



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 : Mrs. HEMA LATHA.D.,
Year/Semester/Section : III/Additional
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 23UCA202 & CORE PAPER 2 - OBJECT ORIENTED PROGRAMMING WITH C++

Unit 1

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
1	04/12/2023	5	Procedure Oriented Programming	CHALK AND TALK		Object Oriented Programming with C++: Chapter-1, Pages:4-5
2	05/12/2023	1	Procedure Oriented Programming	CHALK AND TALK		Object Oriented Programming with C++: Chapter-1, Pages:5-5
3	07/12/2023	5	Basic Concepts of Object-Oriented Programming	CHALK AND TALK		Object Oriented Programming with C++: Chapter-1, Pages:6-7
4	11/12/2023	1	Basic Concepts of Object-Oriented Programming	CHALK AND TALK		Object Oriented Programming with C++: Chapter-1, Pages:8-9
5	11/12/2023	5	Beginning with C++	CHALK AND TALK		Object Oriented Programming with C++: Chapter-2, Pages:16-17
6	12/12/2023	5	Beginning with C++	CHALK AND TALK		Object Oriented Programming with C++: Chapter-2, Pages:18-21



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7	13/12/2023	1	Beginning with C++	CHALK AND TALK	Object Oriented Programming with C++: Chapter-2, Pages:23-25
8	15/12/2023	5	Expression & Control Structure	CHALK AND TALK	Object Oriented Programming with C++: Chapter-3, Pages:29-33
9	19/12/2023	1	Expression & Control Structure	CHALK AND TALK	Object Oriented Programming with C++: Chapter-3, Pages:33-36
10	19/12/2023	5	Data Types	CHALK AND TALK	Object Oriented Programming with C++: Chapter-3, Pages:31-33
11	20/12/2023	5	Reference Variables	CHALK AND TALK	Object Oriented Programming with C++: Chapter-3, Pages:41-43
12	21/12/2023	1	Operators in C++	CHALK AND TALK	Object Oriented Programming with C++: Chapter-3, Pages:43-45
13	26/12/2023	5	Scope Resolution Operator , Type Cast Operator	CHALK AND TALK	Object Oriented Programming with C++: Chapter-3, Pages:43-52
14	02/01/2024	1	Branching & Looping.	CHALK AND TALK	Object Oriented Programming with C++: Chapter-3, Pages:58-63
Unit 2					
15	04/01/2024	5	Functions:	CHALK AND TALK	Object Oriented Programming with C++: Chapter-4, Pages:69-70
16	08/01/2024	1	Function Prototypes	CHALK AND TALK	Object Oriented Programming with C++: Chapter-4, Pages:70-72
17	08/01/2024	5	Call by Reference	CHALK AND TALK	Object Oriented Programming with C++: Chapter-4, Pages:72-72



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18	09/01/2024	5	Return by Reference	CHALK AND TALK		Object Oriented Programming with C++: Chapter-4, Pages:73-73
19	10/01/2024	1	Inline Functions	CHALK AND TALK		Object Oriented Programming with C++: Chapter-4, Pages:73-75
20	12/01/2024	5	Default & Const Argument	CHALK AND TALK		Object Oriented Programming with C++: Chapter-4, Pages:75-76
21	22/01/2024	5	Function Overloading	CHALK AND TALK		Object Oriented Programming with C++: Chapter-4, Pages:79-82
22	23/01/2024	1	Friend Functions	CHALK AND TALK		Object Oriented Programming with C++: Chapter-4, Pages:82-82

Unit 3

23	27/01/2024	5	Classes & Objects	CHALK AND TALK		Object Oriented Programming with C++: Chapter-5, Pages:88-90
24	30/01/2024	1	Classes & Objects	CHALK AND TALK		Object Oriented Programming with C++: Chapter-5, Pages:93-97
25	30/01/2024	5	Classes & Objects	CHALK AND TALK		Classes & Objects : Chapter-5, Pages:97-99
26	31/01/2024	5	Classes & Objects	CHALK AND TALK		Classes & Objects : Chapter-5, Pages:104-107
27	01/02/2024	1	Classes & Objects	CHALK AND TALK		Classes & Objects : Chapter-5, Pages:107-113
28	03/02/2024	1	Classes & Objects	CHALK AND TALK		Classes & Objects : Chapter-5, Pages:118-122
29	03/02/2024	5	Constructors and Destructors	CHALK AND TALK		Object Oriented Programming with C++: Chapter-6, Pages:129-130



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30	05/02/2024	5	Constructors	CHALK AND TALK	Object Oriented Programming with C++: Chapter-6, Pages:130-130
31	07/02/2024	1	Parameterized Constructors	CHALK AND TALK	Object Oriented Programming with C++: Chapter-6, Pages:131-133
32	07/02/2024	5	Multiple Constructors in a Class	CHALK AND TALK	Object Oriented Programming with C++: Chapter-6, Pages:133-135
33	08/02/2024	5	Copy Constructors	CHALK AND TALK	Object Oriented Programming with C++: Chapter-6, Pages:136-136
34	09/02/2024	1	Destructors.	CHALK AND TALK	Object Oriented Programming with C++: Chapter-6, Pages:144-144
Unit 4					
35	12/02/2024	5	Operator Overloading	CHALK AND TALK	Object Oriented Programming with C++: Chapter-7, Pages:153-155
36	14/02/2024	1	Operator Overloading	CHALK AND TALK	Object Oriented Programming with C++: Chapter-7, Pages:156-162
37	14/02/2024	5	Operator Overloading	CHALK AND TALK	Object Oriented Programming with C++: Chapter-7, Pages:162-168
38	15/02/2024	5	Inheritance	CHALK AND TALK	Object Oriented Programming with C++: Chapter-8, Pages:180-182
39	16/02/2024	1	Defining derived class	CHALK AND TALK	Object Oriented Programming with C++: Chapter-8, Pages:182-185
40	17/02/2024	5	Types of inheritance	CHALK AND TALK	
41	20/02/2024	5	Types of inheritance	CHALK AND TALK	Object Oriented Programming with C++: Chapter-8, Pages:195-201

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Coordinator

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42	22/02/2024	1	Virtual Base Class	CHALK AND TALK		Object Oriented Programming with C++: Chapter-8, Pages:203-206
43	22/02/2024	5	Pointers:	CHALK AND TALK		Object Oriented Programming with C++: Chapter-9, Pages:225-225
44	23/02/2024	5	This pointer	CHALK AND TALK		Object Oriented Programming with C++: Chapter-9, Pages:239-240
45	26/02/2024	1	Pointers to Objects	CHALK AND TALK		Object Oriented Programming with C++: Chapter-9, Pages:235-235
46	28/02/2024	5	Virtual functions & Polymorphism	CHALK AND TALK		Object Oriented Programming with C++: Chapter-9, Pages:242-246
47	01/03/2024	1	Templates	FLIPPED CLASS	https://www.geeksforgeeks.org/templates-cpp/	

Unit 5

48	01/03/2024	5	Working with Files	CHALK AND TALK		Object Oriented Programming with C++: Chapter-11, Pages:288-289
49	04/03/2024	5	Classes for file stream operation	CHALK AND TALK		Object Oriented Programming with C++: Chapter-11, Pages:289-290
50	05/03/2024	1	Opening and closing a file	CHALK AND TALK		Object Oriented Programming with C++: Chapter-11, Pages:290-290
51	07/03/2024	5	File pointers and their manipulations	CHALK AND TALK		Object Oriented Programming with C++: Chapter-11, Pages:299-300
52	11/03/2024	1	Command Line Arguments	CHALK AND TALK		Object Oriented Programming with C++: Chapter-11, Pages:313-313



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53	11/03/2024	5	Command Line Arguments	CHALK AND TALK		Object Oriented Programming with C++: Chapter-11, Pages:314-314
54	12/03/2024	5	command line arguments	CHALK AND TALK		Object Oriented Programming with C++
55	13/03/2024	1	command line examples	CHALK AND TALK		Object Oriented Programming with C++
56	15/03/2024	5	command line examples	CHALK AND TALK		Object Oriented Programming with C++
57	16/03/2024	1	command line examples	CHALK AND TALK		Object Oriented Programming with C++
58	16/03/2024	5	command line examples	CHALK AND TALK		Object Oriented Programming with C++
59	19/03/2024	1	command line example	CHALK AND TALK		Object Oriented Programming with C++
60	19/03/2024	5	file programs	CHALK AND TALK		Object Oriented Programming with C++
61	20/03/2024	5	file programs	CHALK AND TALK		Object Oriented Programming with C++
62	21/03/2024	1	file programs	CHALK AND TALK		Object Oriented Programming with C++
63	25/03/2024	5	file programs	CHALK AND TALK		Object Oriented Programming with C++
64	27/03/2024	1	file programs	CHALK AND TALK		Object Oriented Programming with C++
65	27/03/2024	5	programs revision	CHALK AND TALK		Object Oriented Programming with C++
66	28/03/2024	5	programs revision	CHALK AND TALK		Object Oriented Programming with C++

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67	01/04/2024	1	programs revision	CHALK AND TALK		Object Oriented Programming with C++
68	03/04/2024	5	programs revision	CHALK AND TALK		Object Oriented Programming with C++
69	05/04/2024	1	programs revision	CHALK AND TALK		Object Oriented Programming with C++
70	05/04/2024	5	programs revision	CHALK AND TALK		Object Oriented Programming with C++
71	06/04/2024	5	programs revision	CHALK AND TALK		Object Oriented Programming with C++
72	08/04/2024	1	programs revision	CHALK AND TALK		Object Oriented Programming with C++
73	12/04/2024	5	Revision	CHALK AND TALK		Object Oriented Programming with C++
74	16/04/2024	1	revision	CHALK AND TALK		Object Oriented Programming with C++
75	16/04/2024	5	Revision	CHALK AND TALK		Object Oriented Programming with C++



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. HEMA LATHA.D.,
Year/Semester/Section : I/II/Additional
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 23UCA2CM & CORE PRACTICAL 2 - OBJECT ORIENTED PROGRAMMING WITH C++ LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	2	basic operations example	LAB	https://www.programiz.com/cpp-programming/examples	
2	05/12/2023	4	operators example	LAB	https://www.geeksforgeeks.org/operators-in-cpp/	
3	06/12/2023	5	operators example	LAB	https://www.geeksforgeeks.org/operators-in-cpp/	
4	07/12/2023	1	operators example	LAB	https://www.geeksforgeeks.org/operators-in-cpp/	
5	08/12/2023	3	operators example	LAB	https://www.geeksforgeeks.org/operators-in-cpp/	
6	12/12/2023	2	control structures example	LAB	https://cplusplus.com/doc/tutorial/control/	
7	13/12/2023	4	control structures	LAB	https://cplusplus.com/doc/tutorial/control/	
8	14/12/2023	5	control structures	LAB	https://cplusplus.com/doc/tutorial/control/	
9	15/12/2023	1	control structures	LAB	https://cplusplus.com/doc/tutorial/control/	
10	18/12/2023	3	control structures	LAB	https://cplusplus.com/doc/tutorial/control/	
Unit 2						
11	20/12/2023	2	class and object example program	LAB	https://www.w3schools.com/cpp/cpp_classes.asp	

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12	21/12/2023	4	program to implement the concept of classes and objects	LAB	https://www.w3schools.com/cpp/cpp_classes.asp	
13	22/12/2023	5	functions and its types	LAB	https://www.geeksforgeeks.org/functions-in-cpp/	
14	26/12/2023	1	functions and types	LAB	https://www.geeksforgeeks.org/functions-in-cpp/	
15	27/12/2023	3	Program to implement the types of function	LAB	https://www.geeksforgeeks.org/functions-in-cpp/	
16	02/01/2024	4	function overloading example program	LAB	https://www.programiz.com/cpp-programming/function-overloading	
17	03/01/2024	5	Program to implement the concept of function overloading	LAB	https://www.programiz.com/cpp-programming/function-overloading	
Unit 3						
18	04/01/2024	1	Example program for constructors	LAB	https://www.geeksforgeeks.org/constructors-c/	
19	05/01/2024	3	Example program for destructors	LAB	https://doctortutorials.net/lesson/destructors-in-cpp/	
20	09/01/2024	2	Program to implement the concept of constructors	LAB	https://www.w3schools.com/cpp/cpp_constructors.asp	
21	10/01/2024	4	example program for copy constructors	LAB	https://www.w3schools.com/cpp/cpp_constructors.asp	
22	11/01/2024	5	Copy constructors	LAB	https://www.w3schools.com/cpp/cpp_constructors.asp	
23	12/01/2024	1	constructor with default arguments	LAB	https://www.w3schools.com/cpp/cpp_constructors.asp	
Unit 4						
24	22/01/2024	2	Example of operator overloading	LAB	https://www.geeksforgeeks.org/operator-overloading-cpp/	
25	23/01/2024	4	operator overloading	LAB	https://www.geeksforgeeks.org/operator-overloading-cpp/	
26	24/01/2024	5	Program to implement the concept of operator overloading	LAB	https://www.geeksforgeeks.org/operator-overloading-cpp/	

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27	27/01/2024	1	types of inheritance	LAB	https://www.simplilearn.com/tutorials/cpp-tutorial/types-of-inheritance-in-cpp	
28	29/01/2024	3	types of inheritance	LAB	https://www.simplilearn.com/tutorials/cpp-tutorial/types-of-inheritance-in-cpp	
29	31/01/2024	2	Types of inheritance	LAB	https://www.simplilearn.com/tutorials/cpp-tutorial/types-of-inheritance-in-cpp	
30	01/02/2024	4	types of inheritance	LAB	https://www.simplilearn.com/tutorials/cpp-tutorial/types-of-inheritance-in-cpp	
31	02/02/2024	5	types of inheritance	LAB	https://www.simplilearn.com/tutorials/cpp-tutorial/types-of-inheritance-in-cpp	
32	05/02/2024	1	types of Inheritance	LAB	https://www.simplilearn.com/tutorials/cpp-tutorial/types-of-inheritance-in-cpp	
33	06/02/2024	3	types of inheritance	LAB	https://www.simplilearn.com/tutorials/cpp-tutorial/types-of-inheritance-in-cpp	
34	08/02/2024	2	Program to implement the concept of Inheritance	LAB	https://www.simplilearn.com/tutorials/cpp-tutorial/types-of-inheritance-in-cpp	
35	09/02/2024	4	Example program for virtual base class	LAB	https://www.simplilearn.com/tutorials/cpp-tutorial/types-of-inheritance-in-cpp	
36	12/02/2024	1	Example for pointers	LAB	https://www.geeksforgeeks.org/cpp-pointers/	
37	13/02/2024	3	Example of pointers	LAB	https://www.geeksforgeeks.org/cpp-pointers/	
38	15/02/2024	2	Pointers to objects example	LAB	https://www.geeksforgeeks.org/cpp-pointers/	
39	16/02/2024	4	Virtual functions example	LAB	https://www.geeksforgeeks.org/virtual-function-cpp/	
40	17/02/2024	2	Virtual function	LAB	https://www.geeksforgeeks.org/virtual-function-cpp/	
41	19/02/2024	5	Polymorphism	LAB	https://www.geeksforgeeks.org/cpp-polymorphism/	
42	20/02/2024	1	Program to implement the concept of polymorphism using virtual functions	LAB	https://www.geeksforgeeks.org/virtual-functions-and-runtime-polymorphism-in-cpp/	
43	21/02/2024	3	templates example	LAB	https://www.geeksforgeeks.org/templates-cpp/	



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44	23/02/2024	2	template in C++	LAB	https://www.geeksforgeeks.org/templates-cpp/	
Unit 5						
45	26/02/2024	4	function templates	LAB	https://www.programiz.com/cpp-programming/function-template	
46	27/02/2024	5	example for function template	LAB	https://www.programiz.com/cpp-programming/function-template	
47	28/02/2024	1	function templates	LAB	https://www.programiz.com/cpp-programming/function-template	
48	29/02/2024	3	Program to swap two numbers using the concept of function templates	LAB	https://www.geeksforgeeks.org/swapping-two-numbers-using-template-function-in-c/	
49	02/03/2024	3	Working with files	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
50	04/03/2024	2	Working with files	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
51	05/03/2024	4	Classes for file stream operation	LAB	https://www.geeksforgeeks.org/file-handling-c-classes/	
52	06/03/2024	5	Opening and Closing file	LAB	https://codescracker.com/cpp/cpp-opening-closing-files.htm	
53	07/03/2024	1	file pointer and manipulations	LAB	https://notesforrmisc.org/cplusplus-file-pointer-manipulation/	
54	08/03/2024	3	Program to perform white space suppression in a file	LAB	https://www.geeksforgeeks.org/remove-all-white-space-from-character-string-in-c/	
55	12/03/2024	2	Command Line Arguments	LAB	https://www.codingninjas.com/studio/library/command-line-arguments-in-cpp	
56	13/03/2024	4	Program to perform file copy using command line arguments	LAB	https://www.codingninjas.com/studio/library/command-line-arguments-in-cpp	
57	14/03/2024	5	Practical programs revision	LAB	https://www.datrweb.com/programming/software-development/tutorials/109092/remove-extra-whitespace	
58	15/03/2024	1	Practical programs revision	LAB	https://unstop.com/blog/inheritance-in-cpp	

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59	18/03/2024	3	Practical Programs Revision	LAB	https://www.w3schools.com/cpp/cpp_function_overloading.asp	
60	20/03/2024	2	Practical Programs Revision	LAB	https://www.w3schools.com/cpp/cpp_function_overloading.asp	
61	21/03/2024	4	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
62	22/03/2024	5	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
63	23/03/2024	5	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
64	25/03/2024	1	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
65	26/03/2024	3	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
66	28/03/2024	2	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
67	01/04/2024	4	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
68	02/04/2024	5	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
69	03/04/2024	1	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
70	04/04/2024	3	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
71	06/04/2024	2	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
72	08/04/2024	4	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
73	10/04/2024	5	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
74	12/04/2024	1	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	
75	15/04/2024	3	Revision	LAB	https://www.w3schools.com/cpp/cpp_files.asp	



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ACADEMIC YEAR

2023-2024

Faculty Name

Dr. G DONA RASHMI,

Year/Semester/Section

I/II/Additional

Degree & Branch

COMPUTER APPLICATIONS

Subject Code & Name

23VED201 & VALUE EDUCATION - MORAL AND ETHICS

S.No	Topic	Delivery Method	Links	Texts/References
Unit 1				
1	Introduction to Moral and Ethics	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-ethics-introduction	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
2	Meaning of Moral and Ethics, Social Ethics	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-social-ethics	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
3	Ethics and Culture	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-ethics-and-culture	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
4	Aim of Education	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-aim-of-education	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
Unit 2				
5	Introduction to Life and Teachings of Swami Vivekananda	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-life-and-teachings-of-swami-vivekananda	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
6	Birth and Childhood days of Swami Vivekananda	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-birth-and-childhood-days-of-swami-vivekananda	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
7	At the Parliament of Religions	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-at-the-parliament-of-religions	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
8	At the Parliament of Religions	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-at-the-parliament-of-religions	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
9	Teachings of Swami Vivekananda	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-teachings-of-swami-vivekananda	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
10	Teachings of Swami Vivekananda	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-teachings-of-swami-vivekananda	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
Unit 3				
11	Introduction to Warriors of our Nation, Subhas Chandra Bose, Sardar Vallabhbhai Patel	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-warriors-of-our-nation	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
12	Udham Singh, V. O. Chidambaram Pillai	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-udham-singh-v-o-chidambaram-pillai	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
13	Bhagat Singh, Tiruppur Kumaran, Dheeran Chinnarai	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-bhagat-singh-tiruppur-kumaran-dheeran-chinnarai	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
14	Thilaiyadi Valliammal, Velu Nachiyar, Vachinathan	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-thilaiyadi-valliammal-velu-nachiyar-vachinathan	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
Unit 4				
15	Introduction to Physical Fitness and Mental Harmony, Simplified Physical Exercise	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-physical-fitness-and-mental-harmony	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
16	Hand Exercises, Leg Exercises, Neuro Muscular Breeding Exercises	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-hand-exercises-leg-exercises-neuro-muscular-breeding-exercises	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
17	Eye Exercises, Kshatrabadi, Mahasana A & B	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-eye-exercises-kshatrabadi-mahasana-a-b	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
18	Acupressure, Relaxation, Kaya Kalpa Yogam	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-acupressure-relaxation-kaya-kalpa-yogam	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
19	Lifeforce Aim & Objectives, Principle, Methods	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-lifeforce-aim-objectives-principle-methods	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
20	Introspection, Analysis of Thoughts	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-introspection-analysis-of-thoughts	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
21	Moralization of Desires, Neutralization of Anger	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-moralization-of-desires-neutralization-of-anger	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
22	Eradication of Worries	CLASS AND TALK	https://www.dharmapedia.com/articles/23-ved-201-eradication-of-worries	Value Based Education - Moral and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)

