHALK & TALK
18.	37-38	Hash and MAC Algorithms: Secure Hash algorithm-Whirlpool	PPT
19.	39-41	HMAC ,CMAC, Digital Signatures	CHALK & TALK
20.	42-45	Authentication protocols-Digital Signature Standard	CHALK & TALK
21.	46-47	UNIT IV [15 Hours] Network Security Applications:	CHALK & TALK
22.	48-49	Authentication Applications-	CHALK & TALK
23.	52-54	Electronic Mail Security	PPT
24.	55-58	IP Security	CHALK & TALK
25.	59-60	Web Security.	CHALK & TALK
26.	61-62	UNIT V [15 Hours] Intruders : Intrusion Detection	PPT
27.	63-66	Password Management, Viruses and Related Threats	CHALK & TALK
28.	67-69	Virus Counter measures	CHALK & TALK
29.	70-71	Firewall Design Principles	PPT
30.	72-74	Trusted Systems.	CHALK & TALK
31.	75	Revision	CHALK & TALK


Signature of the Staff


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LESSON PLAN

Department of Computer Science (SF)

Batch: 2023-2025

Semester: II

Name of the Staff: N. Paviyasre

Name of the Subject: .NET Framework

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS) etc
1.	1-3	Unit I: Understanding .Net-The .Net strategy-The origins of .Net technology	CHALK & TALK
2.	4-6	The .Net framework-The CLR-Framework base classes-Visual studio .net-.Net languages	CHALK & TALK
3.	7-8	Benefits of .Net approach-VB.NET-new in vb.net-operators	CHALK & TALK
4.	9-14	Conditionals & loops-Procedures, Scope & exception handling.	PPT
5.	15	Revision	
6.	13-15	UNIT II: Windows forms and controls-General controls: Label, textbox, button, rich textbox	CHALK & TALK
7.	16-19	Link labels, check boxes, radio button, combo box, list box, timer, progress bar.	CHALK & TALK
8.	20-27	Container controls: Group box, panel, tab control-tooltip-splitters- menus-menu items	CHALK & TALK
9.	28-29	context menus-built in dialog box	CHALK & TALK
10.	30	Revision	
11.	31-34	UNIT III: ASP.NET: Web forms: Buttons, textboxes, labels	PPT
12.	35-39	Literals, placeholders, checkboxes, radio buttons, tables	CHALK & TALK
13.	40-43	panels- images-image lists-tree and list view	CHALK & TALK
14.	44	Tool bars, status bar and progress bars.	CHALK & TALK
15.	45	Revision	
16.	46-49	UNIT IV: Image button, list boxes, drop down list, hyperlink & link button	CHALK & TALK

12.	50-54	Validation controls: required field, regular expression	CHALK & TALK
13.	55-58	Compare, range validators-calendars-adrotators	CHALK & TALK
14.	59	html controls	CHALK & TALK
15.	60	Revision	
16.	61-63	UNIT V: Data access with ADO.Net	CHALK & TALK
17.	64-67	Binding controls to database	CHALK & TALK
18.	68	database access with web applications	CHALK & TALK
19.	69-72	creating window services, web services	CHALK & TALK
20.	73-74	Deploying applications.	CHALK & TALK
21.	75	Revision	

N. P. me

Signature of the Staff

J. N.

Signature of the HoD

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LESSON PLAN

Master of Science

Department of Computer Science (SF)