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Unit 5						
22	18/02/24	1	Introduction to Yoga and Meditation : The Asset of India	CHALK AND TALK	https://www.sanskritpragya.org/yoga/Introduction-to-yoga	Value Based Education - Mind and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
23	22/02/24	2	Yogasana Rules & Regulations, Surya Namaskar	CHALK AND TALK	https://www.sanskritpragya.org/yoga/surya-namaskar	Value Based Education - Mind and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
24	23/02/24	3	Asanas :Sitting, Standing, Prone, Supine	CHALK AND TALK	https://www.sanskritpragya.org/yoga/asanas	Value Based Education - Mind and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
25	26/02/24	4	Ujjayi, Seethali, Sitkari and its benefits	CHALK AND TALK	https://www.sanskritpragya.org/yoga/ujjayi-seethali-sitkari	Value Based Education - Mind and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
26	03/03/24	5	Pranayama , Nadi Sudhi	CHALK AND TALK	https://www.sanskritpragya.org/yoga/pranayama-nadi-sudhi	Value Based Education - Mind and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
27	04/03/24	6	Introduction to Meditation, Transdivasuchi	CHALK AND TALK	https://www.sanskritpragya.org/yoga/introduction-to-meditation	Value Based Education - Mind and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
28	06/03/24	7	Agas, Shanthi	CHALK AND TALK	https://www.sanskritpragya.org/yoga/agas-shanthi	Value Based Education - Mind and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)
29	13/03/24	8	Thuriyam, Benefits	CHALK AND TALK	https://www.sanskritpragya.org/yoga/thuriyam	Value Based Education - Mind and Ethics - Published by Kongunadu Arts and Science College (Autonomous), First Edition (2020)


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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. NANDHINESWARIS.,
Year/Semester/Section : I/I/Main
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 23UCA202 & CORE PAPER 2 - OBJECT ORIENTED PROGRAMMING WITH C++

S.No	Date	Hours	Topics	Delivery Methods	Links	Book Refered
Unit 1						
1	04/12/2023	1	Procedure Oriented Programming	CHALK AND TALK	https://www.dsc-towa.in/pages/cpp-procedure-oriented-programming-part-1-gmf-1cc-9Procedure1/22programming%20involves%20using%20variable%20task%20in%20logical%20steps	Object Oriented Programming with C++
2	06/12/2023	4	Basic Concepts of Object-Oriented Programming	CHALK AND TALK		Object Oriented Programming with C++
3	09/12/2023	5	Benefits of Object Oriented Programming	CHALK AND TALK		3. Badarwasani
4	07/12/2023	1	Basic Concepts of Object Oriented Programming	CHALK AND TALK		Chapter- Object Oriented Programming with C++, E. Badarwasani
5	08/12/2023	2	Benefits of Object Oriented Programming	CHALK AND TALK		Chapter- Object Oriented Programming with C++, E. Badarwasani
5	12/12/2023	1	Benefits of Object Oriented Programming	CHALK AND TALK		Chapter- Object Oriented Programming with C++, E. Badarwasani
7	12/12/2023	4	Applications of OOP	CHALK AND TALK		
8	13/12/2023	5	Applications of OOP	CHALK AND TALK		Chapter- Object Oriented Programming with C++, E. Badarwasani
9	15/12/2023	1	Beginning with C++	CHALK AND TALK		
10	18/12/2023	2	Beginning with C++	CHALK AND TALK		
Unit 2						
11	20/12/2023	1	Expression & Control Structure	CHALK AND TALK	https://www.scribd.com/doc/51363/control-structure-in-cpp/	
12	20/12/2023	4	Data Types	CHALK AND TALK		
13	21/12/2023	5	Data Types	CHALK AND TALK	https://www.geeksforgeeks.org/cpp-data-types/	
14	26/12/2023	1	Data Types	CHALK AND TALK	https://www.geeksforgeeks.org/cpp-data-types/	
15	27/12/2023	2	Reference Variables	CHALK AND TALK	https://www.geeksforgeeks.org/reference-in-cpp/	

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16	02/01/2024	5	Operators in C++	PPT	https://www.geeksforgeeks.org/operators-in-cpp/	
17	04/01/2024	1	Scope Resolution Operator	CHALK AND TALK	https://www.geeksforgeeks.org/scope-resolution-operator-in-c/	
18	05/01/2024	2	Type cast Operator	CHALK AND TALK		
19	09/01/2024	1	Branching and Looping	CHALK AND TALK		
20	09/01/2024	4	Call by Reference Return By reference	PDF	https://canva.ru.ac.in/courses/3333/pages/call-by-reference-return-by-reference-inline-function	
21	10/01/2024	5	Inline Functions	CHALK AND TALK	https://www.geeksforgeeks.org/inline-functions-cpp/	
22	12/01/2024	1	Default & Const Arguments	CHALK AND TALK	https://www.javapoint.com/default-arguments-in-cpp	
23	22/01/2024	1	Function Overloading	CHALK AND TALK	https://www.geeksforgeeks.org/friend-class-function-cpp/	Object-Oriented Programming with C++
24	22/01/2024	4	Friend Functions	CHALK AND TALK	https://www.geeksforgeeks.org/friend-class-function-cpp/	
Unit 3						
25	23/01/2024	5	Classes	PPT	https://www.geeksforgeeks.org/c-classes-and-objects/	
26	27/01/2024	1	Constructor	PPT, CHALK AND TALK	https://www.codementor.io/@supermerd7/constructor-and-destructor-in-c-1r8kkegm6j	
27	29/01/2024	2	what is constructor and its types	CHALK AND TALK	https://www.codementor.io/@supermerd7/constructor-and-destructor-in-c-1r8kkegm6j	
28	31/01/2024	1	types of constructor	CHALK AND TALK	https://www.codementor.io/@supermerd7/constructor-and-destructor-in-c-1r8kkegm6j	
29	31/01/2024	4	Parameterized constructor, copy constructor	CHALK AND TALK	https://www.scaler.com/topics/cpp/constructor-and-destructor-in-cpp/	
30	01/02/2024	5	Multiple constructor	CHALK AND TALK	https://www.scaler.com/topics/cpp/constructor-and-destructor-in-cpp/	
31	05/02/2024	1	how to implement the c++ program using constructor	LAB	https://www.udacity.com/blog/2021/03/what-is-a-contructor-in-c.html#:~:text=C%2B%2B%20Constructors,does%20not%20return%20any%20values	
32	06/02/2024	2	Destructor	CHALK AND TALK	https://www.udacity.com/blog/2021/03/what-is-a-contructor-in-c.html#:~:text=C%2B%2B%20Constructors,does%20not%20return%20any%20values	
33	08/02/2024	1	Difference between constructor and destructor	CHALK AND TALK	https://www.udacity.com/blog/2021/03/what-is-a-contructor-in-c.html#:~:text=C%2B%2B%20Constructors,does%20not%20return%20any%20values	
Unit 4						
34	08/02/2024	4	Operator overloading	PPT	https://www.slideshare.net/Lahiru_Dilshan/operator-overloading-c-252404392	
35	09/02/2024	5	Types of operator overloading	CHALK AND TALK	https://www.slideshare.net/Lahiru_Dilshan/operator-overloading-c-252404392	
36	12/02/2024	1	Unary operator overloading and its example	CHALK AND TALK	https://www.slideshare.net/Lahiru_Dilshan/operator-overloading-c-252404392	

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37	13/02/2024	2	binary operator overloading	CHALK AND TALK	https://www.slideshare.net/Labiru/Dishant/operator-overloading--25241392	
38	15/02/2024	1	Inheritance	CHALK AND TALK	https://www.javatpoint.com/cpp-inheritance	
39	15/02/2024	4	baseclass, derived class explanation	LAB	https://www.javatpoint.com/cpp-inheritance	
40	16/02/2024	5	Types of inheritance	CHALK AND TALK	https://www.javatpoint.com/cpp-inheritance	
41	17/02/2024	1	Virtual base class	CHALK AND TALK	https://www.geeksforgeeks.org/virtual-base-class-in-c/	
42	17/02/2024	4	virtual base class	LAB		
43	20/02/2024	1	virtual base class examples	LAB		
44	21/02/2024	2	Polymorphism	CHALK AND TALK		
45	23/02/2024	1	Polymorphism example	LAB		
46	23/02/2024	4	Polymorphism example	CHALK AND TALK		
47	26/02/2024	5	Templates	CHALK AND TALK		
48	28/02/2024	1	Class templates	CHALK AND TALK, LAB		
49	29/02/2024	2	Class templates example	CHALK AND TALK		
50	02/03/2024	2	Function template	CHALK AND TALK		
51	04/03/2024	1	Files in c++	CHALK AND TALK		
Unit 5						
52	04/03/2024	4	Files in C++	PPT		
53	05/03/2024	5	Classes for file stream operations	CHALK AND TALK		
54	07/03/2024	1	ifstream	CHALK AND TALK		
55	08/03/2024	2	how to create a file in c++	LAB		
56	12/03/2024	1	how to create a file in c++	CHALK AND TALK		
57	12/03/2024	4	Opening and closing file	CHALK AND TALK		
58	13/03/2024	5	Opening and closing file	LAB		
59	15/03/2024	1	file pointers	BOARD		



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	60	18/03/2024	2	this pointers	FLIPPED CLASS		
	61	20/03/2024	1	this pointers and exxarmples	CHALK AND TALK		
	62	20/03/2024	4	file pointers and their manipulation	CHALK AND TALK		
	63	21/03/2024	5	examples of files	LAB		
	64	25/03/2024	1	To create a file with white removal suppression	CHALK AND TALK		
	65	26/03/2024	2	To create a file with white removal suppression	LAB		
	66	28/03/2024	1	how to copy the file from one to another	CHALK AND TALK		
	67	28/03/2024	4	command line arguments	CHALK AND TALK		
	68	01/04/2024	5	command line arguments and its examples	CHALK AND TALK		
	69	03/04/2024	1	how to run a c++ program using command line arguments	CHALK AND TALK		
	70	04/04/2024	2	to create a file and run in command line	BOARD		
	71	06/04/2024	1	class streams examples	CHALK AND TALK		
	72	06/04/2024	4	Working with files in C++	CHALK AND TALK		
	73	08/04/2024	5	file handling in C++	LAB		
	74	12/04/2024	1	how to copy file using command line arguments	CHALK AND TALK		
	75	15/04/2024	2	how to copy file using command line arguments	LAB		

S. Vijay
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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. NANDHINESWARI S.,
Year/Semester/Section : I/II/Main
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 23UCA2CM & CORE PRACTICAL 2 - OBJECT ORIENTED PROGRAMMING WITH C++ LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	05/12/2023	2	Basic C++ programs	LAB	https://www.programiz.com/cpp-programming/examples	Object oriented programming with C++, E Bakagurusamy
2	06/12/2023	3	Demonstration of Programs using basic C++ programs	LAB		
3	07/12/2023	4	Demonstration of Programs using Methods	LAB		
4	08/12/2023	5	Demonstration of programs using Classes and objects	CHALK AND TALK, LAB		
5	11/12/2023	4	Demonstration of programs using Objects	LAB		
6	13/12/2023	2	Create a program to Implement The Concept Of Classes And Objects	LAB		



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7	14/12/2023	3	Demonstration of program for functions	LAB		
8	15/12/2023	4	Demonstration of program for Inline functions	LAB		
9	18/12/2023	5	Demonstration of program to implement Friend functions	LAB		
10	19/12/2023	4	Create a class program to implement the type of functions in C++	LAB		
11	21/12/2023	2	Demonstration of Program to implement member functions inside the class	LAB		
12	22/12/2023	3	Demonstration of Program to implement member functions outside the class	LAB		
13	26/12/2023	4	Demonstration of Program to implement and access private data member	LAB		
14	27/12/2023	5	Create a C++ program to implement the concept of Function overloading	LAB		

S. R. Jeyaraj
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15	02/01/2024	2	Demonstration of program using parameterized and copy constructor	LAB		
16	03/01/2024	3	Demonstration of program using Default constructor	LAB		
17	04/01/2024	4	Write a program to implement the concept of Constructors	LAB		
18	05/01/2024	5	demonstrate class and objects in C++	LAB		
19	08/01/2024	4	demonstrate the function program in dev c++	CHALK AND TALK, LAB		
Unit 2						
20	10/01/2024	2	Demonstration of program using simple constructor	LAB		
21	11/01/2024	3	Demonstration of program using default constructor	LAB		
22	12/01/2024	4	Demonstration of Program using Operators	LAB		



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23	23/01/2024	2	Demonstration of Program to explain the concept of unary Operator Overloading	LAB			
24	24/01/2024	3	Demonstration of Program to explain the concept of binary Operator Overloading	LAB			
25	27/01/2024	4	Create a class to demonstrate the concept of operator overloading	LAB			
26	29/01/2024	5	Demonstration of Program to implement single Inheritance	LAB			
27	30/01/2024	4	Demonstration of Program to implement Multiple Inheritance	LAB			
28	01/02/2024	2	Demonstration of Program to implement Multilevel Inheritance	LAB			
29	02/02/2024	3	Demonstration of Program to implement Hybrid Inheritance	LAB			
30	03/02/2024	4	Demonstration of Program to implement Hierarchical Inheritance	LAB			
31	05/02/2024	4	Create a C++ program to implement the concept of inheritance	LAB			

S. Aditya
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32	06/02/2024	5	Demonstration of Program to implement Polymorphism	LAB		
33	07/02/2024	4	operator overloading in dev c++	LAB		
Unit 3						
34	09/02/2024	2	Demonstration of Program to implement Virtual function	LAB		
35	12/02/2024	4	Create a C++ program to implement the concept of polymorphism using virtual functions	LAB		
36	13/02/2024	5	Demonstration of Program to implement template	LAB		
37	14/02/2024	4	Demonstration of Program to implement class template	CHALK AND TALK		
38	16/02/2024	2	Create a C++ program to implement the concept of Function Template	LAB		
39	19/02/2024	3	Create a student mark list using inheritance	LAB		
40	20/02/2024	4	implement virtual base class	LAB		



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41	21/02/2024	5	to create employee details by implement virtual functions	CHALK AND TALK		
42	22/02/2024	4	constructor in c++	LAB		
43	26/02/2024	2	inheritance prgrm in dev c++	LAB		
Unit 4						
44	27/02/2024	3	Create a C++ program to implement the concept of user defined and built in function	LAB		
45	28/02/2024	4	Demonstration of program using file I/O functions	LAB		
46	29/02/2024	5	Demonstration of program using file I/O functions	LAB		
47	01/03/2024	4	Demonstration of program using file I/O functions	LAB		
48	02/03/2024	5	Demonstration of program using file I/O functions	LAB		
49	05/03/2024	2	how to create a file	LAB		
50	06/03/2024	3	how to insert the content in file	LAB		

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51	07/03/2024	4	how to update and delete the content in files	LAB		
52	08/03/2024	5	Demonstration of program using Insertion, Deletion and Updation using files.	LAB		
53	11/03/2024	4	Demonstration of program using Insertion, Deletion and Updation using files.	LAB		
54	13/03/2024	2	Demonstration of program to copy the content from one file to another file	CHALK AND TALK		
55	14/03/2024	3	Demonstration of program to copy the content from one file to another file	LAB		
56	15/03/2024	4	how to create a source file	LAB		
57	16/03/2024	4	Demonstration of program to copy the content from one file to another file	LAB		
58	18/03/2024	5	Write a C++ program to Perform White Space Suppression In A File	LAB		



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59	19/03/2024	4	Write a C++ program to Perform White Space Suppression In A File	LAB		
60	21/03/2024	2	to demonstrate the program in dev C++	LAB		
61	22/03/2024	3	how to create a file in dev C++	LAB		
Unit 5						
62	23/03/2024	3	how to copy the content of file from one to another	LAB		
63	25/03/2024	4	how to remove space in the word using file	LAB		
64	26/03/2024	5	how to remove the white space suppression in file	LAB		
65	27/03/2024	4	command line arguments	LAB		
66	01/04/2024	2	basic examples of command line arguments	LAB		
67	02/04/2024	3	how to pass arguments through command line arguments	LAB		
68	03/04/2024	4	command line arguments in dev c++	LAB		

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69	04/04/2024	5	how to create a file and execute in command line arguments	LAB		
70	05/04/2024	4	how to copy the file from one to another using command line arguments	LAB		
71	08/04/2024	2	how to copy the file from one to another using command line arguments	LAB		
72	10/04/2024	3	how to copy the file from one to another using command line arguments in dev C++	LAB		
73	12/04/2024	4	Revise all the lab list programs	LAB		
74	15/04/2024	5	Revise all the lab list programs	LAB		
75	16/04/2024	4	Revise all the lab list programs	LAB		



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. G DONA RASHMI,
Year/Semester/Section : I/II/Main
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 23VED201 & VALUE EDUCATION - MORAL AND ETHICS

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 4						
1	11/12/2023	2	Introduction to Physical Fitness and Mental Harmony	CHALK AND TALK	https://www.lifenliving.org/health/physical-and-mental-harmony/	Value Based Education – Moral and Ethics – compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
2	19/12/2023	2	Simplified Physical Exercise, Hand Exercises and Leg Exercises	CHALK AND TALK	http://www.aksociety.org.sg/courses/exercise.htm	Value Based Education – Moral and Ethics – compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
3	08/01/2024	2	Neuro Muscular Breathing Exercises, Eye Exercises	CHALK AND TALK	https://www.physio-pedia.com/Breathing_Exercises	Value Based Education – Moral and Ethics – compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
4	30/01/2024	2	Kabalahathi Maharasana A & B	CHALK AND TALK	https://www.artofliving.org/in-en/yogu/pranayama/kapalbhati	Value Based Education – Moral and Ethics – compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
5	03/02/2024	2	Massage, Acupressure, Relaxation, Kayakalp Yoga	CHALK AND TALK	https://namastedwar.com/services/time/vedic-acupressure-key-yakupa-treatment-near-delhi-ncr/	Value Based Education – Moral and Ethics – compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
6	07/02/2024	2	Life Force Aim & Objectives, Principle, Methods	CHALK AND TALK	https://en.wikipedia.org/wiki/Life_force?text=Life%20force%20of%20the%20force%20may%20be%20physically%20and%20alternatively%20meditation	Value Based Education – Moral and Ethics – compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
7	14/02/2024	2	Introspection to Analysis of Thoughts Moralization of Desires, Neutralization of Anger	CHALK AND TALK	http://www.fadecentgeners.com/online-study/post-first-year/human-values-and-professional-ethics/944/moralization-of-desires	Value Based Education – Moral and Ethics – compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
Unit 5						
8	22/02/2024	2	Introduction to Yoga and Meditation, The Asset of India	CHALK AND TALK	https://vikaspedia.in/health/yoga-1/introduction-to-yoga	Value Based Education – Moral and Ethics – compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
9	01/03/2024	2	Yogasana Rules & Regulations	CHALK AND TALK	https://yogafederationofindia.com/download/RULES-AND-REGULATIONS-OF-THE-NATIONAL-YOGASANA-SPORTS-CHAMPIONSHIP.pdf	Value Based Education – Moral and Ethics – compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).

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10	11/03/2024	2	Surya Namaskar	CHALK AND TALK	https://www.keralatourism.org/yoga/popular-asanas/surya-namaskar	Value Based Education - Moral and Ethics - compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
11	16/03/2024	2	Asanas Sitting, Stanging	CHALK AND TALK	https://www.tummee.com/yoga-poses/sitting-yoga-poses , https://en.wikipedia.org/wiki/Standing_asanas	Value Based Education - Moral and Ethics - compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
12	19/03/2024	2	Prone, Supine, Pranayama	CHALK AND TALK	https://www.arthritis-india.com/asanas-in-prone-position.html , https://www.physio-pedia.com/Pranayama , https://www.yogabasics.com/practice/yoga-postures/prone-yoga-poses/	Value Based Education - Moral and Ethics - compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
13	27/03/2024	2	Naadi Sudh, Ujjayi, Seethali and its benefits	CHALK AND TALK	https://www.artofliving.org/in-en/yoga/pranayama/nadi-s-hodhan-alternate-nostril-breathing	Value Based Education - Moral and Ethics - compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
14	05/04/2024	2	Sithkari, Benefits. Introduction to Meditation, Thanduvasudhi	CHALK AND TALK	https://www.masalathal.com/a-guide-to-the-different-forms-of-meditation/	Value Based Education - Moral and Ethics - compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).
15	16/04/2024	2	Agna, Shanthi, Thuriyam and its Benefits	CHALK AND TALK	https://www.scribd.com/document/487654158/Sky-Chapter-4	Value Based Education - Moral and Ethics - compiled by Kongunadu Arts and Science College (Autonomous), 2nd Edition (2021).