Batch: 2023-2025

Semester: II

Name of the Staff: Mr.B.MANOGARAN

Name of the Subject: DATA MINING AND WAREHOUSING

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS) etc
1.	1-2	Unit I: Data Mining: Introduction - What is Decision tree?	CHALK & TALK
2.	3	Where to use Decision Trees	CHALK & TALK
3.	4-5	How the Decision Tree Works	CHALK & TALK
4.	6	Case Study	PPT
5.	7	Strengths and Weaknesses. Neural Networks	CHALK & TALK
6.	8-9	What is Neural Network?	CHALK & TALK
7.	10-11	Where to use Neural Networks	CHALK & TALK
8.	12-13	How the Neural Networks	CHALK & TALK
9.	14	Case Study	
10.	15	Strengths and Weaknesses.	
11.	16	UNIT II: GRID COMPUTING ARCHITECTURE : OGSA for Resource distribution	CHALK & TALK
12.	16	Nearest Neighbor and Clustering	CHALK & TALK
13.	17-18	Where to use Clustering and Nearest-Neighbor Prediction	CHALK & TALK
14.	19-20	How Clustering and Nearest-Neighbor Prediction Work	CHALK & TALK
15.	21	Case Study	CHALK & TALK
16.	22	Strengths and Weaknesses.	CHALK & TALK
17.	23-24	Genetic Algorithms	CHALK & TALK
18.	25-26	What are Genetic Algorithms	CHALK & TALK
19.	27-28	Where to use Genetic Algorithms	CHALK & TALK
20.	29-30	How the Genetic Algorithm works - Case Study - Strengths and Weaknesses.	CHALK & TALK

21.	31	UNIT III: Rule Induction	PPT
	32-33	Where to use Rule Induction	CHALK & TALK
	34-34	How Rule Induction Works	CHALK & TALK
	36	Case Study	CHALK & TALK
12.	37	Strengths and Weaknesses	CHALK & TALK
13.	38	Data Visualization	CHALK & TALK
14.	39	Data Visualization Principles	CHALK & TALK
	40	Parallel Coordinates	CHALK & TALK
	41	Visualizing Neural Networks	CHALK & TALK
	42	Visualization of Trees	CHALK & TALK
	43-44	State of the Industry	CHALK & TALK
15.	45	Revision	
16.	46	UNIT IV: Business Analysis	CHALK & TALK
22.	47	Reporting and Query Tools and Applications	CHALK & TALK
23.	48	Tool Categories	CHALK & TALK
24.	49	The Need for Applications	CHALK & TALK
25.	50-51	Cognos Impromptu	CHALK & TALK
26.	52	Applications.	CHALK & TALK
27.	53	On-Line Analytical Processing (OLAP):	CHALK & TALK
28.	54	Need for OLAP	CHALK & TALK
29.	55	Multidimensional Data Model	CHALK & TALK
30.	56	OLAP Guidelines	CHALK & TALK
31.	57	Multidimensional versus Multirelational	CHALK & TALK

		OLAP	
32	58	Categorization of OLAP Tools	CHALK & TALK
33	59	State of the Market	CHALK & TALK
34	60	OLAP Tools and the Internet.	CHALK & TALK
35	61	UNIT V: Data warehousing: Introduction	CHALK & TALK
36	62	Data Warehousing Components	
37	63	Overall Architecture	CHALK & TALK
38	64	Data Warehouse Database	
39	65	Sourcing, Acquisition, Cleanup, and Transformation Tools	
40	66	Metadata	CHALK & TALK
41	67	Access Tools	CHALK & TALK
42	68	Data Marts	CHALK & TALK
43	69	Data Warehouse Administration and Management	CHALK & TALK
44	70	Information Delivery System	CHALK & TALK
45	71	Applications of data warehousing and data mining in government: Introduction	CHALK & TALK
46	72-73	national data warehouses	CHALK & TALK
47	74	other areas for data warehousing and data mining.	CHALK & TALK
48	75	Revision	


Signature of the Staff


Signature of the HoD
Dr. R. Saravana Murthy
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LESSON PLAN

Department of Computer Science

Batch: 2022-2024

Semester: II

Course : M.Sc Computer Science I Year

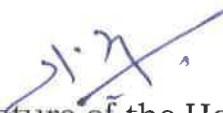
Name of the Staff: Dr.S.Velmurugan

Name of the Subject: Advanced Java Programming Lab (23PCS2CN)

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (LAB/PPT/FLIPPED CLASS etc
	UNIT I [14 Hours]		
1.	1-2	Introduction: Advanced Java Programming	LAB PPT
2.	3-4	Basic Java commands - Inheritance: basics,	LAB PPT
3.	5-6	Directories & Finding things Multilevel inheritance – Overriding – Dynamic method dispatch, inheritance and inner class	LAB PPT
4.	7-8	Packages and Interfaces, Importing Packages	LAB PPT
5.	9-10	Defining interface- Variables in interface- Implementing an interface.	LAB PPT
6.	11-12	create a Multilevel inheritance, Method Overriding and Abstraction program.	LAB PPT
7.	13-14	Revision	
	UNIT II [16 Hours]		
8.	15-18	Create a package and import package.	LAB
9.	19-20	Using try and catch Nested try statements - Throw – Throws – Finally – Creating own exceptions	LAB
10.	21-23	Creating a thread - Abstraction	LAB
11.	24-25	Resuming and stopping threads	PPT
12.	26-28	Create an interface program	LAB
13.	29-30	Revision	LAB
14.	UNIT III [15 Hours]		
15.	31-33	Using try and catch Nested try statements - Throw – Throws and Create and exceptional handling program.	PPT
16.	34-36	Thread model – Creating a thread – Multithreading program.	LAB
17.	37-39	Creating a thread – Multithreading program.	LAB
18.	40-42	File Input Stream-File Output Stream. Networking.	LAB
19.	43-44	Creating a file program.	LAB
20.	45	Revision	PPT
	UNIT IV (15Hours)		
21.	46-48	Event model - Event classes	LAB
22.	49-53	Event Listener interface Adapter classes	PPT
23.	54-55	Write an Event Handling program	LAB
24.	56-59	Write an Event Handling program	LAB
25.	60	Revision	LAB
26.			LAB

27.		UNIT V	
		(15Hours)	
28.	61-63	Swing – Japplet	LAB
29.	64-66	Create a graphics, color and font Icons and JLabel, JTextField, JPasswordField, JButton, panes program	LAB
30.	69-69	Create a graphics JButton, JCheckBox, JRadioButton, JComboBox, JScroll panes JTabbed panes – Trees – Tables program	LAB
31.	70-71	Create AWT components Controls Labels-Buttons- Checkboxes-Lists Text field – Layout managers - Menu bars and menus.	PPT
32.	72-73	Create Servlets – Simple Servlet – life cycle – Servlet API – Servlet Package.	LAB
33.	74	Swing – Japplet .	
34.	75	Revision	LAB


 Signature of the Staff


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 M.Sc (SE), MCA, M.Phil, MBA (IT), OCP, Ph.D (CSE),
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LESSON PLAN

Department of Computer Science (SF)

Batch: 2022-2024

Semester: IV

Name of the Staff: A.Immaculate

Name of the Subject: Internet of Things Lab

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS) etc
1.	1-5	Program to display a Welcome Message Using LED in Packet Tracer	Chalk & Talk with Demonstration at Lab
2.	6-12	Program to create Temperature Monitoring System Using Packet Tracer	Chalk & Talk with Demonstration at Lab
3.	13-16	Program to create Smoke Detection System Using Packet Tracer	Chalk & Talk with Demonstration at Lab
4.	17-22	Program to create Home Automation System Using Packet Tracer	Chalk & Talk with Demonstration at Lab
5.	23-30	Program to create Smart Irrigation System Using Packet Tracer	Chalk & Talk with Demonstration at Lab
6.	31-35	Program to display Fire Control System Using Packet Tracer	Chalk & Talk with Demonstration at Lab
7.	36-42	Program to create Wild Animal Detection System Using Packet Tracer	Chalk & Talk with Demonstration at Lab
8.	43-53	Program to create Traffic Control System Using Packet Tracer	Chalk & Talk with Demonstration at Lab
9.	54-65	Program to create Car Parking System Using Packet Tracer	Chalk & Talk with Demonstration at Lab
10.	66-75	Program to Control A LED Using Potentiometer In Packet Tracer	Chalk & Talk with Demonstration at Lab


Signature of the Staff

(A. INIMACULARE)


Signature of the HoD

Dr. R. Saravana Moorthy

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LESSON PLAN

Department of Computer Science

Batch: 2022-2024

Semester: II

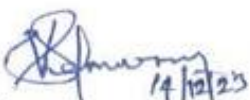
Course : M.Sc Computer Science I Year

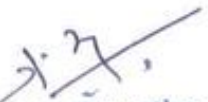
Name of the Staff: Dr.S.Velmurugan

Name of the Subject: Advanced Java Programming (23PCS203)