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. HEMA LATHA.D.,
Year/Semester/Section : I/II/Main
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 23VED201 & VALUE EDUCATION - MORAL AND ETHICS

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	06/12/2023	1	Moral and Ethics	CHALK AND TALK		Value Education Moral and Ethics: Chapter- Introduction , Pages:1-2
2	14/12/2023	1	Social Ethics	CHALK AND TALK		Value Education Moral and Ethics: Chapter-1.3 , Pages:2-5
3	22/12/2023	1	Social Responsibility	CHALK AND TALK		Value Education Moral and Ethics: Chapter-1.3 , Pages:6-8
4	03/01/2024	1	Ethics and Culture	CHALK AND TALK		Value Education Moral and Ethics: Chapter-1.4 , Pages:9-14
Unit 2						
5	11/01/2024	1	Teaching of Swami Vivekananda	CHALK AND TALK		Value Education Moral and Ethics: Chapter-2.8 , Pages:28-29



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6	24/01/2024	1	Teaching of Swami Vivekananda	CHALK AND TALK	Value Education Moral and Ethics: Chapter-2.8 , Pages:28-29
7	02/02/2024	1	Swamy Vivekananda - Biography	CHALK AND TALK	Value Education Moral and Ethics: Chapter-2.1 , Pages:18-20
8	19/02/2024	1	Under the Guidance of Father and Mother	CHALK AND TALK	Value Education Moral and Ethics: Chapter-2.3 , Pages:20-23
9	27/02/2024	1	Meeting of Sri Ramakrishna	CHALK AND TALK	Value Education Moral and Ethics: Chapter-2.6 , Pages:26-28
10	06/03/2024	1	Teaching of Swamy Vivekananda	CHALK AND TALK	Value Education Moral and Ethics: Chapter-2.8 , Pages:28-33
Unit 3					
11	14/03/2024	1	Warriors of our nation	CHALK AND TALK	Value Education Moral and Ethics: Chapter-3.1 , Pages:34-39
12	22/03/2024	1	Sardar Vallabhbhai Patel, Udham Singh	CHALK AND TALK	Value Education Moral and Ethics: Chapter-3.2, 3.3 , Pages:39-47
13	23/03/2024	1	V.O.Chidambaram,Bhagat h Singh	CHALK AND TALK	Value Education Moral and Ethics: Chapter-3.4,3.5 , Pages:47-58

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14	02/04/2024	1	Tirupur Kumaran Thillaiyadi Valliammai Vanchinathan	CHALK AND TALK		Value Education Moral and Ethics: Chapter-3.6-3.10 , Pages:59-69
Unit 5						
15	10/04/2024	1	Seminar	CHALK AND TALK		Moral and Ethics

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LESSON PLAN

ACADEMIC YEAR

2023-2024

Faculty Name

Mrs. INDUMATHI PANDURANGAN ,

Year/Semester/Section

II/TV/Additional

Degree & Branch

COMPUTER APPLICATIONS

Subject Code & Name

22UCA405 & CORE PAPER 5 - .NET FRAMEWORK WITH ORACLE

Sl. No	Topic	Topic Code	Delivery Medium	Links		Book for student
Unit 1						
1	Essential Visual Basic	CH01X-ANF-TA-6		https://www.microsoft.com/learn/paths/visual-basic/#introduction	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
2	Upgrading from Visual Basic	CH01X-ANF-TA-6		https://www.microsoft.com/learn/paths/visual-basic/#upgrading	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
3	Net Frame work	PR1		https://learn.microsoft.com/en-us/dotnet/framework/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
4	CLR	PR1		https://www.microsoft.com/learn/paths/visual-basic/#clr	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
5	IDE	PR1		https://www.microsoft.com/learn/paths/visual-basic/#ide	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
6	Building VB Net Applications	PR1		https://www.thorntech.com/vbnet/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
7	Operations in .NET	CH01X-ANF-TA-6		https://www.jetbrains.com/idea/whats-new/operations/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
8	Conditionals	PR1		https://www.jetbrains.com/idea/whats-new/conditionals/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
9	Loops	PR1		https://www.jetbrains.com/idea/whats-new/loops/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
10	Procedures	PR1		https://learn.microsoft.com/en-us/dotnet/visual-basic/how-to-use-procedures	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
11	Scope	PR1		https://learn.microsoft.com/en-us/dotnet/visual-basic/how-to-use-scope	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
12	Exception Handling	CH01X-ANF-TA-6		https://www.jetbrains.com/idea/whats-new/exception-handling/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
Unit 2						
1	Windows Forms	PR1		https://www.jetbrains.com/idea/whats-new/forms/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
2	Adding Controls, Handling Events	PR1		https://www.jetbrains.com/idea/whats-new/adding-controls/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
3	Creating MDI applications	PR1		https://www.jetbrains.com/idea/whats-new/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
4	Textboxes, Rich Text boxes	PR1		https://www.jetbrains.com/idea/whats-new/textboxes/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
5	Labels, Buttons	PR1		https://www.jetbrains.com/idea/whats-new/labels/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
6	Checkbox, Radio buttons	PR1		https://www.jetbrains.com/idea/whats-new/checkbox-radio/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
7	panels and Group boxes	PR1		https://www.jetbrains.com/idea/whats-new/panels-group-boxes/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
8	ListBox	PR1		https://www.jetbrains.com/idea/whats-new/list-box/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
9	ComboBox	PR1		https://www.jetbrains.com/idea/whats-new/combobox/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
10	TreeView	PR1		https://www.jetbrains.com/idea/whats-new/tree-view/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
11	ListView	PR1		https://www.jetbrains.com/idea/whats-new/list-view/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
12	DataGridView	PR1		https://www.jetbrains.com/idea/whats-new/data-grid/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
13	TabControl	PR1		https://www.jetbrains.com/idea/whats-new/tab-control/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
14	ProgressBar	PR1		https://www.jetbrains.com/idea/whats-new/progress-bar/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
15	Slider	PR1		https://www.jetbrains.com/idea/whats-new/slider/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
16	DateTimePicker	PR1		https://www.jetbrains.com/idea/whats-new/date-time-picker/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
17	ColorDialog	PR1		https://www.jetbrains.com/idea/whats-new/color-dialog/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
18	FontDialog	PR1		https://www.jetbrains.com/idea/whats-new/font-dialog/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
19	OpenFileDialog	PR1		https://www.jetbrains.com/idea/whats-new/open-file-dialog/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
20	SaveFileDialog	PR1		https://www.jetbrains.com/idea/whats-new/save-file-dialog/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
21	FolderBrowserDialog	PR1		https://www.jetbrains.com/idea/whats-new/folder-browser-dialog/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
22	ImageDialog	PR1		https://www.jetbrains.com/idea/whats-new/image-dialog/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
23	PrintDialog	PR1		https://www.jetbrains.com/idea/whats-new/print-dialog/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
24	CommonDialog	PR1		https://www.jetbrains.com/idea/whats-new/common-dialog/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
25	PrintPageDialog	PR1		https://www.jetbrains.com/idea/whats-new/print-page-dialog/	Screen Reader: 120C1, Visual Basic, NET Basic Book, First Edition, Prentice Hall Publications	
Unit 3						



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25	04/02/2024	5	Windows Forms	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
26	05/02/2024	5	Windows Forms , Scroll bars	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
27	06/02/2024	4	Splitbars, Track Bars	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
28	07/02/2024	4	Pickers, Notify Icons	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
29	08/02/2024	4	Tool tips	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
30	09/02/2024	4	Timers	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
31	10/02/2024	4	Menus, Built in Dialog Boxes	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
32	11/02/2024	4	Image list	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
33	12/02/2024	4	Tree and List view	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
34	13/02/2024	4	Toolbars, Status bars	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
35	14/02/2024	4	progress bars	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
36	15/02/2024	4	tabbed controls	PPT	https://www.microsoft.com/india/windows-forms	Stevens Holman (2005) Visual Basic .NET Black Book, First Edition, Dream Tech Publications
Unit 4						
37	06/03/2024	5	Interactive SQL	CHALK AND TALK	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
38	07/03/2024	5	Invoking SQL * Plus	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
39	08/03/2024	5	data definition , data manipulation in CEMS	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
40	09/03/2024	4	The oracle data types	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
41	10/03/2024	4	DML and DDL statements	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
42	11/03/2024	4	Data constraints	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
43	12/03/2024	4	arithmetic, logical operators, oracle functions	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
44	13/03/2024	4	grouping data from tables , manipulating dates	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
45	14/03/2024	4	union, intersect and minus clause , Granting permissions	CHALK AND TALK	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
46	15/03/2024	4	Revoking permissions , Codd's Rules	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
Unit 5						
47	16/03/2024	4	PL/SQL: Introduction, PL/SQL syntax	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
48	17/03/2024	4	understanding PL/SQL block structure	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
49	18/03/2024	4	oracle transactions, cursors	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
50	19/03/2024	4	stored procedures, stored functions, database triggers	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
51	20/03/2024	4	Creating Default Tabular Report	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
52	21/03/2024	4	SQL: Nested Sub queries	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
53	22/03/2024	4	Derived Relations Views Joined Relations	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
54	23/03/2024	4	Integrity Constraints: Domain Constraints	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications
55	24/03/2024	4	Referential Integrity	PPT	https://www.ibm.com/docs/en/db2/11.5.0?topic=interactive-sql	Ivan Bayraktar (2007) Commercial Applications Development Using ORACLE Developer 2000, First Edition, Abraham Silberstein, Henry F. Korth, S. Sathuram (2004) Database System Concepts, Fifth Edition, Tata McGraw Hill Publications

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Coordinator

Head of the Department



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25-04-2024 10:52 AM 3 / 3 Faculty Signature Coordinator Head of the Department



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. INDUMATHI PANDURANGAN
Year/Semester/Section : II/IV/Additional
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 22UCA4CO & CORE PRACTICAL 4 - .NET FRAMEWORK WITH ORACLE LAB

S.No	Date	Hours	Topics	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	1	VB.Net code to print "Hello World"	LAB	https://www.includehelp.com/vb-net/print-hello-world-in-vb-net.aspx	https://icsoofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
2	05/12/2023	5	VB.Net program to demonstrate the difference between Console.WriteLine() and Console.WriteLine() methods	LAB	https://www.includehelp.com/vb-net/demonstrate-the-difference-between-console-write-and-console-writeline-methods.aspx	https://icsoofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
3	06/12/2023	2	VB.Net program to print backslash (\) character on the console screen	LAB	https://www.includehelp.com/vb-net/print-backslash-character-on-the-console-screen.aspx	https://icsoofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
4	08/12/2023	1	VB.Net program to convert a double number into an integer number	LAB	https://www.includehelp.com/vb-net/convert-a-double-number-into-an-integer-number.aspx	https://icsoofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
5	11/12/2023	2	Perform Matrix Multiplication using Arrays Concept in Console Application	LAB	https://www.includehelp.com/vb-net/add-two-matrices.aspx	https://icsoofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
6	12/12/2023	1	VB.Net program to demonstrate the integer array	LAB	https://www.includehelp.com/vb-net/demonstrate-the-integer-array.aspx	https://icsoofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
7	13/12/2023	5	VB.Net program to calculate the sum of all elements of an integer array	LAB	https://www.includehelp.com/vb-net/calculate-the-sum-of-all-elements-of-an-integer-array.aspx	https://icsoofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
8	14/12/2023	2	VB.Net program to find the largest element from the array of integers	LAB	https://www.includehelp.com/vb-net/find-the-largest-element-from-the-array-of-integers.aspx	https://icsoofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
9	18/12/2023	1	VB.Net program to find the EVEN numbers from the array of integers	LAB	https://www.includehelp.com/vb-net/find-the-even-numbers-from-the-array-of-integers.aspx	https://icsoofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
10	19/12/2023	2	Program to simulate a simple calculator in Windows Application	LAB	https://www.sourcecodestor.com/visual-basic-net/visual-basic-2006/calculator.html	https://icsoofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf



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11	20/12/2023	1	VB.Net program to find the second largest element from the array of integers	LAB	https://www.includehelp.com/vb-net/finding-the-second-largest-element-from-the-array-of-integers.aspx	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
12	21/12/2023	5	VB.Net program to merge two integer arrays into a third array	LAB	https://www.includehelp.com/vb-net/merge-two-integer-arrays-into-a-third-array.aspx	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
13	22/12/2023	2	VB.Net program to reverse an integer array	LAB	https://www.includehelp.com/vb-net/reverse-an-integer-array.aspx	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
14	27/12/2023	1	VB.Net program to find the prime numbers from the array of integers	LAB	https://www.includehelp.com/vb-net/finding-the-prime-numbers-from-the-array-of-integers.aspx	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
15	02/01/2024	5	Program to simulate a digital clock with reset option in Windows Application	LAB	https://stackoverflow.com/questions/25630272/generate-digital-clock-in-my-form-control	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
Unit 2						
16	03/01/2024	2	VB.Net program to search an item in array using linear search	LAB	https://www.includehelp.com/vb-net/search-an-item-in-array-using-linear-search.aspx	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
17	05/01/2024	1	VB.Net program to search an item in array using binary search	LAB	https://www.includehelp.com/vb-net/search-an-item-in-array-using-binary-search.aspx	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
18	08/01/2024	2	VB.Net program to sort an array in ascending order using bubble sort	LAB	https://www.includehelp.com/vb-net/sort-an-array-in-ascending-order-using-bubble-sort.aspx	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
19	09/01/2024	1	VB.Net program to sort an array in descending order using bubble sort	LAB	https://www.includehelp.com/vb-net/sort-an-array-in-descending-order-using-bubble-sort.aspx	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
20	10/01/2024	5	Develop a Simple Project, showing the process (using payroll process) 1) Move first 2) Move Last 3) Move Previous 4) Move Next	LAB	https://stackoverflow.com/questions/46497847/payroll-project	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
21	11/01/2024	2	VB.Net program to insert an item into a one-dimensional array	LAB	https://www.includehelp.com/vb-net/insert-an-item-into-a-one-dimensional-array.aspx	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
22	22/01/2024	1	VB.Net program to demonstrate the use of the dynamic array	LAB	https://www.includehelp.com/vb-net/insert-an-item-into-a-one-dimensional-array.aspx	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
23	23/01/2024	5	VB.Net program to read and print the matrix using a two-dimensional array	LAB	https://www.includehelp.com/vb-net/read-and-print-the-matrix-using-a-two-dimensional-array.aspx	https://bcaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf

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Coordinator

Head of the Department
Head of the Department



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24	24/01/2024	2	VB.Net program to calculate the sum of MATRIX elements	LAB	https://www.includehelp.com/vb-net/calculate-the-sum-of-matrix-elements.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
25	29/01/2024	1	Program for a notepad application in Windows Application.	LAB	https://www.youtube.com/watch?v=Bd8nC3wLUsl	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
26	30/01/2024	2	VB.Net program to calculate the sum of rows of MATRIX elements	LAB	https://www.includehelp.com/vb-net/calculate-the-sum-of-rows-of-matrix-elements.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
27	31/01/2024	1	VB.Net program to calculate the sum of columns of MATRIX elements	LAB	https://www.includehelp.com/vb-net/calculate-the-sum-of-columns-of-matrix-elements.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
28	01/02/2024	5	VB.Net program to compare two strings	LAB	https://www.includehelp.com/vb-net/compare-two-strings.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
29	02/02/2024	2	VB.Net program to check a string is empty or not using IsNothing() function	LAB	https://www.includehelp.com/vb-net/check-if-string-is-empty-or-not-using-isnothing-function.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
30	03/02/2024	2	Program to maintain student details in Windows Application	LAB	https://www.scribd.com/document/59628261/Student-Management-System-Application-in-Visual-Basic-and-Database	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
Unit 3						
31	06/02/2024	1	VB.Net program to check string contains a number or not	LAB	https://www.includehelp.com/vb-net/check-string-contains-a-number-or-not.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
32	07/02/2024	2	VB.Net program to check string contains a number or not	LAB	https://www.includehelp.com/vb-net/check-string-contains-a-number-or-not.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
33	08/02/2024	1	VB.Net program to demonstrate the Join() method of String class	LAB	https://www.includehelp.com/vb-net/demonstrate-the-join-method-of-string-class.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
34	09/02/2024	5	VB.Net program to demonstrate the Compare() method of String class	LAB	https://www.includehelp.com/vb-net/demonstrate-the-compare-method-of-string-class.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
35	13/02/2024	1	Develop a Simple Project for Library Management using VB.NET as front end and ORACLE as back end and create a Crystal report.	LAB	https://www.includehelp.com/vb-net/get-the-mysql-version.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
36	14/02/2024	2	VB.Net program to create a database in MySql dynamically	LAB	https://www.includehelp.com/vb-net/create-a-database-in-mysql-dynamically.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
37	15/02/2024	1	VB.Net program to create a table in MySql database dynamically	LAB	https://www.includehelp.com/vb-net/create-a-table-in-mysql-database-dynamically.aspx	https://bcsofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf



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38	16/02/2024	5	VB.Net program to get the Mysql version using the 'Select' statement	LAB	https://www.includehelp.com/vb-net/get-the-mysql-version-using-the-select-statement.aspx	https://beaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
39	17/02/2024	1	VB.Net program to get the records of a specified MySQL database table	LAB	https://www.includehelp.com/vb-net/get-the-records-of-a-specified-mysql-database-table.aspx	https://beaofficial.wordpress.com/wp-content/uploads/2017/05/vb-net-black-book.pdf
40	19/02/2024	2	Create a student: mark list and do the following Alter the table to add total and average fields with required size. Modify to increase the total field size. Calculate the total and average.	LAB	https://www.geeksforgeeks.org/how-to-find-average-marks-of-each-student-in-sql/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
41	21/02/2024	1	Selecting All Columns From One Table	LAB	https://learnsql.com/blog/basic-sql-query-examples/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
42	22/02/2024	2	Select and From clauses	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
43	23/02/2024	1	Order By (ASC, DESC)	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
44	26/02/2024	5	Group By and Having	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
45	27/02/2024	2	Create two tables in the name Employee_Personal and Employee_Salary using Primary and Foreign key concept and perform necessary operations. ☐ Display the employee details who are all getting salary above 15000. ☐ Display the employee name and address who are all coming from city "Coimbatore" or "Chennai". ☐ Display the employee name, who are all coming from city "Coimbatore" and pin code 641029 or 641091. ☐ Display the employee details in descending order based on name.	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
Unit 4						
46	29/02/2024	1	inner join in SQL	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
47	01/03/2024	2	left join in SQL	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
48	02/03/2024	1	right join in SQL	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
49	04/03/2024	1	full join in SQL	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.

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Coordinator

M. Subash
Head of the Department



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50	05/03/2024	5	Create a table and perform the queries using comparison, logical, set, sorting and grouping operators.	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
51	06/03/2024	2	rollback after using ALTER	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
52	08/03/2024	1	constraint that enforces rules at column level	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
53	11/03/2024	2	tables and views.	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
54	12/03/2024	1	Create View Statement	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
55	13/03/2024	5	Write SQL query to find the nth highest salary from table.	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
56	14/03/2024	2	Write necessary queries to perform oracle built-in functions	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
57	16/03/2024	2	SQL Order By	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
58	18/03/2024	1	SQL Between Operator	LAB	https://www.freecodecamp.org/news/sql-example/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
59	19/03/2024	2	Table Constraints	LAB	https://openextbc.ca/dbdesign01/chapter/sql-structured-query-language/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
60	20/03/2024	1	User Defined Types	LAB	https://openextbc.ca/dbdesign01/chapter/sql-structured-query-language/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
61	21/03/2024	5	Write PL/SQL block to prepare electricity bill.	LAB	https://openextbc.ca/dbdesign01/chapter/sql-structured-query-language/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
62	22/03/2024	2	LIKE clause	LAB	https://openextbc.ca/dbdesign01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
Unit 5						
63	23/03/2024	2	ALTER TABLE	LAB	https://openextbc.ca/dbdesign01/chapter/sql-structured-query-language/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
64	26/03/2024	1	SELECT Statement	LAB	https://openextbc.ca/dbdesign01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
65	27/03/2024	2	Using AVG and SUM with GROUP BY	LAB	https://openextbc.ca/dbdesign01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
66	28/03/2024	1	Restricting rows with HAVING	LAB	https://openextbc.ca/dbdesign01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
67	01/04/2024	5	Inserting specific values into an IDENTITY column	LAB	https://openextbc.ca/dbdesign01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.