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS etc)
	UNIT I	[14 Hours]	
1	1-2	Introduction: Java Programming	CHALK & TALK
2	3-4	Inheritance: basics, Using super keyword	CHALK & TALK
3	5-6	Multilevel inheritance – Overriding – Dynamic method dispatch	CHALK & TALK
4	7-8	Abstract – Using final with inheritance	CHALK & TALK
5	9-10	Packages and Interfaces Access protection- Importing Packages	CHALK & TALK
6	11-12	Interface – Defining interface- Variables in interface- Implementing an interface.	CHALK & TALK
7	13-14	Revision	
	UNIT II	16 Hours	
8	15-18	Exception handling: Fundamentals – Using try and catch	CHALK & TALK
9	19-20	Nested try statements - Throw – Throws – Finally – Using built in exceptions – Creating own exceptions	CHALK & TALK
10	21-23	Multithreading: Thread model – Creating a thread- Using is Alive() and join()	CHALK & TALK
11	24-25	Thread priorities – Synchronization – Deadlock- Suspending, resuming and stopping threads	PPT
12	26-28	File Input Stream-File Output Stream. Networking: Inet address TCP/IP client/ server sockets.- Datagram.	CHALK & TALK
13	29-30	Applet Class: Applet basics-Applet Skeleton-A simple Applet-HTML Applet tag.	CHALK & TALK
14	UNIT III	[15 Hours]	
15	31-33	Event handling: Event model - Event classes - Event Listener interface Adapter classes.	PPT
16	34-36	Graphics: Window Fundamentals - Working with graphics, color and font.	CHALK & TALK
17	37-39	AWT Controls Fundamentals –	CHALK & TALK
18	40-42	Labels-Buttons- Checkboxes-Lists	CHALK & TALK
19	43-44	Text field – Layout managers - Menu bars and menus.	CHALK & TALK
20	45	Revision	PPT
	UNIT IV	(15Hours)	
21	46-48	JDBC Connecting java with Oracle-Java Beans	CHALK & TALK
22	49-53	Advantages – using BDK	PPT

23.	54-55	JAR files – Introspection	CHALK & TALK
24.	56-59	Developing simple bean using the BDK *.	CHALK & TALK
25.	60	JDBC Revision	CHALK & TALK
26.			
27.	UNIT V (15Hours)		
28.	61-63	Swing – JApplet	CHALK & TALK
29.	64-66	Icons and JLabel, JTextField, JPasswordField, JButton,	CHALK & TALK
30.	69-69	JCheckBox, JRadio Button, JCombo Box, JScroll panes	CHALK & TALK
31.	70-72	JTabbed panes – Trees – Tables.	PPT
32.	73-74	Servlets – Simple Servlet – life cycle – Servlet API – Servlet Package.	CHALK & TALK
33.	75	Servlet API – Servlet Package. Revision	CHALK & TALK


 Signature of the Staff


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First Year (Semester – II)

Sub.Code:23PCS203

ProgrammeCode:09		M.Sc. Computer Science	
Title of the Paper: Core Paper 3: Advanced Java Programming			
Batch	Hours/Week	Total Hours	Credits
2023-2024	5	75	4
Course Objectives			
1. To understand the basic concepts of Object oriented programming.			
2. To inculcate the concepts of networking and graphics offering a GUI environment.			
3. To educate the concepts of database management and essentials of Servlets.			
Course Outcomes(CO)			
K1 toK5	CO1	Ability to understand the applications in OOPS paradigm.	
	CO2	Student can establish Client-Server network and enable Multi threaded applications	
	CO3	Will Effectively use Applets, Eventand Construction of Bean API, providing a GUI environment,	
	CO4	Capable of better Backend Management, Can compose complex Applications with Swings and Servlet.	
	CO5	Develop applets for web applications and design GUI Based applications	
Syllabus			
UNIT I		(14Hours)	
Introduction: Inheritance: basics-Using super keyword- Multilevel inheritance – Overriding – Dynamic method dispatch – Abstract – Using final with inheritance.			
Packages and Interfaces: Packages- Access protection-Importing Packages. Interface – Defining interface- Variables in interface-Implementing an interface.			
UNIT II		(16Hours)	
Exception handling: Fundamentals – Using try and catch – Nested try statements - Throw – Throws – Finally – Using built in exceptions – Creating own exceptions.			
Multithreading: Thread model – Creating a thread- Using is Alive() and join() Thread priorities – Synchronization – Deadlock- Suspending ,resuming and stopping threads. File Input Stream- File Output Stream. Networking: Inet address TCP/IP client/ server sockets.- Datagrams.			
Applet Class: Applet basics-Applet Skeleton-A simple Applet-HTML Applet tag.			
UNIT III		(15Hours)	
Event handling: Event model - Event classes - Event Listener interface- Adapter classes,			

Graphics: Window Fundamentals - Working with graphics, color and font. AWT Controls Fundamentals – Labels-Buttons- Checkboxes-Lists – Text field – Layout managers - Menu bars and menus.	
UNIT IV	(15Hours)
JDBC: Connecting java with Oracle-Java Beans: Advantages – using BDK – JAR files – Introspection- Developing simple bean using the BDK *.	
UNIT V	(15Hours)
Swing – Japplet – Icons and JLabel, JTextField, JPasswordField, JButton, JCheckBox, JRadioButton, JComboBox, JScroll panes - JTabbed panes – Trees – Tables. Servlets – Simple Servlet – life cycle Servlet API Servlet Package.	
*Self-study and questions for examinations may be taken from these self-study portions also.	
Teaching Methods:	
Chalk and Talk/ Smart Classroom/Powerpoint presentation/Seminar/Quiz/Discussion/Flipped Class/peer Learning/Experiential Learning/Blended Learning	
Text Book:	
1. Herbert Schildt, "Java, The Complete Reference", Eighth edition, Tata McGraw Hill Publication, 2011. 2. E.Ramraj, P.Geetha, S.Muthukumaran Advanced Java Programming", YesDee Publishing, 2020	
Reference Books:	
1. Cay S. Horstmann, Gary Cornell, (2013), "Core Java®®, Volume II—Advanced Features, Ninth Edition" Prentice Hall. 2. Hariom Choudhary, (2015), "Introduction to Java Programming, Comprehensive Version 2014-2015".	

Sub.Code:23PCS2CN

ProgrammeCode:09		M.Sc. Computer Science	
Title of the Paper:		Core Practical 3 – Advanced Java Lab	
Batch	Hours/Week	Total Hours	Credits
2023-2024	5	75	4
Course Objectives			
1. The course inculcates the fundamentals and dynamics of OOPs paradigm. 2. To demonstrate the GUI and advanced functionalities enriching the development skill. 3. To simulate the industrial demands and expertise in the specified domain.			
Course Outcomes (CO)			
K1 toK5	CO1	Students will be capable to understand and apply the better usage of OOPs concept.	
	CO2	Proficient in developing GUI environment and event handling	
	CO3	Establishing networks with socket programming and Sessions	
	CO4	Simulates applications with Swings and Servlets.	
	CO5	Solve problems using Java collection framework and I/O classes	
LIST OF PRACTICAL PROBLEMS			
1. Develop applications using package, polymorphism, inheritance and inner class. 2. Applications with applets and sockets. 3. Application with Swing and JDBC concepts. 4. Create applications with multithreading and file concepts.			
Teaching Methods:			
Program Demonstration ,simulation, assignment, Discussion and Hands on training using LCD Projector.			
Guide lines to the distribution of marks for Practical Examinations:			
CIA: Total marks– 40 [Practical– 25, Observation-10,Attendance– 5]			
ESE: Two Questions will be given for each student (3Hours / 60 Marks)Record Work-10MarksAlgorithm, Coding and execution–5 0Marks			

Particulars	Program1 (Marks)	Program2 (Marks)
Algorithm	5	5
Program Coding	15	15
Execution & viva voce	5	5