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68	02/04/2024	2	Including subqueries in an UPDATE statement	LAB	https://opentextbc.ca/dbdesig01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
69	04/04/2024	1	Deleting rows based on a value in a subquery	LAB	https://opentextbc.ca/dbdesig01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
70	05/04/2024	2	Built-in Functions	LAB	https://opentextbc.ca/dbdesig01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
71	06/04/2024	1	Aggregate functions	LAB	https://opentextbc.ca/dbdesig01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
72	08/04/2024	5	Conversion function	LAB	https://opentextbc.ca/dbdesig01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
73	10/04/2024	2	Write PL/SQL block to find the sum of individual number.	LAB	https://opentextbc.ca/dbdesig01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
74	15/04/2024	1	Write PL/SQL block to find the given number is Armstrong number or not.	LAB	https://opentextbc.ca/dbdesig01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.
75	16/04/2024	2	Create a Data base Triggers to check the validity of records,, Write PL/SQL block to partition the details of the student into two tables.	LAB	https://opentextbc.ca/dbdesig01/chapter/chapter-sql-dml/	Ivan Bayross, (2007), Commercial Application Development Using ORACLE Developer 2000, First Edition.

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LESSON PLAN

ACADEMIC YEAR

2023-2024

Faculty Name

Dr. RADHARANI SARA VANAKUMAR.,

Year/Semester/Section

IT/IV/Additional

Degree & Branch

COMPUTER APPLICATIONS

Subject Code & Name

22UCA4A4 & ALLIED PAPER 4 - DISTRIBUTED OPERATING SYSTEM

S.No	Date	Hours	Topic(s)	Delivery Method	Unit	Books Referred
Unit 1						
1	08/12/2023	2	Fundamentals of Distributed Operating System: Meaning	PPT, CHALK AND TALK	Pradeep K. Saha - "Distributed Operating Systems: Concepts and Design" Prentice Hall of India, 2006. Chapter: 1. Page: 1-11	
2	09/12/2023	2	Evolution	PPT, CHALK AND TALK		
3	10/12/2023	1	Models	PPT, CHALK AND TALK		
4	11/12/2023	4	WORKSTATION MODEL	PPT, CHALK AND TALK		
5	12/12/2023	2	Workstation Server Model	PPT, CHALK AND TALK		
6	13/12/2023	2	Processor Pool Model, Hybrid Model	PPT, CHALK AND TALK		
7	14/12/2023	1	Issues in designing Distributed Operating System	PPT, CHALK AND TALK		
8	15/12/2023	1	Issues - Reliability, Performance	PPT, CHALK AND TALK		
9	16/12/2023	2	Issues - Flexibility, Performance	PPT, CHALK AND TALK		
10	17/12/2023	2	Issues - Scalability, Heterogeneity, Security & Emulation of existing operating systems	PPT, CHALK AND TALK		
11	18/12/2023	1	Fundamentals of Computer Networks: Introduction, Network types	PPT, CHALK AND TALK		
12	19/12/2023	2	LAN Technologies	PPT, CHALK AND TALK		
13	20/12/2023	1	WAN Technologies	PPT, CHALK AND TALK		
14	21/12/2023	4	Communication Protocols - Protocols for Network Systems	PPT, CHALK AND TALK		
15	22/12/2023	2	Communication Protocols - Protocols for Distributed Systems	PPT, CHALK AND TALK		
Unit 2						
16	23/12/2023	2	Message Passing: Introduction	PPT, CHALK AND TALK	Pradeep K. Saha - "Distributed Operating Systems: Concepts and Design" Prentice Hall of India, 2006. Chapter: 1. Page: 11-15; Chapter: 2. Page: 15-27	
17	24/12/2023	1	Desirable Features of a Good Message-Passing System	PPT, CHALK AND TALK		
18	25/12/2023	2	Synchronization	PPT, CHALK AND TALK		
19	26/12/2023	2	Buffering, Multidatagram Messages	PPT, CHALK AND TALK		
20	27/12/2023	1	Encoding and Decoding of Message Data	PPT, CHALK AND TALK		
21	28/12/2023	4	Process Addressing	PPT, CHALK AND TALK		
22	29/12/2023	1	Failure Handling	PPT, CHALK AND TALK		
23	30/12/2023	2	Failure Handling	PPT, CHALK AND TALK		
24	31/12/2023	4	Group Communication	PPT, CHALK AND TALK		
25	01/01/2024	1	Group Communication	PPT, CHALK AND TALK		

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. SUMANGALA K.,
Year/Semester/Section : I/IV/Additional
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 22UCA4A4 & ALLIED PAPER 4 - DISTRIBUTED OPERATING SYSTEM

S.No	Date	Hours	Topics	Delivery Methods	Links	Book Reference
Unit 3						
1	06/12/2023	5	Distributed Shared Memory - Introduction	PDF:CHALK AND TALK	https://www.geeksforgeeks.org/what-is-distributed-shared-memory-and-its-advantages/	Pradeep K. Sinha, "Distributed Operating Systems: Concepts and Design", Prentice Hall of India, 2006; Chapter-5, Pages:231-233
2	14/12/2023	5	General Architecture	PDF:CHALK AND TALK	https://www.geeksforgeeks.org/architecture-of-distributed-shared-memory/dsn/	Pradeep K. Sinha, "Distributed Operating Systems: Concepts and Design", Prentice Hall of India, 2006; Chapter-5, Pages:233-234
3	22/12/2023	5	Design and Implementation Issues	PDF:CHALK AND TALK	https://www.geeksforgeeks.org/design-and-implementation-issue-of-distributed-shared-memory/	Pradeep K. Sinha, "Distributed Operating Systems: Concepts and Design", Prentice Hall of India, 2006; Chapter-5, Pages:234-235
4	03/01/2024	5	Granularity	PDF:CHALK AND TALK	https://www.youtube.com/watch?v=Oypn4S78gSA	Pradeep K. Sinha, "Distributed Operating Systems: Concepts and Design", Prentice Hall of India, 2006; Chapter-5, Pages:235-237
5	11/01/2024	5	Structure of shared Memory Space	PDF:CHALK AND TALK	https://easyexamnotes.com/structure-of-shared-memory-space/	Pradeep K. Sinha, "Distributed Operating Systems: Concepts and Design", Prentice Hall of India, 2006; Chapter-5, Pages:237-238
6	24/01/2024	5	Consistency Models	PDF:CHALK AND TALK	https://www.geeksforgeeks.org/consistency-model-in-distributed-system/	Pradeep K. Sinha, "Distributed Operating Systems: Concepts and Design", Prentice Hall of India, 2006; Chapter-5, Pages:238-245
7	02/02/2024	5	Consistency Models	PDF:CHALK AND TALK	https://www.youtube.com/watch?v=Fn8UJFM21WU	Pradeep K. Sinha, "Distributed Operating Systems: Concepts and Design", Prentice Hall of India, 2006; Chapter-5, Pages:246-253
8	19/02/2024	5	Consistency Models	PDF:CHALK AND TALK	https://www.designgurus.io/blog/Consistency-Patterns-Distributed-Systems	Pradeep K. Sinha, "Distributed Operating Systems: Concepts and Design", Prentice Hall of India, 2006; Chapter-5, Pages:253-262
9	27/02/2024	5	Consistency Models	PDF:CHALK AND TALK	https://www.designgurus.io/blog/consistency-patterns-distributed-systems	Distributed Operating Systems, Pradeep K. Sinha; Chapter-5, Pages:238-261
10	06/03/2024	5	Consistency models - Mumin : A Release Consistent DSM System	PDF:CHALK AND TALK	https://people.engr.tamu.edu/benul/Courses/613/2013A/Slides/slides4 sn.pdf	Distributed Operating Systems: Concepts and Design, Pradeep K. Sinha; Chapter-5, Pages:259-262
11	14/03/2024	5	Replacement Strategy	PDF:CHALK AND TALK	https://www.geeksforgeeks.org/distributed-system-thrashing-in-distributed-shared-memory/	Distributed Operating Systems: Concepts and Design, Pradeep K. Sinha; Chapter-5, Pages:262-264
12	22/03/2024	5	Replacement Strategy	PDF:CHALK AND TALK	https://www.slideshare.net/ASH14march/distributed-shared-memory	Distributed Operating Systems: Concepts and Design, Pradeep K. Sinha; Chapter-5, Pages:262-264
13	23/03/2024	5	Thrashing	PDF:CHALK AND TALK	https://www.geeksforgeeks.org/distributed-system-thrashing-in-distributed-shared-memory/	Distributed Operating Systems: Concepts and Design, Pradeep K. Sinha; Chapter-5, Pages:264-265

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14	02/04/2024	5	Heterogenous DSM	PDF:CHALK AND TALK	https://www.studocu.com/in/document/indian-institute-of-technology-kharagpur/computer-networks/heterogenous-and-different-dm-systems-distributed-systemdocx/23548615	Distributed Operating Systems Concepts and Design, Pradeep K. Sinha: Chapter-5, Pages:267-270
15	10/04/2024	5	Advantages of DSM, Quiz	PDF:CHALK AND TALK	https://www.geeksforgeeks.org/what-is-distributed-shared-memory-and-its-advantages/	Distributed Operating Systems Concepts and Design, Pradeep K. Sinha: Chapter-5, Pages:270-272


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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. NANDHINESWARI S.,
Year/Semester/Section : II/IV/Additional
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 22UCA4SL & SKILL BASED SUBJECT 2 - LINUX PROGRAMMING LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	5	What is Linux programming?	LAB	https://www.digitalocean.com/community/tutorials/linux-commands	
2	07/12/2023	5	How to work in terminal?	LAB		
3	12/12/2023	5	How to create a program and execute in terminal?	LAB	https://www.hostinger.in/tutorials/linux-commands	
4	15/12/2023	5	To demonstrate the program to display the address in shell	LAB		
5	20/12/2023	5	To demonstrate how to implement addition of two numbers in shell	LAB	https://www.hostinger.in/tutorials/linux-commands	
Unit 2						
6	26/12/2023	5	To demonstrate how to implement arithmetic operators in shell	LAB	https://www.digitalocean.com/community/tutorials/linux-commands	
7	04/01/2024	5	Explained about loop concept in C++	LAB	https://www.javatpoint.com/linux-commands	
8	09/01/2024	5	To demonstrate the display patterns using looping concept	LAB		
9	12/01/2024	5	Explained about read statement in linux	LAB	https://www.javatpoint.com/linux-commands	
10	22/01/2024	5	To perform simple inventory control operation using read statement	LAB	https://www.geekforgeeks.org/basic-linux-commands/	
Unit 3						
11	27/01/2024	5	To prepare the student mark statement using necessary controls.	LAB	https://gupractical.com/shell-script-to-generate-mark-sheet-of-a-student/	
12	31/01/2024	5	To prepare the student mark statement using necessary controls.	LAB	http://sourcecodepoint.blogspot.com/2013/12/Write-a-linux-shell-program-to-perform-get-mark-detail-of-a-student-and-display-total-and-grade.html	



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13	05/02/2024	5	Sort the given numbers in both ascending orders	LAB	https://www.geeksforgeeks.org/sort-command-linuxunix-examples/
14	08/02/2024	5	Sort the given numbers in both ascending and descending orders	LAB	https://www.geeksforgeeks.org/sort-command-linuxunix-examples/
15	12/02/2024	5	To explain about function program in linux	LAB	https://phoenixnap.com/kb/linux-sort
16	15/02/2024	5	Write a shell program to perform user defined function concept.	LAB	https://phoenixnap.com/kb/linux-sort
17	17/02/2024	5	Write a shell program to perform user defined function concept.	LAB	
18	20/02/2024	5	Write a shell program to perform user defined function concept.	LAB	https://www.geeksforgeeks.org/function-command-in-linux-with-examples/
Unit 4					
19	23/02/2024	5	To demonstrate the shell script for dialog utility concepts in linux	LAB	https://www.geeksforgeeks.org/shell-scripting-dialog-boxes/
20	28/02/2024	5	To demonstrate about file commands in linux	LAB	https://www.geeksforgeeks.org/file-command-in-linux-with-examples/
21	04/03/2024	5	File command in linux with example	LAB	https://www.geeksforgeeks.org/file-management-in-linux/
22	07/03/2024	5	To demonstrate about the file directory in linux	LAB	https://www.javatpoint.com/linux-files
Unit 5					
23	12/03/2024	5	To demonstrate the file directory program in linux	LAB	
24	15/03/2024	5	To display the font in bold using linux	LAB	https://tash.cyberciti.biz/academic/bold-text-effect-in-script/
25	20/03/2024	5	Write a shell script: to display the text entered by the user in bold	LAB	
26	25/03/2024	5	Write a shell script: to display the text entered by the user in italic	LAB	https://forums.linuxmint.com/viewtopic.php?t=183392
27	28/03/2024	5	Formatting Text in Linux Terminals	LAB	https://forums.linuxmint.com/viewtopic.php?t=183392
28	03/04/2024	5	To demonstrate about the text in bold, italics and underlined	LAB	
29	06/04/2024	5	Change font in echo command	LAB	https://unix.stackexchange.com/questions/37260/change-font-in-echo-command
30	12/04/2024	5	To Practice all the linux lab sessions	LAB	https://unix.stackexchange.com/questions/37260/change-font-in-echo-command

S. Rajiv
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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mr. HALDURAL L.,
Year/Semester/Section : II/IV/Additional
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 22UWR4N2 & NON MAJOR ELECTIVE PAPER 2 - WOMEN'S RIGHTS

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	07/12/2023	3	Basic Concepts of women's studies in higher studies	CHALK AND TALK		Women's Rights
2	08/12/2023	3	Socialization: Education in Vedic Times	CHALK AND TALK		Women's Rights
3	15/12/2023	3	Education after advent of the British	CHALK AND TALK		Women's Rights
4	18/12/2023	3	Patriarchy: Contributions of great Social Reformers	CHALK AND TALK		Women's Rights

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5	26/12/2023	3	Education of women post Independence	CHALK AND TALK		Women's Rights
6	27/12/2023	3	Women's Studies as an Academic Discipline	CHALK AND TALK		Women's Rights
Unit 2						
7	04/01/2024	3	Social Economic Development of Women Family Welfare : Introduction and History	CHALK AND TALK		Women's Rights
8	05/01/2024	3	Role of Community Health Nurse in Family Welfare Services	CHALK AND TALK		Women's Rights
9	12/01/2024	3	Role of Mass Media in Women Empowerment	CHALK AND TALK		Women's Rights
10	27/01/2024	3	Women Land Rights	CHALK AND TALK		Women's Rights


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11	29/01/2024	3	Women Entrepreneurs and their problems	CHALK AND TALK		Women's Rights
12	05/02/2024	3	National Policy for the Empowerment of Women	CHALK AND TALK		Women's Rights

Unit 3

13	06/02/2024	3	Women's Rights : Access to Justice	CHALK AND TALK		Women's Rights
14	12/02/2024	3	Dowry System in India	CHALK AND TALK		Women's Rights
15	13/02/2024	3	Code of Conduct for Work Place	CHALK AND TALK		Women's Rights
16	20/02/2024	3	Violence against women and indian legislation	CHALK AND TALK		Women's Rights
17	21/02/2024	3	Types of Dowry Crime	CHALK AND TALK		Women's Rights
18	28/02/2024	3	Causes of the Dowry	CHALK AND TALK		Women's Rights

Unit 4



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19	29/02/2024	3	Women Protective Acts	CHALK AND TALK		Women's Rights
20	02/03/2024	3	The Suppression of Immortal Traffic in Women and Girls Act	CHALK AND TALK		Women's Rights
21	07/03/2024	3	Laws against sexual harassment of women in the workplace	CHALK AND TALK		Women's Rights
22	08/03/2024	3	Pre-Conception and Pre-Natal Diagnostic Techniques	CHALK AND TALK		Women's Rights
23	15/03/2024	3	Protection of Women from Domestic Violence Act	CHALK AND TALK		Women's Rights
24	18/03/2024	3	New Legislations	CHALK AND TALK		Women's Rights
Unit 5						


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25	25/03/2024	3	Women and Child Welfare	CHALK AND TALK	Women's Rights
26	26/03/2024	3	What is Cyber Bullying?	CHALK AND TALK	Women's Rights
27	03/04/2024	3	Cyber Bullying Laws in india	CHALK AND TALK	Women's Rights
28	04/04/2024	3	Media's Role in Empowerment of Women in India	CHALK AND TALK	Women's Rights
29	12/04/2024	3	Healing measures for the affected women and child by private and public sectors	CHALK AND TALK	Women's Rights
30	15/04/2024	3	Child Abuse - Diagnostics and Treatment	CHALK AND TALK	Women's Rights


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ACADEMIC YEAR

2023-2024

Faculty Name

Dr. G DONA RASHMI,

Year/Semester/Section

III/IV/Main

Degree & Branch

COMPUTER APPLICATIONS

Subject Code & Name

22UCA405 & CORE PAPER 5 - .NET FRAMEWORK WITH ORACLE

S.No	Topic	Books	Textbooks	Reference Books	Unit	Book Refered
Unit 1						
1	881/2502	1	Essential Visual Basic	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
2	881/2502	1	Upgrading from Visual Basic	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
3	881/2502	1	Upgrading from Visual Basic	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
4	881/2502	1	Net Framework and the CLR	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
5	881/2502	1	DE	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
6	881/2502	1	DE	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
7	881/2502	1	Editing VB Net Applications	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
8	881/2502	1	Operations	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
9	881/2502	1	Conditional and Loops	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
10	881/2502	1	Conditional and Loops	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
11	881/2502	1	Procedures, Scape	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
12	881/2502	1	Exception Handling	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
Unit 2						
13	881/2502	1	Windows Forms	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
14	881/2502	1	Adding Controls, Handling Events	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
15	881/2502	1	Creating MDI applications	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
16	881/2502	1	Toolboxes, Rich Text boxes	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
17	881/2502	1	Labels, Buttons, Check boxes	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
18	881/2502	1	Radio buttons, Panels	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
19	881/2502	1	Group boxes	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
20	881/2502	1	List box	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
21	881/2502	1	Checked list box	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
22	881/2502	1	Checked list box	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
23	881/2502	1	Combo box	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications
24	881/2502	1	Picture box	CHALK AND TALK	http://www.oracle.com/technetwork/java/javase-downloads-136794.html	Secret's Java (2005), Visual Basic, .NET Black Book, Free Edition, Dream Tech Publications

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24	Windows Forms – Scroll bars	CHALK AND TALK	https://www.javascripttutorial.net/javascript-scroll/	Sreeni Hoderi (2005). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
25	Splitters, Track Bars	CHALK AND TALK	http://www.databooks.co.uk/bk7799/DV/ViaSoft%20Black%20NET%204-32500uk%20Bk%20799.htm	Sreeni Hoderi (2005). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
26	Notify Icons, Tool tips	CHALK AND TALK	http://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	James Hilder (2004). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
27	Menus, Built in Dialog Boxes	CHALK AND TALK	https://www.javascripttutorial.net/javascript-menu_dialog_boxes.htm	Sreeni Hoderi (2005). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
28	Image list	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Sreeni Hoderi (2005). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
29	Toolbars	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	James Hilder (2004). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
30	Tree and List View	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Sreeni Hoderi (2005). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
31	Status bars	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Sreeni Hoderi (2005). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
32	Timers	CHALK AND TALK	https://www.javascripttutorial.net/javascript-timer/	Sreeni Hoderi (2005). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
33	progress bars	CHALK AND TALK	https://www.javascripttutorial.net/javascript-progress-bar/	Sreeni Hoderi (2005). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
34	Tabbed controls	CHALK AND TALK	https://www.javascripttutorial.net/javascript-tabbed-control/	Sreeni Hoderi (2005). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
35	Pickers	CHALK AND TALK	https://www.javascripttutorial.net/javascript-picker/	Sreeni Hoderi (2005). Visual Basic .NET Black Book. First Edition. Dream Tech Publication
Unit 4				
37	Interactive SQL – Invoking SQL Plus	CHALK AND TALK	https://blog.sqlalchemy.net/en/2012/04/24/sqlalchemy.html	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
38	Data definition- Data manipulation in D3MS , The article data types	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
39	DML and DDL statements	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
40	Arithmetic, logical operators- oracle functions	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
41	Data constraints	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
42	Grouping data from tables	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
43	Manipulating dates	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
44	Union, Intersect	PPT	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
45	Minus clause	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
46	Granting permissions	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
47	Revoking permissions	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
48	Codd's Rules	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
Unit 5				
49	PL/SQL Introduction, PL/SQL syntax.	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
50	Understanding PL/SQL block structure, oracle transactions	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
51	Cursors, Stored Procedures	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
52	Database Triggers, Creating Default Tabular Report	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
53	SQL Nested Sub queries, Derived Relations	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
54	Views, Joined Relations	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
55	Integrity Constraints	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
56	Domain Constraints, Referential Integrity	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
57	Normalization: First Normal Form	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication
58	Second Normal Form	CHALK AND TALK	https://www.scribd.com/doc/1046474/Notify-Icons-Tool-Tips	Arshad Sherechaz, Henry F. Kern, S. Subbarath (2006). Database System Concepts, Fifth Edition. Tata McGraw Hill Publication