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LESSON PLAN

Master of Science

Department of Computer Science (SF)

Batch: 2022-2024

Semester: IV

Name of the Staff: Mr.B.MANOGRAN

Name of the Subject: ADVANCED COMPUTING [2022- 2024 Batch]

S.NO	HOUR	PORTIONS TO BE COVERED	MODE OF INSTRUCTIONS/DELIVERY (CHALK & TALK/PPT/FLIPPED CLASS) etc
1.	1	Unit I: GRID COMPUTING Grid Computing -The data Centre, the Grid and the distributed/High performance computing	CHALK & TALK
2.	2	Cluster computing and Grid computing	CHALK & TALK
3.	3	Meta computing	CHALK & TALK
4.	4	Scientific, business and E-Governance Grids	PPT
5.	5	web services and Grid computing	CHALK & TALK
6.	6,7,8	Technologies and architecture for Grid computing.	CHALK & TALK
7.	9,10,11,12	World wide Grid Computing Activities, Organizations and projects.	CHALK & TALK
8.	3,14	IWeb services and the Service oriented Architecture (SOA).	CHALK & TALK
9.	15	Revision	
10.	16	UNIT II: GRID COMPUTING ARCHITECTURE : OGSA for Resource distribution	CHALK & TALK
11.	16	Stateful web services in OGSA	CHALK & TALK
12.	17	Web services Resource Framework(WSRF)	CHALK & TALK
13.	18	Resource approach to stateful services	CHALK & TALK
14.	19, 20	WSRF specification	CHALK & TALK
15.	21-23	Globus Toolkit.	CHALK & TALK
16.	24-25	Grid Resource Management system	CHALK & TALK
17.	26-28	Grid Security Requirements	CHALK & TALK
18.	29	Data management challenges.	CHALK & TALK

19.	30	Revision	
20.	31	UNIT III: CLUSTER COMPUTING ; Approaches to parallel computing	PPT
	32	How to achieve low cost parallel computing through clusters	CHALK & TALK
	33	Definition and architecture of a cluster	CHALK & TALK
	34	Cluster Middleware : An Introduction	CHALK & TALK
12.	35	Levels and layers of single system Image (SSI) –	CHALK & TALK
13.	36	Cluster middleware design objectives	CHALK & TALK
14.	37	Resource Management and scheduling	CHALK & TALK
	38-39	Cluster programming environment and tools.	CHALK & TALK
	40-41	Process Scheduling	CHALK & TALK
	42-44	Load sharing and Load balancing.	CHALK & TALK
15.	45	Revision	
16.	46	UNIT IV: UNDERSTANDING CLOUD COMPUTING: Cloud Computing	CHALK & TALK
21.	47	History of Cloud Computing	CHALK & TALK
22.	48-49	Cloud Architecture	CHALK & TALK
23.	50-51	Cloud Storage	CHALK & TALK
24.	52-53	Why Cloud Computing Matters	CHALK & TALK
25.	54-55	Advantages of Cloud Computing	CHALK & TALK
26.	56	Disadvantages of Cloud Computing	CHALK & TALK
27.	57-58	Companies in the Cloud Today	CHALK & TALK
28.	59	Cloud Services	CHALK & TALK
29.	60	Revision	

30.	61-62	UNIT V: DEVELOPING CLOUD SERVICES: Web-Based Application	CHALK & TALK
31.	63-64	Pros and Cons of Cloud Service Development –	CHALK & TALK
32.	65-66	Types of Cloud Service Development – Software as a Service – Platform as a Service – Web Services – On-Demand Computing	CHALK & TALK
33.	67-68	Discovering Cloud Services Development Services and Tools – Amazon Ec2 – Google App Engine – IBM Clouds.	CHALK & TALK
34.	69-70	Cloud Computing for the family	CHALK & TALK
35.	71-72	Cloud Computing for the Community	CHALK & TALK
36.	73-74	Cloud Computing for the Corporation.	CHALK & TALK
37.	75	Revision	