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59	1000/2204	5	Third Normal Form	https://www.bdbopenmarket.com/	Arthurs Elstner, Henry P. Korth, S. Abraham, (2005) Database Systems: Concepts, 7th Edition, Part 4, 4th Edition
60	1000/2204	5	BCNF	https://www.bdbopenmarket.com/	Arthurs Elstner, Henry P. Korth, S. Abraham, (2005) Database Systems: Concepts, 7th Edition, Part 4, 4th Edition
			3NF AND 4NF		
			CRUX AND YALX		

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. G DONA RASHMI,
Year/Semester/Section : II/IV/Main
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 22UCA4CO & CORE PRACTICAL 4 - .NET FRAMEWORK WITH ORACLE LAB

S.No	Date	Topics	Delivery Methods	Links	Book Refered
Unit 1					
1	04/12/2023	Program to print Hello World in VB.NET	LAB	https://www.programiz.com/vb-net/hello-world-program	Visual Basic .NET Black Book by Saeed Haidar
2	05/12/2023	VB.Net program to demonstrate the difference between Console.WriteLine() and Console.WriteLine() methods	LAB	https://www.includetelp.com/vb-net/demonstrate-the-difference-between-console-stdout-console-stdout-stdout-methods.aspx?topic=vbnet	Visual Basic .NET Black Book by Saeed Haidar
3	07/12/2023	VB.Net program to print backslash (\) character on the console screen	LAB	https://www.programiz.com/vb-net/program-to-print-backslash-character-on-the-console-screen	Visual Basic .NET Black Book by Saeed Haidar
4	08/12/2023	VB.Net program to convert a double number into an integer number	LAB	https://www.programiz.com/vb-net/program-to-convert-a-double-number-into-an-integer-number	Visual Basic .NET Black Book by Saeed Haidar
5	08/12/2023	Perform Matrix Multiplication using Arrays Concept in Console Application	LAB	https://www.donetheweb.com/articles/2017/multipurpose-digital-check-counter	Visual Basic .NET Black Book by Saeed Haidar
6	12/12/2023	Program to simulate a simple calculator in Windows Application.	LAB	https://www.sourcecodester.com/vb-net/basic-net/vb-net-basic-2008-calculator.html	Visual Basic .NET Black Book by Saeed Haidar
7	13/12/2023	Program to simulate a simple calculator in Windows Application.	LAB	https://www.sourcecodester.com/vb-net/basic-net/vb-net-basic-2008-calculator.html	Visual Basic .NET Black Book by Saeed Haidar
8	15/12/2023	Program to simulate a digital clock with reset option in Windows Application	LAB	https://www.codeproject.com/Articles/52977/Multipurpose-Digital-Clock-Counter-using-.NET	Visual Basic .NET Black Book by Saeed Haidar
9	16/12/2023	Program to simulate a digital clock with reset option in Windows Application	LAB	https://www.codeproject.com/Articles/52977/Multipurpose-Digital-Clock-Counter-using-.NET	Visual Basic .NET Black Book by Saeed Haidar
10	16/12/2023	VB.Net program to convert different types of variables into the string	LAB	https://www.includetelp.com/vb-net/convert-different-types-of-variables-into-the-string.aspx	Visual Basic .NET Black Book by Saeed Haidar
11	20/12/2023	VB.Net program to check the given number is even or odd	LAB	https://www.sourcecodester.com/vb-net/vb-net-basic-net/4855/even-or-odd-number-vbnet.html	Visual Basic .NET Black Book by Saeed Haidar
12	21/12/2023	VB.Net program to check the given year is leap year or not using conditional operator	LAB	https://www.includetelp.com/vb-net/vb-net-check-leap-year.aspx?topic=vbnet	Visual Basic .NET Black Book by Saeed Haidar
13	26/12/2023	VB.Net program to check the given year is leap year or not using conditional operator	LAB	https://www.includetelp.com/vb-net/vb-net-check-leap-year.aspx?topic=vbnet	Visual Basic .NET Black Book by Saeed Haidar
14	27/12/2023	VB.Net program to create a global variable	LAB	https://www.programiz.com/vb-net/program-to-create-a-global-variable/	Visual Basic .NET Black Book by Saeed Haidar
15	27/12/2023	Perform Matrix Multiplication using Arrays Concept in Console Application	LAB	https://www.donetheweb.com/articles/2017/multipurpose-digital-check-counter	Visual Basic .NET Black Book by Saeed Haidar

Unit 2

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16	02/01/2024	1	VB.Net program to print the explicitly initialized values of Enum constants	LAB	https://www.phpoint.com/vbnet-program-to-print-explicitly-initialized-values-of-enum/	Visual Basic .NET Black Book by Steven Holzner
17	04/01/2024	2	VB.Net program to create a constant using const keyword	LAB	https://www.phpoint.com/vb-net-variable-and-const-keyword-Declaration%20of%20Constants,Const%20Constants%20As%20Enums%20%3D%20%20value%20of%20enums.aspx	Visual Basic .NET Black Book by Steven Holzner
18	05/01/2024	3	VB.Net program to print the name of Enum constants	LAB	https://www.includehelp.com/vb-net/print-the-name-of-enum-constants.aspx?go=egc_vignette	Visual Basic .NET Black Book by Steven Holzner
19	05/01/2024	4	VB.Net program to print the default initialized values of Enum constants	LAB	https://www.dougpeters.com/enam-vbnet	Visual Basic .NET Black Book by Steven Holzner
20	09/01/2024	4	VB.Net program to print the default initialized values of Enum constants	LAB	https://www.phpoint.com/vbnet-program-to-print-the-default-values-of-enum-constants/	Visual Basic .NET Black Book by Steven Holzner
21	08/01/2024	1	VB.Net program to demonstrate the GetChar() function	LAB	https://www.includehelp.com/vb-net/demonstrate-the-getchar-function.aspx	Visual Basic .NET Black Book by Steven Holzner
22	12/01/2024	2	VB.Net program to demonstrate the GetChar() function	LAB	https://www.includehelp.com/vb-net/demonstrate-the-getchar-function.aspx	Visual Basic .NET Black Book by Steven Holzner
23	22/01/2024	4	VB.Net program to reverse the given number using the While loop	LAB	https://www.includehelp.com/vb-net/reverse-the-given-number-using-the-while-loop.aspx	Visual Basic .NET Black Book by Steven Holzner
24	23/01/2024	1	VB.Net program to check the given number is palindrome or not using the While loop	LAB	https://www.phpoint.com/vbnet-program-to-check-the-given-number-is-palindrome-or-not-using-while-loop/	Visual Basic .NET Black Book by Steven Holzner
25	27/01/2024	2	VB.Net program to count the digits of a given number using the While loop	LAB	https://www.includehelp.com/vb-net/check-the-given-number-is-armingstrong-or-not-using-the-while-loop.aspx	Visual Basic .NET Black Book by Steven Holzner
26	29/01/2024	2	Develop a Simple Project, showing the process (using payroll process) 1) Move first 2) Move Last 3; Move Previous 4) Move Next	LAB	https://learn.microsoft.com/en-us/office/client-developer/office/desktop-database-reference/movefirst-move-last-move-previous-and-move-previous-methods-example-vb	Visual Basic .NET Black Book by Steven Holzner
27	29/01/2024	4	Develop a Simple Project, showing the process (using payroll process) 1) Move first 2) Move Last 3; Move Previous 4) Move Next	LAB	https://learn.microsoft.com/en-us/office/client-developer/office/desktop-database-reference/movefirst-move-last-move-previous-and-move-previous-methods-example-vb	Visual Basic .NET Black Book by Steven Holzner
28	31/01/2024	4	Program for a notepad application in Windows Application	LAB	https://www.sourcecodester.com/Visual-Basic-.NET/14648/notepad-vbnet-full-source-code.html	Visual Basic .NET Black Book by Steven Holzner
29	01/02/2024	1	Program for a notepad application in Windows Application	LAB	https://www.sourcecodester.com/Visual-Basic-.NET/14648/notepad-vbnet-full-source-code.html	Visual Basic .NET Black Book by Steven Holzner
30	03/02/2024	2	Program to maintain student details in Windows Application.	LAB	https://www.scribd.com/document/59623261/Student-Management-System-App-Features-in-Visual-Basic-and-Database	Visual Basic .NET Black Book by Steven Holzner
Unit 3						
31	06/02/2024	2	Develop a Simple Project for Library Management using VB.NET as front end and ORACLE as back end and create a Crystal report.	LAB	https://www.sourcecodester.com/Visual-Basic-.NET/14644/library-management-system-vbnet-full-source-code.html	Visual Basic .NET Black Book by Steven Holzner
32	06/02/2024	4	Develop a Simple Project for Library Management using VB.NET as front end and ORACLE as back end and create a Crystal report.	LAB	https://www.sourcecodester.com/Visual-Basic-.NET/14644/library-management-system-vbnet-full-source-code.html	Visual Basic .NET Black Book by Steven Holzner
33	08/02/2024	4	Develop a Simple Project for Library Management using VB.NET as front end and ORACLE as back end and create a Crystal report.	LAB	https://www.sourcecodester.com/Visual-Basic-.NET/14644/library-management-system-vbnet-full-source-code.html	Visual Basic .NET Black Book by Steven Holzner
34	09/02/2024	1	VB.Net program to check the given number is Armstrong or not using the While loop	LAB	https://www.includehelp.com/vbnet/check-the-given-number-is-armingstrong-or-not-using-the-while-loop.aspx	Visual Basic .NET Black Book by Steven Holzner
35	12/02/2024	2	VB.Net program to print the table of given number using Do Loop While	LAB	https://www.includehelp.com/vb-net/print-1-1-31-61-using-do-loop-while.aspx	Visual Basic .NET Black Book by Steven Holzner
36	13/02/2024	2	VB.Net program to print 1, 11, 31, 61, ... using Do Loop While	LAB	https://www.includehelp.com/vbnet/print-1-1-31-61-using-do-loop-while.aspx	Visual Basic .NET Black Book by Steven Holzner

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37	13/02/2024	4	VB.Net program to read a name and print 5 times using the Do Loop While	LAB	https://www.programiz.com/csharp/program-to-read-a-name-and-print-5-times-using-do-while-loop-in-csharp	Visual Basic .NET Built Back by Steven Holzner
38	15/02/2024	4	VB.Net program to demonstrate the Val() function	LAB	https://www.programiz.com/csharp/demonstrate-the-val-function-in-csharp	Visual Basic .NET Built Back by Steven Holzner
39	16/02/2024	1	VB.Net program to demonstrate the nested 'select case'	LAB	https://www.programiz.com/csharp/program-to-demonstrate-the-nested-select-case-in-csharp	Visual Basic .NET Built Back by Steven Holzner
40	17/02/2024	4	VB.Net program to calculate the perimeter of the circle	LAB	https://www.programiz.com/csharp/program-to-calculate-the-perimeter-of-the-circle-in-csharp	Visual Basic .NET Built Back by Steven Holzner
41	20/02/2024	2	VB.Net program to find the largest number among three numbers using conditional operator	LAB	https://www.programiz.com/csharp/program-to-find-the-largest-number-among-three-numbers-using-conditional-operator-in-csharp	Visual Basic .NET Built Back by Steven Holzner
42	21/02/2024	2	VB.Net program to find the largest number among three numbers using conditional operator	LAB	https://www.programiz.com/csharp/program-to-find-the-largest-number-among-three-numbers-using-conditional-operator-in-csharp	Visual Basic .NET Built Back by Steven Holzner
43	21/02/2024	4	VB.Net program to check leap year	LAB	https://www.programiz.com/csharp/program-to-check-leap-year-in-csharp	Visual Basic .NET Built Back by Steven Holzner
44	23/02/2024	4	Create a student mark list and do the following ☒ Alter the table to add total and average fields with required size. ☒ Modify to increase the total field size. ☒ Calculate the total and average.	LAB	https://www.programiz.com/csharp/program-to-find-average-marks-of-each-student-in-csharp	A Beginner's Guide - SQL, Andy Oppel, Robert Sheldon
45	26/02/2024	1	Create two tables in the name Employee_Personal and Employee_Salary using Primary and Foreign key concept and perform necessary operations. ☒ Display the employee details who are all getting salary above 5000. ☒ Display the employee name and address who are all coming from city "Coimbatore" or "Chennai". ☒ Display the employee name, who are all coming from city "Coimbatore" and pin code 641029 or 641001. ☒ Display the employee details in descending order based on name.	LAB	https://www.programiz.com/csharp/program-to-find-average-marks-of-each-student-in-csharp	A Beginner's Guide - SQL, Andy Oppel, Robert Sheldon
Unit 4						
46	28/02/2024	2	Select Statement, Update Statement	LAB	https://www.programiz.com/csharp/program-to-update-a-select-statement-in-csharp	A Beginner's Guide - SQL, Andy Oppel, Robert Sheldon
47	29/02/2024	2	Select Statement, Update Statement	LAB	https://www.programiz.com/csharp/program-to-update-a-select-statement-in-csharp	A Beginner's Guide - SQL, Andy Oppel, Robert Sheldon
48	29/02/2024	4	Create a table and perform the queries using comparison, logical set, sorting and grouping operators.	LAB	https://www.programiz.com/csharp/program-to-perform-queries-using-comparison-logical-set-sorting-and-grouping-operators-in-csharp	A Beginner's Guide - SQL, Andy Oppel, Robert Sheldon
49	02/03/2024	2	Create a table and perform the queries using comparison, logical set, sorting and grouping operators.	LAB	https://www.programiz.com/csharp/program-to-perform-queries-using-comparison-logical-set-sorting-and-grouping-operators-in-csharp	A Beginner's Guide - SQL, Andy Oppel, Robert Sheldon
50	02/03/2024	4	Write necessary queries to perform oracle built-in functions	LAB	https://www.programiz.com/csharp/program-to-perform-queries-using-comparison-logical-set-sorting-and-grouping-operators-in-csharp	A Beginner's Guide - SQL, Andy Oppel, Robert Sheldon
51	04/03/2024	4	Write necessary queries to perform oracle built-in functions	LAB	https://www.programiz.com/csharp/program-to-perform-queries-using-comparison-logical-set-sorting-and-grouping-operators-in-csharp	A Beginner's Guide - SQL, Andy Oppel, Robert Sheldon
52	05/03/2024	1	Write PL/SQL block to prepare electricity bill.	LAB	https://www.programiz.com/csharp/program-to-perform-queries-using-comparison-logical-set-sorting-and-grouping-operators-in-csharp	A Beginner's Guide - SQL, Andy Oppel, Robert Sheldon
53	07/03/2024	2	Write PL/SQL block to prepare electricity bill.	LAB	https://www.programiz.com/csharp/program-to-perform-queries-using-comparison-logical-set-sorting-and-grouping-operators-in-csharp	A Beginner's Guide - SQL, Andy Oppel, Robert Sheldon
54	08/03/2024	2	Delete Statements in SQL	LAB	https://www.programiz.com/csharp/program-to-perform-queries-using-comparison-logical-set-sorting-and-grouping-operators-in-csharp	A Beginner's Guide - SQL, Andy Oppel, Robert Sheldon

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55	08/03/2024	4	Create Table Statement	LAB	https://www.w3schools.com/sql/sql_create.asp	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
56	12/03/2024	4	Alter Table Statement in SQL	LAB	https://www.w3schools.com/sql/sql_alter.asp	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
57	13/03/2024	1	Drop Table Statement in SQL	LAB	https://www.java-point.com/sql-drop-table?text=A%3DSQL%20DROP%20TABLE%20statement&url=https://www.w3schools.com/sql/sql_drop.asp	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
58	15/03/2024	2	Create Database Statement in SQL	LAB	https://www.w3schools.com/sql/sql_create_db.asp	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
59	18/03/2024	2	Insert Into Statement in SQL	LAB	https://www.w3schools.com/sql/sql_insert.asp	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
60	18/03/2024	4	Describe Statement in SQL	LAB	https://www.geeksforgeeks.org/sql-describe-statement/	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
Unit 5						
61	20/03/2024	4	Distinct Clause in SQL	LAB	https://www.java-point.com/how-to-use-distinct-in-sql?text=SQL%20DISTINCT%20clause%20is%20used%20to%20select%20distinct%20rows	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
62	21/03/2024	1	commit and rollback statement in sql	LAB	https://www.java-point.com/commit-and-rollback-in-sql/	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
63	25/03/2024	2	Create and drop Index Statements in SQL	LAB	https://www.geeksforgeeks.org/create-and-drop-index-statements-in-sql/	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
64	26/03/2024	2	Write PL/SQL block to find the sum of individual number.	LAB	https://www.geeksforgeeks.org/sql-sum-of-digits-of-a-number-in-pl-sql/	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
65	26/03/2024	4	Write PL/SQL block to find the sum of individual number.	LAB	https://codingle.wordpress.com/2018/12/24/plsql-program-to-find-sum-of-digits-of-a-number/	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
66	28/03/2024	4	Write PL/SQL block to find the given number is Armstrong number or not.	LAB	https://www.programming9.com/programs/databases/-4c-pl-sql-program-to-check-entered-number-is-armstrong-or-not/#google_vignette	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
67	01/04/2024	1	Write a PL/SQL block to find the given number is Armstrong number or not.	LAB	https://www.geeksforgeeks.org/sql-trigger-student-data-set/	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
68	03/04/2024	2	Create a Data base Triggers to check the validity of records.	LAB	https://docs.oracle.com/cd/A58677_01/server.804/a58677/4n9.htm	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
69	04/04/2024	2	Create a Data base Triggers to check the validity of records.	LAB	https://fichevonnill.wordpress.com/2012/11/06/validating-data-using-a-trigger/	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
70	04/04/2024	4	Create a Data base Triggers to check the validity of records.	LAB	https://www.geeksforgeeks.org/sql-trigger-student-data-set/	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
71	06/04/2024	4	Write PL/SQL block to partition the details of the student into two tables.	LAB	https://docs.oracle.com/en/database/oracle/database/12.2/sql-by-partition-create-tables-index.html	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
72	08/04/2024	1	Write PL/SQL block to partition the details of the student into two tables.	LAB	https://www.geeksforgeeks.org/how-to-retrieve-data-from-multiple-tables-in-pl-sql/	https://www.geeksforgeeks.org/how-to-retrieve-data-from-multiple-tables-in-pl-sql/
73	12/04/2024	2	Write PL/SQL block to partition the details of the student into two tables.	LAB	https://www.geeksforgeeks.org/how-to-retrieve-data-from-multiple-tables-in-pl-sql/	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
74	15/04/2024	2	Create a Data base Triggers to check the validity of records.	LAB	https://www.geeksforgeeks.org/sql-trigger-student-data-set/	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon
75	15/04/2024	4	Write necessary queries to perform oracle built-in functions.	LAB	https://docs.oracle.com/javadb/12.8.3.0/rel/notes/j23026.html	A Beginners Guide - SQL, Andy Oppel, Robert Sheldon

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. RADHARANI SARAVANAKUMAR.,
Year/Semester/Section : Ist/V/Main
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 22UCA4A4 & ALLIED PAPER 4 - DISTRIBUTED OPERATING SYSTEM

S.No	Date	Item	Delivery Method	Unit	Unit 1	Unit 2
1	04/12/2023	1	THEORITICAL AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
2	05/12/2023	2	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
3	06/12/2023	3	THEORITICAL AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
4	07/12/2023	4	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
5	08/12/2023	5	WORKSTATION MODEL	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
6	09/12/2023	6	WORKSTATION MODEL	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
7	10/12/2023	7	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
8	11/12/2023	8	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
9	12/12/2023	9	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
10	13/12/2023	10	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
11	14/12/2023	11	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
12	15/12/2023	12	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
13	16/12/2023	13	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
14	17/12/2023	14	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
15	18/12/2023	15	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
16	19/12/2023	16	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
17	20/12/2023	17	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
18	21/12/2023	18	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
19	22/12/2023	19	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
20	23/12/2023	20	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
21	24/12/2023	21	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
22	25/12/2023	22	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
23	26/12/2023	23	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
24	27/12/2023	24	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems
25	28/12/2023	25	PROBLEMS AND TALK	Unit 1	Introduction to Distributed Operating Systems	Introduction to Distributed Operating Systems



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26	24/01/2024	1	Remote Procedure Calls: Introduction	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Remote Procedure Calls, 2006. Chapter 4. Pages 161-168
27	27/01/2024	2	The RPC Model	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Remote Procedure Calls, 2006. Chapter 4. Pages 168-169
28	28/01/2024	3	Transparency of RPC	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Remote Procedure Calls, 2006. Chapter 4. Pages 170-171
29	31/01/2024	4	RPC Messages	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Remote Procedure Calls, 2006. Chapter 4. Pages 171-173
30	01/02/2024	5	RPC Messages	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Remote Procedure Calls, 2006. Chapter 4. Pages 173-177
Unit 3						
31	03/02/2024	1	Distributed Shared Memory - Introduction	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 211-213
32	06/02/2024	2	General Architecture	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 213-214
33	06/02/2024	3	Design and Implementation Issues	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 214-215
34	06/02/2024	4	Granularity	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 215-217
35	06/02/2024	5	Structure of Shared Memory Space	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 217-218
36	12/02/2024	6	Consistency Models	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 218-245
37	13/02/2024	7	Consistency Models	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 246-253
38	14/02/2024	8	Consistency Models	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 253-262
39	14/02/2024	9	Replacement Strategy	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 262-264
40	17/02/2024	10	Trashing	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 264-267
41	19/02/2024	11	Heterogeneous DSM	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 267-270
42	20/02/2024	12	Advantages of DSM	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 270-272
43	21/02/2024	13	Class Test	PDF	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 272-272
44	21/02/2024	14	Class Test	PDF	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 272-272
45	24/02/2024	15	Quiz	PDF	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Distributed Shared Memory, 2006. Chapter 5. Pages 272-272
Unit 4						
46	27/02/2024	1	Synchronization: Introduction	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 6. Pages 282-283
47	28/02/2024	2	Clock Synchronization	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 6. Pages 283-287
48	28/02/2024	3	Clock Synchronization	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 6. Pages 287-292
49	02/03/2024	4	Event Ordering	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 6. Pages 292-294
50	03/03/2024	5	Event Ordering	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 6. Pages 294-297
51	06/03/2024	6	Mutual Exclusion	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 6. Pages 297-301
52	06/03/2024	7	Mutual Exclusion	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 6. Pages 302-305
53	08/03/2024	8	Deadlock	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 6. Pages 305-312
54	08/03/2024	9	Deadlock	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 6. Pages 313-321
55	12/03/2024	10	Deadlock	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 6. Pages 322-322
56	13/03/2024	11	Election Algorithms	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 6. Pages 322-326
57	14/03/2024	12	Resource Management : Task Assignment Approach, Load Balancing Approach	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 7. Pages 331-334
58	04/04/2024	13	Load Balancing Approach	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 7. Pages 334-336
59	04/04/2024	14	Load Sharing Approach , Process migration	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 7. Pages 338-344
60	24/04/2024	15	Threholds	PDF CHALK AND TALK	https://www.gutenberg.org/files/14140/14140-h/14140-h.htm	Concepts and Design: Synchronization, 2006. Chapter 8. Pages 344-344
Unit 5						

[Signature]
Head of the Department



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61	31-03-2021		Distributed File System: Introduction – Features	FPS CLAXX AND TALX	https://medium.com/@ps_australia/distributed-file-system-a-former-of-peer-distributed-system-97c72208e9ee?source=visual-search	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006, Chapter -9 : Page- 11-15
62	22/07/2024	✓	File Models, File Accessing Models	FTR CLAXX AND TALX	https://www.geogebra.org/m/yvqfzjgkxw	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006, Chapter -9 : Page- 13-10
63	23/07/2024	✓	File Sharing Semantics	FPS CLAXX AND TALX	https://www.problemsolving.in/web-content	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006, Chapter -9 : Page- 13-4,13
64	24/07/2024	✓	File Caching Schemes	FPS CLAXX AND TALX	https://www.geogebra.org/m/yvqfzjgkxw	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006, Chapter -9 : Page-13-4,10
65	26/07/2024	✓	File Replication	FPS CLAXX AND TALX	https://www.studocu.com/in/document/all-india-institute-of-management-and-technology	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006, Chapter -9 : Page- 13-4,17
66	28/07/2024	✓	Fault Tolerance	FTR CLAXX AND TALX	https://www.geogebra.org/m/yvqfzjgkxw	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006, Chapter -9 : Page- 13-4,13
67	30/07/2024	✓	Naming Features	FPS CLAXX AND TALX	https://www.studocu.com/in/document/all-india-institute-of-management-and-technology	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006, Chapter -10 : Page- 14,17-14,19
68	02/08/2024	✓	Security-Cryptography	FPS CLAXX AND TALX	https://www.youtube.com/watch?v=hgz2ZjHdKt4	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006, Chapter -11 : Page-15,15-16
69	03/08/2024	✓	Digital Signatures	FPS CLAXX AND TALX	https://medium.com/@ps_australia/distributed-file-system-a-former-of-peer-distributed-system-97c72208e9ee?source=visual-search	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006, Chapter -11 : Page-15,15-16
70	04/08/2024	✓	Fault tolerance	FTR	https://www.geogebra.org/m/yvqfzjgkxw	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006
71	06/09/2024	✓	File Accessing Models	FTR	https://www.geogebra.org/m/yvqfzjgkxw	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006
72	08/09/2024	✓	File Sharing	FTR	https://medium.com/@ps_australia/distributed-file-system-a-former-of-peer-distributed-system-97c72208e9ee?source=visual-search	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006
73	10/09/2024	✓	File Caching Schemes	FTR	https://www.geogebra.org/m/yvqfzjgkxw	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006
74	12/09/2024	✓	Class test	FPS	https://www.geogebra.org/m/yvqfzjgkxw	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006
75	13/09/2024	✓	quiz	FPS	https://www.geogebra.org/m/yvqfzjgkxw	Priyadip K.Sahu - "Distributed Operating Systems : Concepts and Design" : Prentice Hall of India, 2006



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. RADHARANI SARAVANAKUMAR.,
Year/Semester/Section : II/IV/Main
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 22UCA4SL & SKILL BASED SUBJECT 2 - LINUX PROGRAMMING LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	06/12/2023	4	Basic Linux commands	LAB	https://www.geeksforgeeks.org/basic-linux-commands/	
2	11/12/2023	5	Basic Linux commands	LAB	https://www.geeksforgeeks.org/basic-linux-commands/	
3	14/12/2023	4	Basic Linux commands	LAB	https://www.geeksforgeeks.org/basic-linux-commands/	
4	19/12/2023	5	The 40 most used linux commands	LAB	https://kinsta.com/blog/linux-commands/	
5	22/12/2023	4	Write a shell program to display your address	LAB	https://www.log2base2.com/shell-script-examples/basic-shell-script-takes-name-and-display.html	
6	03/01/2024	4	Simple Linux Programs	LAB	https://www.coursethero.com/file/49592564/unixdocx/	
7	08/01/2024	5	Simple Linux Programs	LAB	https://www.coursethero.com/file/49592564/unixdocx/	
Unit 2						
8	11/01/2024	4	To perform arithmetic operations using shell arithmetic	LAB	https://learning-ocean.com/tutorials/shellscript/shellscript-arithmetic-operations	
9	24/01/2024	4	To perform arithmetic operations using shell arithmetic	LAB	https://learning-ocean.com/tutorials/shellscript/shellscript-arithmetic-operations	
10	30/01/2024	5	Print the different patterns using looping operations.	LAB	https://www.geeksforgeeks.org/programs-printing-pyramid-pattern-bash/	
11	02/02/2024	4	Print the different patterns using looping operations.	LAB	https://tclassroom.com/unix/shell-programming-for-loop	
Unit 3						



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12	03/02/2024	5	To perform simple inventory control operation using read statement	LAB	https://www.baeldung.com/linux/read-command	
13	07/02/2024	5	To prepare the student mark statement using necessary controls	LAB	https://www.unix.com/home-work-and-coursework-questions/277899-grades-exercise.html	
14	14/02/2024	5	To prepare the student mark statement using necessary controls	LAB	https://www.kau.edu.sa/Files/8330/Files/60761_Linux.pdf	
15	19/02/2024	4	Sort the given numbers in both ascending and descending orders	LAB	https://stackoverflow.com/questions/59051773/how-to-print-numbers-in-ascending-order-using-for-loop-in-shell-script	
16	22/02/2024	5	Sort the given numbers in both ascending and descending orders	LAB	https://tecmint.net/linux-sort-command/	
Unit 4						
17	27/02/2024	4	Write a shell program to perform user defined function concept	LAB	https://www.linuxtechi.com/define-use-functions-linux-shell-script/	
18	01/03/2024	5	Write a shell program to perform user defined function concept	LAB	https://olanipekunayo2012.medium.com/shell-script-functions-and-arguments-52957f960844	
19	06/03/2024	4	Write a shell program using dialog utility concept	LAB	https://www.geeksforgeeks.org/shell-scripting-dialog-boxes/	
20	11/03/2024	5	Write a shell program using dialog utility concept	LAB	https://linuxcommand.org/tc3_adv_dialog.php	
21	14/03/2024	4	Write a shell program using dialog utility concept	LAB	http://www.freem.com/guides/lst/ch04sec11.html	
22	16/03/2024	5	Write a program to perform file operation	LAB	https://www.geeksforgeeks.org/shell-script-to-perform-operations-on-a-file/	
23	19/03/2024	5	Write a program to perform file operation	LAB	https://dyclassroom.com/unix/shell-programming-file-operators	
24	22/03/2024	4	Write a program to perform file operation	LAB	https://www.educba.com/bash-file/	
25	23/03/2024	4	Write a program to perform file operation	LAB	https://nozearena.com/lesson/file-manipulation-in-linux-shell-scripting/	
Unit 5						
26	27/03/2024	5	Write a shell script to print 'Hello Linux' message in Bold, Blink and different colors.	LAB	https://gist.github.com/Synxed/74baa4b17001b9e4b80ff89f92b7ca45	



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27	02/04/2024	4	Write a shell script to print 'Hello Linux' message in Bold, Blink and different colors.	LAB	https://gist.github.com/Synxed/74baadb17001b9e4b80f89f92b7ca45	
28	05/04/2024	5	Write a shell script to print 'Hello Linux' message in Bold, Blink and different colors.	LAB	https://gist.github.com/Synxed/74baadb17001b9e4b80f89f92b7ca45	
29	10/04/2024	4	Write a shell script to print 'Hello Linux' message in Bold, Blink and different colors.	LAB	https://stackoverflow.com/questions/5947742/how-to-change-the-output-color-of-echo-in-linux	
30	16/04/2024	5	Write a shell script to print 'Hello Linux' message in Bold, Blink and different colors.	LAB	https://unix.stackexchange.com/questions/220603/how-can-i-make-flashing-text-in-bash	

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Faculty Signature

Coordinator

Head of the Department



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. G DONA RASHMI,
Year/Semester/Section : II/IV/Main
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 22UWR4N2 & NON MAJOR ELECTIVE PAPER 2 - WOMEN'S RIGHTS

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 3						
1	08/12/2023	3	Minorities, Dowry	CHALK AND TALK	https://journals.sagepub.com/doi/abs/10.1177/1524838005283927	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
2	18/12/2023	3	Harassment and Death	CHALK AND TALK	https://www.unwomen.org/en/what-we-do/ending-violence-against-women/types-of-violence	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
3	27/12/2023	3	Code of conduct for work place, Abetment of suicide	CHALK AND TALK	https://www.ncln.nic.in/gov/pnc/articles/PMCQ261212/ , https://people.gov.in/assets/pdf/handbook-on-sexual-harassment-of-women-at-workplace2.pdf	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
Unit 4						
4	05/01/2024	3	Protective legislation for women in the Indian constitution	CHALK AND TALK	http://new.nic.in/important-links/List-of-Laws-Related-to-Women	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
5	29/01/2024	3	Anti dowry	CHALK AND TALK	https://www.bhramini.com/development/Dowry-Prohibition-Act-https://feminisminindia.com/2017/06/21/historical-journey-anti-dowry-bans/	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
6	06/02/2024	3	SITA	CHALK AND TALK	https://icetbook.com/iss-preparation/immoral-traffic-prevention-act	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
7	13/02/2024	3	PNDT	CHALK AND TALK	https://www.indiacode.nic.in/bitstream/23456789/8399/1/pre-conception-pre-natal-diagnostic-techniques-act-1994.pdf	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
8	21/02/2024	3	Prevention Sexual Harassment at Workplace (Visaka case)	CHALK AND TALK	https://wcd.nic.in/sites/default/files/Handbook%20on%20Sexual%20Harassment%20of%20Women%20at%20Workorplace.pdf , https://people.gov.in/assets/pdf/handbook-on-sexual-harassment-of-women-at-workplace2.pdf	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
9	29/02/2024	3	Domestic violence (Prevention) Act	CHALK AND TALK	https://en.wikipedia.org/wiki/Protection_of_Women_from_Domestic_Violence_Act_2005 , https://www.indiacode.nic.in/bitstream/23456789/5436/1/protection_of_women_from_domestic_violence_act%2C_2005.pdf	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
Unit 5						
10	02/03/2024	3	Women and Child welfare, Safety provisions	CHALK AND TALK	https://www.briilopedia.net/post/provisions-related-to-women-and-children-under-labour-law	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029

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11	08/03/2024	3	Various forms of mass media, radio, visual, internet, cyber space, texting, SMS and smart phone usage	CHALK AND TALK	https://www.europa.eu/RegData/eur-lex/dir/ST/2023/7433_41/STU/STU(2023)74334_1_EN.pdf , https://www.researchgate.net/publication/278015875_Cyber_Crim_e_and_the_Victimization_of_Women_Laws_Rights_and_Regulations	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
12	18/03/2024	3	Healing measures for the affected women and child society by private and public sector	CHALK AND TALK	https://www.coe.int/en/web/genderequality/promoting-and-protecting-women-s-rights	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
13	26/03/2024	3	Healing measures for the affected women and child society by private and public sector	CHALK AND TALK	https://pib.gov.in/pressreleaseshare.aspx?PRID=1579546	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
14	04/04/2024	3	Healing measures for the affected women and child society by NGO	CHALK AND TALK	https://www.un.org/womenwatch/daw/cesw/role_ngn_bcn	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029
15	15/04/2024	3	Healing measures for the affected women and child society by society	CHALK AND TALK	https://www.unwomen.org/en/news/stories/2020/11/campaign-against-violence-against-women	Women's Rights (2021), compiled by Kongunadu Arts & Science College, Coimbatore - 641 029


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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. NANDHINESWARI S.,
Year/Semester/Section : II/IV/Main
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 22UWR4N2 & NON MAJOR ELECTIVE PAPER 2 - WOMEN'S RIGHTS

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	07/12/2023	3	Basic concepts of women's studies in higher studies	BOARD		
2	15/12/2023	3	Socialization, status of women in sangam age	CHALK AND TALK		
3	26/12/2023	3	Women in vedic period	BOARD		
4	04/01/2024	3	Education after british	CHALK AND TALK		
5	12/01/2024	3	Contribution of social reformers	PPT		



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6	27/01/2024	3	womens studies, scope, conclusion	CHALK AND TALK	
Unit 2					
7	05/02/2024	3	History of family welfare programme, aim, concept, goals	CHALK AND TALK	
8	12/02/2024	3	Impact of family welfare activities	CHALK AND TALK	
9	20/02/2024	3	Role of community health nurse in family welfare services	CHALK AND TALK	
10	28/02/2024	3	Role of women in economic development, mass media, women empowerment	CHALK AND TALK	
11	07/03/2024	3	women empowerment	CHALK AND TALK	

S. Adarsh
Faculty Signature

Coordinator

Mudiyil
Head of the Department



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12	15/03/2024	3	Women land rights , women entrepreneurs,	CHALK AND TALK		
Unit 3						
13	25/03/2024	3	Women's rights - access to justice	CHALK AND TALK		
14	03/04/2024	3	Physical abuse, Verbal abuse	CHALK AND TALK		
15	12/04/2024	3	Economic abuse	CHALK AND TALK		

S. N. J. J.
Faculty Signature

Coordinator

M. S. S.
Head of the Department



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ACADEMIC YEAR : 2023-2024

Batch : 2021 Semester Number : 6 From Date : 04-12-2023 To Date : 16-04-2024

Programme : B.C.A. COMPUTER APPLICATIONS

Total number of working days : 90 days

S.No	Register Number	Name of the student	No of days Present	No of days Absent	% of Attendance Gained
1	211CA001	MOHAMMED UMAR A	60.5	29.5	67.22
2	211CA002	KARTHICK P	69.5	20.5	77.22
3	211CA003	VIGNESHKUMAR S	77	13	85.56
4	211CA004	CHANDRA SEKAR C	84.5	5.5	93.89
5	211CA005	ARVINDSUNDARAM S	85.5	4.5	95.00
6	211CA006	POOJA M	80.5	9.5	89.44
7	211CA007	SANJAY V V	76	14	84.44
8	211CA008	DEVINRAJ T	74.5	15.5	82.78
9	211CA009	LOGESH KUMAR J	69.5	20.5	77.22
10	211CA010	SHALNI K	77.5	12.5	86.11
11	211CA011	SABIN S	75	15	83.33
12	211CA012	ASHVARDANI D	88	2	97.78
13	211CA013	RATHEESH S	77	13	85.56
14	211CA014	SRI SARVAKEERTHANA R	84.5	5.5	93.89
15	211CA016	RAJESH E	71	19	78.89
16	211CA018	DEEPTHI V	76.5	13.5	85.00
17	211CA019	SARAVANAKUMAR A	69	21	76.67
18	211CA020	VARUN Y	63	27	70.00
19	211CA021	SIVA G	80	10	88.89
20	211CA022	MUTHAMIL SELVAN M	68.5	21.5	76.11
21	211CA023	DEVIPRIYA M	80.5	9.5	89.44
22	211CA026	RAJARAJESHWARI R	75	15	83.33
23	211CA027	NAVEEN A	74.5	15.5	82.78
24	211CA028	ROHAN MOHANDAS	62	28	68.89
25	211CA029	KEVIN D	70.5	19.5	78.33
26	211CA030	THOMNIC LITHVINA S	76.5	13.5	85.00
27	211CA031	YOKESHVARAN V	68	22	75.56
28	211CA032	TAMILMANI P	68	22	75.56
29	211CA033	ARJUN V	67.5	22.5	75.00
30	211CA034	MALAVIKA G	81	9	90.00
31	211CA035	NIRMALRAJ R	73.5	16.5	81.67
32	211CA036	MOHAMED FAZIL A	76.5	13.5	85.00

Faculty Incharge

HOD

Principal



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ACADEMIC YEAR : 2023-2024

Batch : 2021 Semester Number : 6 From Date : 04-12-2023 To Date : 16-04-2024

Programme : B.C.A. COMPUTER APPLICATIONS

Total number of working days : 90 days

S.No	Register Number	Name of the student	No of days Present	No of days Absent	% of Attendance Gained
33	211CA037	DEEKSHA M	80	10	88.89
34	211CA038	MANIKANDAN U	72.5	17.5	80.56
35	211CA039	JAYANTH J	68	22	75.56
36	211CA040	THOUFIC AHAMED M	70	20	77.78
37	211CA041	ROHAN EBENEZER M	62	28	68.89
38	211CA043	DHIBAGAR S	68.5	21.5	76.11
Overall Attendance %					81.93

Faculty Incharge

HOD

Principal



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ACADEMIC YEAR

2023-2024

Faculty Name

Mr. HALDURAIL ..