Signature of the Staff


Signature of the HoD
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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : S. VELMURUGAN.,
Year/Semester/Section : II/III/All
Degree & Branch : COMPUTER SCIENCE
Subject Code & Name : 22PCS3CQ & CORE PRACTICAL 6 - UNIX PROGRAMMING LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	19/06/2023	1	Basic UNIX commands - Files	LAB		
2	19/06/2023	2	Basic UNIX commands - Files	LAB		
3	20/06/2023	1	Basic UNIX commands - Files	CHALK AND TALK		
4	20/06/2023	2	Basic UNIX commands - Files	CHALK AND TALK		
5	21/06/2023	4	Basic UNIX commands - Directories & Finding things	CHALK AND TALK, LAB		
6	21/06/2023	5	Basic UNIX commands - Directories & Finding things	LAB		
7	27/06/2023	1	Basic UNIX commands - Directories & Finding things	CHALK AND TALK, LAB		

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8	27/06/2023	2	Basic UNIX command-About other people, your (electronic) self	LAB		
9	28/06/2023	1	Basic UNIX command-About other people, your (electronic) self	CHALK AND TALK,LAB		
10	28/06/2023	2	Basic UNIX command-About other people, your (electronic) self	CHALK AND TALK		
11	30/06/2023	4	Basic UNIX command-About other people, your (electronic) self	CHALK AND TALK,LAB		
12	30/06/2023	5	Basic UNIX command-About other people, your (electronic) self	LAB		
13	06/07/2023	1	Basic UNIX command-About other people, your (electronic) self	CHALK AND TALK,LAB		
14	06/07/2023	2	Basic UNIX command -Connecting to the outside world,	CHALK AND TALK,LAB		
15	07/07/2023	1	Basic UNIX command -Connecting to the outside world,	CHALK AND TALK,LAB		
16	07/07/2023	2	UTILITY COMMANDS -cal date, echo, printf, bc	LAB		

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17	10/07/2023	4	UTILITY COMMANDS -cal date, echo, printf, bc	LAB		
18	10/07/2023	5	UTILITY COMMANDS -cal date, echo, printf, bc	LAB		

Unit 2

19	14/07/2023	1	UTILITY COMMANDS- script, passwd,PATH, who, uname, tty	LAB		
20	14/07/2023	2	UTILITY COMMANDS- script, passwd,PATH, who, uname, tty	LAB		
21	17/07/2023	1	UTILITY COMMANDS- script, passwd,PATH, who, uname, tty	CHALK AND TALK, LAB		
22	17/07/2023	2	GENERAL-PURPOSE UTILITIES: sty, pwd, cd, mkdir, rmdir, od	LAB		
23	18/07/2023	4	GENERAL-PURPOSE UTILITIES: sty, pwd, cd, mkdir, rmdir, od	LAB		

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24	18/07/2023	5	GENERAL-PURPOSE UTILITIES: sty, pwd, cd, mkdir, rmdir, od	LAB		
25	24/07/2023	1	Redirecting and pipes	LAB		
26	24/07/2023	2	FILECOMMAND Touch, Cat,	LAB		
27	25/07/2023	1	AWK: Execution, Fields and Records, Scripts,	LAB		
28	25/07/2023	2	AWK: Execution, Fields and Records, Scripts,	LAB		
29	26/07/2023	4	INTRODUCTION TO SHELLS	LAB		
30	26/07/2023	5	FILECOMMAND Cp, Mv, Rm, Mkdir	LAB		
31	01/08/2023	1	ARITHMETICOPERATIONS	LAB		
32	01/08/2023	2	ARITHMETICOPERATIONS	LAB		
33	02/08/2023	1	STUDENTMARKLIST	LAB		
34	02/08/2023	2	STUDENTMARKLIST	LAB		