Year/Semester/Section

III/VI/All

Degree & Branch

COMPUTER APPLICATIONS

Subject Code & Name

21UCA613 & CORE PAPER 13 - WEB DESIGNING

LESSON PLAN

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	5	HTML:- Introduction	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
2	05/12/2023	1	Core Elements and Attribute	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
3	06/12/2023	2	Basic Text Formatting	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
4	07/12/2023	5	Presentational Elements	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
5	08/12/2023	1	The Subscripts and Superscript Elements	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
6	11/12/2023	1	The Big and Small Elements	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS

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7	12/12/2023	5	Heading and Marquee Tags	CHALK AND TALK	Beginning Web Programming With HTML, XHTML AND CSS
8	13/12/2023	1	Phrase Elements	CHALK AND TALK	Beginning Web Programming With HTML, XHTML AND CSS
9	14/12/2023	2	Lists- Editing Text	CHALK AND TALK	Beginning Web Programming With HTML, XHTML AND CSS
10	15/12/2023	5	Comments-Font Elements	CHALK AND TALK	Beginning Web Programming With HTML, XHTML AND CSS
11	18/12/2023	1	Basic Links-Creating Links with the Anchor Element	CHALK AND TALK	Beginning Web Programming With HTML, XHTML AND CSS
12	19/12/2023	1	Adding Images to Website	CHALK AND TALK	Beginning Web Programming With HTML, XHTML AND CSS
13	20/12/2023	5	Using Images as Links- Tables	CHALK AND TALK	Beginning Web Programming With HTML, XHTML AND CSS
14	21/12/2023	1	Forms	CHALK AND TALK	Beginning Web Programming With HTML, XHTML AND CSS
15	22/12/2023	2	HR tags	CHALK AND TALK	Beginning Web Programming With HTML, XHTML AND CSS
16	26/12/2023	5	Forms	CHALK AND TALK	Beginning Web Programming With HTML, XHTML AND CSS

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17	27/12/2023	1	Frameset tags	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
18	02/01/2024	1	Frameset tags	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
Unit 2						
19	03/01/2024	2	Cascading Style Sheets	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
20	04/01/2024	5	Introducing CSS	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
21	05/01/2024	1	CSS Rules, Properties	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
22	08/01/2024	1	Types of CSS	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
23	09/01/2024	5	Controlling Fonts	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
24	10/01/2024	1	Text Formatting	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
25	11/01/2024	2	Selectors: Type	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
26	12/01/2024	5	Selectors: Class, ID	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS



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27	22/01/2024	5	Attribute Selectors	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
28	23/01/2024	1	Lengths	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
29	24/01/2024	2	Percentages	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
30	27/01/2024	5	Introducing the Box Model	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
31	29/01/2024	1	Links	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
32	30/01/2024	1	Backgrounds-Positioning with CSS	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
33	31/01/2024	5	Page Layout	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
34	01/02/2024	1	The color Property , text-align Property	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
35	02/02/2024	2	The vertical-align, text-decoration Property	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS


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36	03/02/2024	1	The text-indent, text-shadow Property	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
Unit 3						
37	05/02/2024	5	Java script:-Introduction	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
38	06/02/2024	1	How to add a script to your pages	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
39	07/02/2024	1	The Document Object Model	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
40	08/02/2024	5	The Document Object Model	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
41	09/02/2024	1	Starting to Program with JavaScript	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
42	12/02/2024	5	Variables	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
43	13/02/2024	1	Arithmetic and Assignment Operators	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS



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44	14/02/2024	1	Comparison and Logical Operators	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
45	15/02/2024	5	Conditional Statements	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
46	16/02/2024	1	Looping	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
47	17/02/2024	5	Java Script Arrays	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
48	19/02/2024	2	Java Script Functions	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
49	20/02/2024	5	Events-Built-In Objects	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
50	21/02/2024	1	Form Validation	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
51	22/02/2024	1	Image Rollovers.	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
52	23/02/2024	5	Duration Of Identifiers	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
53	26/02/2024	1	Java Script Global Functions	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS

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54	27/02/2024	2	Multiple Subscribed Arrays	CHALK AND TALK		Beginning Web Programming With HTML, XHTML AND CSS
Unit 4						
55	28/02/2024	5	Bootstrap: What is Bootstrap?	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
56	29/02/2024	1	Bootstrap History	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
57	01/03/2024	1	Why to use Bootstrap?	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
58	02/03/2024	1	Where to get Bootstrap?	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
59	04/03/2024	5	Bootstrap Grid System	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
60	05/03/2024	1	Basic structure of a Bootstrap Grid	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
61	06/03/2024	2	Basic structure of a Bootstrap Grid	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
62	07/03/2024	5	Bootstrap Tables	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap

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63	08/03/2024	1	Bootstrap Tables	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
64	11/03/2024	1	Bootstrap Images	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
65	12/03/2024	5	Bootstrap Images	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
66	13/03/2024	1	Bootstrap Images	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
67	14/03/2024	2	Bootstrap Buttons	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
68	15/03/2024	5	Bootstrap Buttons	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
69	16/03/2024	1	Bootstrap Buttons Groups	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
70	18/03/2024	1	Programs using Bootstrap Tables	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
71	19/03/2024	1	Programs using Bootstrap Images	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
72	20/03/2024	5	Recap of Key points	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
Unit 5						


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73	21/03/2024	1	Bootstrap List Groups	CHALK AND TALK	A Beginner's Guide to Building Responsive Layouts with Bootstrap
74	22/03/2024	2	Bootstrap Form Layouts	CHALK AND TALK	A Beginner's Guide to Building Responsive Layouts with Bootstrap
75	23/03/2024	2	Bootstrap Form Layouts	CHALK AND TALK	A Beginner's Guide to Building Responsive Layouts with Bootstrap
76	25/03/2024	5	Form inputs	CHALK AND TALK	A Beginner's Guide to Building Responsive Layouts with Bootstrap
77	26/03/2024	1	Input sizing	CHALK AND TALK	A Beginner's Guide to Building Responsive Layouts with Bootstrap
78	27/03/2024	1	Bootstrap dropdowns	CHALK AND TALK	A Beginner's Guide to Building Responsive Layouts with Bootstrap
79	28/03/2024	5	Bootstrap collapse	CHALK AND TALK	A Beginner's Guide to Building Responsive Layouts with Bootstrap
80	01/04/2024	1	Bootstrap Panels	CHALK AND TALK	A Beginner's Guide to Building Responsive Layouts with Bootstrap
81	02/04/2024	2	Tooltip	CHALK AND TALK	A Beginner's Guide to Building Responsive Layouts with Bootstrap
82	03/04/2024	5	Tabs and Pills	CHALK AND TALK	A Beginner's Guide to Building Responsive Layouts with Bootstrap
83	04/04/2024	1	Scrollspy	CHALK AND TALK	A Beginner's Guide to Building Responsive Layouts with Bootstrap



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84	05/04/2024	1	Bootstrap carousel plug-in	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
85	06/04/2024	5	Bootstrap dropdowns	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
86	08/04/2024	1	Bootstrap collapse	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
87	10/04/2024	2	Bootstrap Panels	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
88	12/04/2024	5	Key Point Discussions	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
89	15/04/2024	1	Doubt Clarifications	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap
90	16/04/2024	1	Summary of all concepts	CHALK AND TALK		A Beginner's Guide to Building Responsive Layouts with Bootstrap


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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. HEMA LATHA.D.,
Year/Semester/Section : III/VI/All
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 21UCA614 & CORE PAPER 14 – INFORMATION SECURITY

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 4						
1	04/12/2023	4	Security in Networks	CHALK AND TALK		Security in Computing: Chapter-7, Pages:401-402
2	08/12/2023	2	Network Concepts	CHALK AND TALK		Security in Computing: Chapter-7, Pages:402-403
3	12/12/2023	4	The network	CHALK AND TALK		Security in Computing: Chapter-7, Pages:403-404
4	18/12/2023	2	Media	CHALK AND TALK		Security in Computing: Chapter-7, Pages:405-410
5	20/12/2023	4	protocols	CHALK AND TALK		Security in Computing: Chapter-7, Pages:410-418
6	27/12/2023	2	types of networks	CHALK AND TALK		Security in Computing: Chapter-7, Pages:419-419
7	05/01/2024	2	threats in networks	CHALK AND TALK		Security in Computing: Chapter-7, Pages:421-422



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8	09/01/2024	4	What makes a network vulnerable	CHALK AND TALK	Security in Computing: Chapter-7 , Pages:422-423
9	22/01/2024	4	who attacks networks?	CHALK AND TALK	Security in Computing: Chapter-7 , Pages:425-428
10	29/01/2024	2	Reconnaissance, Ping, Threats in Transit	CHALK AND TALK	Security in Computing: Chapter-7 , Pages:429-444
11	31/01/2024	4	Tools, software based sniffing, Microwave	CHALK AND TALK	Security in Computing: Chapter-7 , Pages:444-447
12	06/02/2024	2	Firewalls	CHALK AND TALK	Security in Computing: Chapter-7 , Pages:514-524
13	08/02/2024	4	Intrusion Detection Systems	CHALK AND TALK	Security in Computing: Chapter-7 , Pages:527-533
Unit 5					
14	13/02/2024	2	Legal and Ethical issues in Computer Security	CHALK AND TALK	Security in Computing: Chapter-11 , Pages:691-692
15	15/02/2024	4	Protecting Programs and Data	CHALK AND TALK	Security in Computing: Chapter-11 , Pages:693-703

D. J. J. J.
Faculty Signature

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Coordinator

M. J. J. J.
Head of the Department



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16	17/02/2024	4	Information and the law	CHALK AND TALK		Security in Computing: Chapter-11, Pages:707-713
17	21/02/2024	2	Computer Crime	CHALK AND TALK		Security in Computing: Chapter-11, Pages:723-727
18	23/02/2024	4	Computer Crime	CHALK AND TALK		Security in Computing: Chapter-11, Pages:732-738
19	29/02/2024	2	Ethical issues in Computer Security	CHALK AND TALK		Security in Computing: Chapter-11, Pages:739-742
20	02/03/2024	2	Ethical issues in computer Security	CHALK AND TALK		Security in Computing: Chapter-11, Pages:742-742
21	04/03/2024	4	Case studies	CHALK AND TALK		Security in Computing: Chapter-11, Pages:744-746
22	08/03/2024	2	Case studies	CHALK AND TALK		Security in Computing: Chapter-11, Pages:748-750
23	12/03/2024	4	Case studies	CHALK AND TALK		Security in Computing: Chapter-11, Pages:751-753
24	18/03/2024	2	Case studies	CHALK AND TALK		Security in Computing: Chapter-11, Pages:756-759
25	20/03/2024	4	Revision	CHALK AND TALK		Security in Computing: Chapter-11
26	26/03/2024	2	Revision	CHALK AND TALK		Security in Computing: Chapter-11



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27	28/03/2024	4	Revision	CHALK AND TALK		Security in Computing: Chapter-11
28	04/04/2024	2	Revision	CHALK AND TALK		Security in Computing: Chapter-11
29	06/04/2024	4	Revision	CHALK AND TALK		Security in Computing: Chapter-11
30	15/04/2024	2	Revision	CHALK AND TALK		Security in Computing: Chapter-11

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. INDUMATHI PANDURANGAN.,
Year/Semester/Section : III/V/All
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 21UCA614 & CORE PAPER 14 – INFORMATION SECURITY

S.No	Date	Topic	Delivery Methods	Links	Book Refered
Unit 1					
1	06/12/2023	Is there Security Problem in Computing?	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
2	06/12/2023	What does Security mean?	CE/ALK AND TALK	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
3	07/12/2023	Attacks	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
4	11/12/2023	Attacks types	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
5	13/12/2023	The Meaning of Computer Security	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
6	14/12/2023	The Meaning of Computer Security	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
7	15/12/2023	The Meaning of Computer Security	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
8	19/12/2023	Computer criminals	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
9	21/12/2023	computer criminals	CE/ALK AND TALK	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
10	22/12/2023	Computer Criminals	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
11	26/12/2023	Protection in general purpose operating systems	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
12	02/01/2024	Protection in general purpose operating systems	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
13	03/01/2024	Protection in general purpose operating systems	CE/ALK AND TALK	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
14	04/01/2024	File Protection Mechanisms	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
15	08/01/2024	File protection mechanisms	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
16	10/01/2024	file protection mechanisms	CE/ALK AND TALK	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
17	11/01/2024	User Authentication	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.
18	12/01/2024	User Authentication	PPT	https://www.geckk.org/geckk.org/what-is-information-security/	Charles P. Pilegger, Shari Lawrence Pilegger, Deven N. Shum, (2007), Security in Computing, Fourth Edition, Prentice Hall Publications.

Unit 2



19	23/01/2024	Program Security:	PPT		https://www.vssut.ac.in/faculty_profiles/secure/secure%20(1).pdf	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
20	24/01/2024	Non malicious Program Errors	PPT		https://www.infomilit.com/articles/article.aspx?ps=1782&seqNum=2	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
21	27/01/2024	Non malicious Program Errors	PPT		https://www.studocu.com/en-gb/document/university-of-greenwich/introduction-to-information-security/information-security-non-malicious-program-errors/29853481	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
22	30/01/2024	Viruses and other Malicious Code	PPT		https://www.infomilit.com/articles/article.aspx?ps=1782&seqNum=3	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
23	01/02/2024	Viruses and other Malicious Code:	PPT		https://www.andcollege.ie/inwp-content/uploads/2020/04/CE-4.pdf	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
24	02/02/2024	Kinds of Malicious Code	PPT		https://www.cnn.com/2016/05/10/tech/cybersecurity/index.html	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
25	03/02/2024	Kinds of Malicious Code	PPT		https://www.geeksforgeeks.org/malware-and-the-types/	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
26	05/02/2024	How Viruses Attach,	PPT		https://uniscare.it.com/blog/how-computer-virus-attacks	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
27	07/02/2024	Home for Viruses	PPT		https://www.brainrunt.com/article/Home-for-Viruses_9571/	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
28	09/02/2024	The Source of Viruses.	PPT		https://www.firedart.com/news/articles/beyond-symptoms-in-computer-virus	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
29	12/02/2024	Prevention of Virus Infection,	PPT		https://www.sns.com/security-resources/computer-virus-prevention	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
30	14/02/2024	Truths and Misconceptions About Viruses.	CHALK AND TALK		https://www.besounhelpdesk.com/the-real-truth-about-computer-viruses/#:~:text=There's%20Facts%20and%20Myths%20about%20Virus%20infections%20and%20Security%20Issues	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
31	16/02/2024	Truths and Misconceptions About Viruses.	PPT		https://www.enstep.com/blog/security-computers-viruses-5-common-myths/	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
32	19/02/2024	Targeted Malicious Code:	PPT		https://www.lawtvalider.com/dictionary/targeted-malicious-code#:~:text=(Sample%20-%20Targeted%20Malicious%20Code%20on%20an%20advertisers%20indirectly%20being%20compromising%20the%20hard%20Network%20Data%20Collection%20Process)	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
33	20/02/2024	Trapdoors	PPT		https://www.shibsha.com/writing-services/articles/safari-attack-how-to-protect-yourself	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
34	22/02/2024	Salami Attacks	PPT		https://www.dailymail.co.uk/science-technology/article-3611782/does-num-5	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
35	24/02/2024	Controls against Program Threats:	PPT		https://www.brainrunt.com/article/Control-Against-Program-Threats_5590/	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
36	27/02/2024	Developmental controls	PPT		https://team.microsoft.com/en-us/analysis-services/data-mining/security-overview-data-mining/vi-e-w-asallproducts-allversions	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
37	28/02/2024	Data Mining Security	CHALK AND TALK			
Unit 3						
38	01/03/2024	Database and Data Mining Security	CHALK AND TALK		https://www.geeksforgeeks.org/privacy-security-and-social-impacts-of-data-mining/	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
39	05/03/2024	Data Mining Security	PPT		https://www.jayapathak.com/database-security	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
40	06/03/2024	Introduction to Databases	PPT		https://www.digitaldefence.com/community/research/articles/data-introductions-to-databases	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
41	07/03/2024	Introduction to Databases	PPT		https://www.coursera.org/learn/introductions-to-databases	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
42	11/03/2024	Security Requirements	PPT		https://www.ibm.com/topics/database-security	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
43	13/03/2024	Security Requirements	PPT		https://www.jayapathak.com/database-security	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
44	14/03/2024	Reliability	PPT		https://www.bmc.com/blog/database-reliability/#:~:text=(Data+Database%20reliability%20is%20defined%20as%20accuracy%20and%20consistency%20of%20data)	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.
45	15/03/2024	Reliability	PPT		https://towardsdatascience.com/a-beginners-guide-to-data-reliability-engineering-86c09b9ca6	Charles P Pfleger, Shari Lawrence Pfleger, Devan N Shan, (2007), Security in Computing, Fourth Edition, Prentice Hall Publication.

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46	16/03/2024	4	Integrity	PPT	Data%20Integrity%20in%20Security%20Concepts%20Data%20Integrity%20in%20Database">https://www.conflic.com/resources/zhengbeny/data-integrity/#-state>Data%20Integrity%20in%20Security%20Concepts%20Data%20Integrity%20in%20Database	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
47	19/03/2024	4	Integrity	PPT	https://www.cfta.com/wd/zhengbeny/data-integrity	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
48	21/03/2024	3	Database Integrity	PPT	https://online.3he.edu/blog/post/wbi-to-secure-integrity	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
49	22/03/2024	4	Multilevel Databases	PPT	https://webnews.com/2020/05/21/multilevel-databases/	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
50	24/03/2024	4	Multilevel Databases	PPT	https://www.dream.cookiecutter.net/3-for-secure-2-topic-cdb2-multilevel-security	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
51	25/03/2024	4	Multilevel Databases	PPT	https://itlink.springer.com/chapter/10.1007/978-1-4612-2870-7_18	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
52	27/03/2024	4	Protection Features from the Operating System	PPT	https://oscomp.nyu.edu/wbi/wbi-to-secure/Data%20Integrity%20in%20Security%20Concepts%20Data%20Integrity%20in%20Database%20Prediction	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
53	01/04/2024	3	Protection Features from the Operating System	PPT	https://www.secfairplay.com/secure/Data%20Integrity%20in%20Security%20Concepts%20Data%20Integrity	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
54	02/04/2024	4	Two-Phase Update	PPT	https://www.javapoint.com/data-mining	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
55	03/04/2024	4	Recovery	PPT	https://itlink.springer.com/chapter/10.1007/978-1-4612-2870-7_18	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
56	05/04/2024	4	Redundancy/Internal Consistency	PPT	https://itlink.springer.com/chapter/10.1007/978-1-4612-2870-7_18	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
57	08/04/2024	3	Concurrency/Consistency	PPT	https://itlink.springer.com/chapter/10.1007/978-1-4612-2870-7_18	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
58	10/04/2024	4	Data Mining	PPT	https://www.javapoint.com/data-mining	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
59	12/04/2024	4	Data Mining	PPT	https://www.javapoint.com/data-mining	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication
60	14/04/2024	4	Data Mining	PPT	https://www.javapoint.com/data-mining	Charles P. Pfleger, Shari Lawrence Pfleger, Deven N. Shun, (2007). Security in Computing. Fourth Edition, Prentice Hall Publication



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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mr. HALDURAIL.,
Year/Semester/Section : III/VI/All
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 21UCA6CQ & CORE PRACTICAL 6 - WEB DESIGNING LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	3	HTML - Introduction	LAB		
2	05/12/2023	3	Structure of HTML	DEMO		
3	06/12/2023	5	Paragraph Tag	DEMO		
4	07/12/2023	2	Line break and Preformatted tags	LAB, DEMO		
5	11/12/2023	3	Bold, Italic, Underline Tags	DEMO		
6	11/12/2023	5	Big and Small Tags	DEMO		

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7	12/12/2023	3	Horizontal rule, Emphasis and Strong Tags	LAB		
8	13/12/2023	3	Phrase Elements	DEMO		
9	14/12/2023	5	Phrase Elements	DEMO		
10	15/12/2023	2	Ordered List	DEMO		
11	19/12/2023	3	Unordered List	DEMO		
12	19/12/2023	5	Nested List	DEMO		
13	20/12/2023	3	Text editing and Comments	LAB		
14	21/12/2023	3	Creating Links	LAB,DEMO		
15	22/12/2023	5	Creating Links	LAB,DEMO		
16	26/12/2023	2	Adding Images, Tables	LAB,DEMO		
17	02/01/2024	3	Forms	LAB,DEMO		
18	03/01/2024	5	Frameset Tags	LAB,DEMO		