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35	04/08/2023	4	Output, Input, Exit Status of a Command	LAB		
36	04/08/2023	5	EMPLOYEEPAYSLIP	LAB		
Unit 3						
37	10/08/2023	1	EMPLOYEEPAYSLIP	LAB		
38	10/08/2023	2	EMPLOYEEPAYSLIP	LAB		
39	11/08/2023	1	EMPLOYEEPAYSLIP	LAB		
40	11/08/2023	2	ELECTRICITYBILL	LAB		
41	14/08/2023	4	Shell Edition Environment Customization	LAB		
42	14/08/2023	5	Variables	LAB		
43	19/08/2023	1	Operations, Patterns	LAB		
44	19/08/2023	2	Cut and Paste, Sorting, Translating Characters, Ordering a File, uniq	LAB		
45	21/08/2023	1	Concatenating files, Display Beginning and End of files	LAB		

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46	21/08/2023	2	Operators, GREP: Operation	LAB		
47	22/08/2023	4	INTERACTIVE C SHELL: C shell features, Two Special Files	LAB, DEMO		
48	22/08/2023	5	eval Command, Environmental Variables	LAB		
49	29/08/2023	1	Shell Features	LAB		
50	29/08/2023	2	grep Family, Searching for File Content.	LAB		
51	30/08/2023	1	STUDENTMARKLIST	LAB		
52	30/08/2023	2	Concatenating files, Display Beginning and End of files	LAB		
53	31/08/2023	4	grep Family, Searching for File Content.	LAB		
54	31/08/2023	5	Operators, GREP: Operation	LAB		
Unit 4						
55	07/09/2023	1	GREPCOMMAND	LAB		


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56	07/09/2023	2	GREP COMMAND	LAB		
57	08/09/2023	1	Operators, GREP: Operation	LAB		
58	08/09/2023	2	grep Family, Searching for File Content.	LAB		
59	11/09/2023	4	INTERACTIVE C SHELL: C shell features, Two Special Files	LAB		
60	11/09/2023	5	SEDCOMMAND Scripts, Operation, Addresses,	LAB		
61	15/09/2023	1	SEDCOMMAND Scripts, Operation, Addresses,	LAB		
62	15/09/2023	2	SEDCOMMAND commands, Applications, grep and sed.	LAB, BOARD		
63	18/09/2023	1	SEDCOMMAND commands, Applications, grep and sed.	LAB		
64	18/09/2023	2	Tee COMMAND	LAB		
65	19/09/2023	4	SEDCOMMAND commands, Applications, grep and sed.	LAB		

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66	19/09/2023	5	SEDCOMMAND commands, Applications, grep and sed.	LAB		
67	25/09/2023	1	A Command Execution	LAB		
68	25/09/2023	2	STUDENTMARKLIST	LAB		
69	26/09/2023	1	STUDENTMARKLIST	LAB		
70	26/09/2023	2	Output, Input, Exit Status of a Command	LAB		
71	27/09/2023	4	MINIMUMMAXIMUMFUNCTION	LAB		
72	27/09/2023	5	MINIMUMMAXIMUMFUNCTION	LAB		
Unit 5						
73	06/10/2023	1	GREPCOMMAND	LAB		
74	06/10/2023	2	GREPCOMMAND	LAB		
75	07/10/2023	1	Operators, GREP: Operation	LAB		
76	07/10/2023	2	Operators, GREP: Operation	LAB		

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77	09/10/2023	4	grep Family, Searching for File Content.	LAB		
78	09/10/2023	5	Revision-EMPLOYEEPAYSLIP	LAB		
79	13/10/2023	1	REVISION STUDENT MARKLIST	LAB		
80	13/10/2023	2	REVISION - ARITHMETIC OPERATIONS	LAB		
81	16/10/2023	1	ELECTRICITY BILL - REVISION	LAB		
82	16/10/2023	2	GREPCOMMAND	LAB		
83	17/10/2023	4	AWK: Execution, Fields and Records, Scripts,	LAB		
84	17/10/2023	5	SEDCOMMAND commands, Applications, grep and sed.	LAB		
85	24/10/2023	1	REVISION - MINIMUM MAXIMUM FUNCTION	LAB		
86	24/10/2023	2	Model Practicals	LAB		
87	25/10/2023	1	Model Practicals	LAB		

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88	25/10/2023	2	Revision	LAB		
89	26/10/2023	4	Revision	LAB		
90	26/10/2023	5	Revision	LAB		


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