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Unit 2

19	04/01/2024	2	Introducing CSS	LAB		
20	08/01/2024	3	CSS Rules	LAB, DEMO		
21	08/01/2024	5	CSS Properties	LAB, DEMO		
22	09/01/2024	3	Font Family, Size, Weight Properties	LAB, DEMO		
23	10/01/2024	3	Font Style, Variant, Stretch, Property	LAB, DEMO		
24	11/01/2024	5	Text Formatting	LAB, DEMO		
25	12/01/2024	2	Text Formatting	LAB, DEMO		
26	22/01/2024	3	Designing Web page for Department	LAB, DEMO		
27	23/01/2024	3	Program Practice	LAB		
28	24/01/2024	5	Selectors	LAB		



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29	27/01/2024	2	Length: Absolute, Relative	LAB, DEMO		
30	30/01/2024	3	Box Model	LAB, DEMO		
31	30/01/2024	5	Links	LAB		
32	31/01/2024	3	Background Properties	LAB, DEMO		
33	01/02/2024	3	Background Properties	LAB		
34	02/02/2024	5	Positioning Properties	LAB, DEMO		
35	03/02/2024	3	Positioning Properties	LAB		
36	03/02/2024	5	Program Practice	LAB		
Unit 3						
37	05/02/2024	2	Program Practice	LAB		
38	07/02/2024	3	Java script : Introduction	LAB, DEMO		
39	07/02/2024	5	Web page to display Biodata Using CSS	LAB, DEMO		


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40	08/02/2024	3	Program Practice	LAB		
41	09/02/2024	3	DOM Model	LAB,DEMO		
42	12/02/2024	2	DOM Model	LAB		
43	14/02/2024	3	Variables	LAB		
44	14/02/2024	5	Operators	LAB,DEMO		
45	15/02/2024	3	Program Practice	LAB		
46	16/02/2024	3	Functions	LAB,DEMO		
47	17/02/2024	3	Functions	LAB		
48	19/02/2024	5	Conditional Statements	LAB,DEMO		
49	20/02/2024	2	Looping	LAB,DEMO		
50	22/02/2024	3	Events	LAB		
51	22/02/2024	5	Form Validation	LAB		
52	23/02/2024	3	Image Rollovers	LAB		



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53	26/02/2024	3	Program Practice	LAB		
54	27/02/2024	5	Student Mark sheet Program	LAB, DEMO		
Unit 4						
55	28/02/2024	2	Program Practice	LAB		
56	01/03/2024	3	Web page For Advertising	LAB, DEMO		
57	01/03/2024	5	Program Practice	LAB		
58	04/03/2024	3	Web page for Library system	LAB, DEMO		
59	05/03/2024	3	Payroll Processing	LAB, DEMO		
60	06/03/2024	5	Program Practice	LAB		
61	07/03/2024	2	Bootstrap Introduction	LAB		
62	11/03/2024	3	Bootstrap Grid	LAB		
63	11/03/2024	5	Bootstrap Structures	LAB		



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64	12/03/2024	3	Program Practice	LAB		
65	13/03/2024	3	Bootstrap Grid	LAB		
66	14/03/2024	5	Bootstrap tables	LAB, DEMO		
67	15/03/2024	2	Bootstrap tables	LAB		
68	16/03/2024	3	Doubt clarification	LAB		
69	16/03/2024	5	Table creation program using Bootstrap	LAB, DEMO		
70	19/03/2024	3	Program Practice	LAB		
71	19/03/2024	5	Bootstrap Images	LAB		
72	20/03/2024	3	Bootstrap Buttons	LAB		
Unit 5						
73	21/03/2024	3	Bootstrap List	LAB, DEMO		
74	22/03/2024	5	Form Layouts	LAB		



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75	23/03/2024	5	Form Layouts	LAB			
76	25/03/2024	2	Form Inputs	LAB			
77	27/03/2024	3	Input Sizing	LAB			
78	27/03/2024	5	Drop downs	LAB			
79	28/03/2024	3	Drop downs	LAB			
80	01/04/2024	3	Collapse, Panels	LAB			
81	02/04/2024	5	Doubt Clarification	LAB			
82	03/04/2024	2	Tooltips, Tabs	LAB			
83	05/04/2024	3	scrollspy	LAB			
84	05/04/2024	5	Program Practice	LAB			
85	06/04/2024	3	Program Practice	LAB			
86	08/04/2024	3	Program Practice	LAB			
87	10/04/2024	5	Revision	LAB			


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88	12/04/2024	2	Revision	LAB		
89	16/04/2024	3	Revision	LAB		
90	16/04/2024	5	Revision	LAB		

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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. SUMANGALA K.,
Year/Semester/Section : III/VI/All
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 21UCAGE2 & MAJOR ELECTIVE PAPER 2 - BIG DATA AND ANALYTICS

S.No	Date	Hours	Topics(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	04/12/2023	1	Introduction to Big Data	CHALK AND TALK	https://dl.acm.org/pdf/files/3/053e447660b0c2f405c42e1f81a408.pdf	Big Data Fundamentals Concepts, Drivers & Techniques: Chapter-1
2	07/12/2023	1	understanding of Big Data	CHALK AND TALK		Big Data Fundamentals Concepts, Drivers & Techniques Thomas EtI. Wajid Khattak, and Paul Butler: Chapter-2
3	08/12/2023	3	Big Data Characteristics	CHALK AND TALK		
4	11/12/2023	2	Different types of Data	PPT		
5	12/12/2023	1	Types of Data	PDF BOARD		
6	15/12/2023	1	Business Motivation and Drivers for Big Data Adoption	CHALK AND TALK		
7	18/12/2023	3	Market Dynamics	BOARD		
8	19/12/2023	2	Business Architecture	PPT		
9	20/12/2023	1	Business Process Management	PPT		
10	26/12/2023	1	Business Process Management	CHALK AND TALK		
11	27/12/2023	3	Information and Communication Technology	CHALK AND TALK		
12	04/01/2024	1	ICT	PDF CHALK AND TALK		
13	05/01/2024	3	ICT	FLIPPED CLASS		
14	08/01/2024	2	Internet of Things	PPT		



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15	09/01/2024	1	Internet of Everything	CHALK AND TALK	
16	12/01/2024	1	IoT	BOARD	
17	22/01/2024	1	Big Data case studies	FLIPPED CLASS	
Unit 2					
18	27/01/2024	1	Big Data Adoption and Planning Consideration - Introduction	CHALK AND TALK	
19	29/01/2024	3	Organisation Prerequisites	CHALK AND TALK	
20	30/01/2024	2	Data Procurement - Privacy	CHALK AND TALK	
21	31/01/2024	1	Privacy and Security	CHALK AND TALK	
22	03/02/2024	2	Provenance - Limited Real Time Support	CHALK AND TALK	
23	05/02/2024	1	Limited Real Time Support	CHALK AND TALK	
24	06/02/2024	3	Distinct Performance Challenges - Governance Requirements	CHALK AND TALK	
25	07/02/2024	2	Distinct Governance Requirements	CHALK AND TALK	
26	08/02/2024	1	Distinct methodology and Cloud intro	CHALK AND TALK	
27	12/02/2024	1	Clouds and BDA Life Cycle	CHALK AND TALK	
28	13/02/2024	3	BDA Life Cycle	PPT	
29	14/02/2024	2	Enterprise and Big Data Business Intelligence	CHALK AND TALK	
30	15/02/2024	1	Online Transaction Processing	PPT	
31	17/02/2024	1	Online Analytical Processing	CHALK AND TALK	
32	20/02/2024	1	Extract Transform Load	CHALK AND TALK	
33	21/02/2024	3	Data Warehouse and Data Mart	CHALK AND TALK	
34	22/02/2024	2	Traditional B?I - Ad-hoc reports	CHALK AND TALK	

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35	23/02/2024	1	Dashboards & Bigdata BI	PPT		
36	28/02/2024	1	Big Data Visualization - Traditional	CHALK AND TALK		
37	29/02/2024	3	Data Visualization for Big Data	CHALK AND TALK		
38	01/03/2024	2	Case studies in unit 2	PDF		
39	02/03/2024	3	data visualization	VIDEOS		
Unit 3						
40	04/03/2024	1	storing and analyzing Big Data	CHALK AND TALK		
41	07/03/2024	1	Big Data Storage Concepts	CHALK AND TALK		
42	08/03/2024	3	File Systems and Distributed File Systems	CHALK AND TALK		
43	11/03/2024	2	Clusters	CHALK AND TALK		
44	12/03/2024	1	Distributed file systems	CHALK AND TALK		
45	15/03/2024	1	NoSQL	CHALK AND TALK		
46	16/03/2024	2	Sharding	CHALK AND TALK		
47	18/03/2024	3	Master - Slave. Replication	CHALK AND TALK		
48	19/03/2024	2	Peer-to-Peer and Sharding	CHALK AND TALK		
49	20/03/2024	1	combining Sharding and Master Slave replication	CHALK AND TALK		
50	25/03/2024	1	sharding an replication	CHALK AND TALK		
51	26/03/2024	3	CAP theorem, ACID an BASE	PDR.PPT		
52	27/03/2024	2	Big Data Processing Concepts - Parallel Processing	PPT		
53	28/03/2024	1	Distributed Data Processing	PPT		
54	03/04/2024	1	Hadoop	CHALK AND TALK		



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55	04/04/2024	3	Processing Workloads		CHALK AND TALK	
56	05/04/2024	2	Transactional Cluster		CHALK AND TALK	
57	06/04/2024	1	File systems examples		VIDEOS	
58	12/04/2024	1	Batch and transactional system		CHALK AND TALK	
Unit 4						
59	15/04/2024	3	Big Data Analysis techniques		CHALK AND TALK	
Unit 5						
60	16/04/2024	2	BDA Analysis Techniques		CHALK AND TALK	https://aitskadapa.ac.in/e-books/AI&DS/BIG%20DATA/Data%20Science%20-%20Big%20Data%20Analytics%20(%20PDFdrive%20).pdf


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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Mrs. NANDHINESWARI S.,
Year/Semester/Section : III/VI/All
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 21UCA6E2 & MAJOR ELECTIVE PAPER 2 - BIG DATA AND ANALYTICS

S.No	Date	Hours	Topics(s)	Delivery Methods	Links	Book Refered
Unit 4						
1	04/12/2023	2	Processing in Batch mode	CHALK AND TALK	https://aws.amazon.com/dms/batch-processing/#:~:text=Batch%20processing%20is%20the%20method%20for%20running%20large%20transactions	
2	06/12/2023	1	Batch processing with map reduce	CHALK AND TALK	https://datawarehouse.com/batch-processing-map-reduce/	
3	12/12/2023	2	Map reduce tasks	CHALK AND TALK	https://www.lutorialspoint.com/map_reduce/introduction.html#:~:text=The%20Map%20task%20takes%20a%20smaller%20set%20of%20inputs	
4	14/12/2023	1	Map combine partition	CHALK AND TALK	https://www.splixworks.com/tech/hlg-solutions/what-is-map-reduce/	
5	20/12/2023	2	Shuffle and sort	CHALK AND TALK	https://www.edureka.co/community/130640/what-purpose-shuffling-sorting-phase-the-reducer-map-reducer-:~:text=Shuffle%20is%20the%20transfer%20of%20data%20from%20mappers%20to%20reducers	
6	22/12/2023	1	Processing in real time mode	CHALK AND TALK	https://www.hpe.com/en/what-is/real-time-processing.html#:~:text=Real%20time%20processing%20is%20a%20data%20management%20technique	
7	03/01/2024	1	Speed consistency volume	CHALK AND TALK	https://rajmanishi.pl/uvorals/compute-science/hlg-data/processing-concepts-for-hlg-data/	
8	09/01/2024	2	Stream processing and complex event processing	CHALK AND TALK	https://rajmanishi.pl/uvorals/compute-science/hlg-data/processing-concepts-for-hlg-data/	
9	11/01/2024	1	Real time big data processing and SCV	CHALK AND TALK	https://rajmanishi.pl/uvorals/compute-science/hlg-data/processing-concepts-for-hlg-data/	
10	22/01/2024	2	Real time big data processing and map reduce	CHALK AND TALK	https://rajmanishi.pl/uvorals/compute-science/hlg-data/processing-concepts-for-hlg-data/	
11	24/01/2024	1	Big data storage technology	CHALK AND TALK	https://rajmanishi.pl/uvorals/compute-science/hlg-data/processing-concepts-for-hlg-data/	
12	31/01/2024	2	On-disk storage devices	CHALK AND TALK	https://rajmanishi.pl/uvorals/compute-science/hlg-data/processing-concepts-for-hlg-data/	
13	02/02/2024	1	Distributed file systems	CHALK AND TALK	https://www.simplilearn.com/big-data-storage-article	
14	08/02/2024	2	RDBMS Databases	CHALK AND TALK		
15	15/02/2024	2	No SQL databases	CHALK AND TALK		
16	17/02/2024	2	Characteristics, Rational types	CHALK AND TALK		
17	19/02/2024	1	Key value, document, column, family, graph, new sql databases	CHALK AND TALK		

S. Nandhini
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Unit 5						
18	23/02/2024	2	In- Memory storage devices		CHALK AND TALK	https://www.tel.com/museum/education/principle/memory.html#:~:text=Data%20storage%20device&text=There%20are%20main%20two%20ways,comparable%20to%20dictionaries%20and%20textbooks
19	27/02/2024	1	In memory grids - Read through, write behind, refresh ahead		CHALK AND TALK	https://www.tel.com/museum/education/principle/memory.html#:~:text=There%20are%20main%20two%20ways,comparable%20to%20dictionaries%20and%20textbooks
20	04/03/2024	2	In memory database		CHALK AND TALK	https://aws.amazon.com/hasql/in-memory/#:~:text=An%20in%20memory%20database%20is,standard%20disk%20drives%20SSDs
21	06/03/2024	1	Quantitative analysis and qualitative analysis		CHALK AND TALK	https://www.codingninjas.com/codestudio/library/techniques-for-big-data-analysis
22	12/03/2024	2	Data mining, statistical analysis, machine learning, correlation, regression		CHALK AND TALK	
23	14/03/2024	1	Classification		CHALK AND TALK	
24	30/03/2024	2	Clustering		CHALK AND TALK	
25	22/03/2024	1	Outlier detection		CHALK AND TALK	https://www.linkedin.com/pulse/cadler-detection-data-science-techniques-secasaw-jus-sources-m-se#:~:text=There%20are%20heuristics%20techniques%20for%20outliers%20considered%20outliers
26	23/03/2024	1	Filtering, semantic analysis, NLP		CHALK AND TALK	
27	26/03/2024	2	Text analytics, semantic analytics,		CHALK AND TALK	
28	02/04/2024	1	Visual analysis, Heat maps, Time series plots		CHALK AND TALK	
29	06/04/2024	2	Network graphs - Spatial data mapping		CHALK AND TALK	https://link.springer.com/10.1007/978-0-387-39940-9_358
30	10/04/2024	1	Machine learning techniques		CHALK AND TALK	

S. Naik
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LESSON PLAN

ACADEMIC YEAR : 2023-2024
Faculty Name : Dr. G DONA RASHMI,
Year/Semester/Section : III/VI/All
Degree & Branch : COMPUTER APPLICATIONS
Subject Code & Name : 21UCA6SL & SKILL BASED SUBJECT 3 - LINUX PROGRAMMING LAB

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	06/12/2023	3	Basic Linux Commands	LAB	https://www.geeksforgeeks.org/basic-linux-commands/	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
2	07/12/2023	3	Write a shell program to display your address	LAB	https://www.cousehero.com/file/49592564/linuxdocx/	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
3	14/12/2023	3	To perform arithmetic operations using shell arithmetic.	LAB	https://www.tutorialspoint.com/unix/unix-arithmetic-operators.htm	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
4	15/12/2023	3	To perform arithmetic operations using shell arithmetic	LAB	https://dvgclassroom.com/unix/shell-programming-arithmetic-operators	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
5	22/12/2023	3	Print the different patterns using looping operations	LAB	https://www.geeksforgeeks.org/programs-printing-pyramid-pattern-bash/	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
6	26/12/2023	3	Basic conditional statements	LAB	https://veewom.com/linux-programming/conditional-statement.htm	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
Unit 2						
7	03/01/2024	3	Basic looping statements programs	LAB	https://www.geeksforgeeks.org/looping-statements-shell-script/	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition

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8	04/01/2024	3	Print the different patterns using looping operations	LAB	https://www.geeksforgeeks.org/programs-printing-pyramid-pattern-bash/	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
9	11/01/2024	3	Print the different patterns using looping operations	LAB	https://www.geeksforgeeks.org/programs-printing-pyramid-pattern-bash/	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
10	12/01/2024	3	Print the different patterns using looping operations	LAB	https://www.educative.io/answers/printing-patterns-with-numbers-using-nested-for-loops	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
11	24/01/2024	3	To perform simple inventory control operation using read statement	LAB	https://www.baeldung.com/linux/read-command	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
12	27/01/2024	3	To perform simple inventory control operation using read statement	LAB	https://www.educba.com/linux-read/	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
Unit 3						
13	02/02/2024	3	To prepare the student mark statement using necessary controls.	LAB	https://www.unix.com/home-work-and-course-work-questions/277399-grades-exercise.html	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
14	05/02/2024	3	To prepare the student mark statement using necessary controls.	LAB	https://www.unix.com/home-work-and-course-work-questions/277399-grades-exercise.html	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
15	12/02/2024	3	To prepare the student mark statement using necessary controls	LAB	https://www.kernel.org/doc/html/v4.10/process/coding-style.html	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
16	19/02/2024	3	Sort the given numbers in ascending orders	LAB	https://stackoverflow.com/questions/27112190/shell-bash-script-to-print-numbers-in-ascending-order	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
17	20/02/2024	3	Sort the given numbers in descending order	LAB	http://technicalworldforyou.blogspot.com/2012/06/shell-script-to-sort-number-in.html	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
18	27/02/2024	3	Sort the given numbers in descending order	LAB	http://technicalworldforyou.blogspot.com/2012/06/shell-script-to-sort-number-in.html	"A Practical Guide to Linux Commands, Editors and Shell Programming" Mark G. Sobell, 2nd Edition
Unit 4						



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19	28/02/2024	3	Write a shell program to perform user defined function concept	LAB	https://www.geeksforgeeks.org/shell-scripting-functions-and-its-types/	A Practical Guide to Linux Commands, Editors and Shell Programming "Mark G. Sobell, 2nd Edition
20	06/03/2024	3	Write a shell program to perform user defined function concept	LAB	https://www.educba.com/function-in-shell-scripting/	A Practical Guide to Linux Commands, Editors and Shell Programming "Mark G. Sobell, 2nd Edition
21	07/03/2024	3	Write a shell program to perform user defined function concept	LAB	https://www.educba.com/function-in-shell-scripting/	A Practical Guide to Linux Commands, Editors and Shell Programming "Mark G. Sobell, 2nd Edition
22	14/03/2024	3	Write a shell program using dialog utility concept	LAB	http://www.freecodecamp.org/learn/2016/07/linux-scripting-drawing-dialog-boxes-in.html	A Practical Guide to Linux Commands, Editors and Shell Programming "Mark G. Sobell, 2nd Edition
23	15/03/2024	3	Write a shell program using dialog utility concept	LAB	https://www.geeksforgeeks.org/creating-dialog-boxes-with-the-dialog-tool-in-linux/	A Practical Guide to Linux Commands, Editors and Shell Programming "Mark G. Sobell, 2nd Edition
24	22/03/2024	3	Write a shell program using dialog utility concept	LAB	http://ermentarian.blogspot.com/2016/07/linux-scripting-drawing-dialog-boxes-in.html	A Practical Guide to Linux Commands, Editors and Shell Programming "Mark G. Sobell, 2nd Edition

Unit 5

25	23/03/2024	3	Write a shell program to perform file operation.	LAB	https://www.geeksforgeeks.org/shell-script-to-perform-operations-on-a-file/	A Practical Guide to Linux Commands, Editors and Shell Programming "Mark G. Sobell, 2nd Edition
26	25/03/2024	3	Write a program to perform file operation.	LAB	https://www.tutorialspoint.com/unix/unix-file-operators.htm	A Practical Guide to Linux Commands, Editors and Shell Programming "Mark G. Sobell, 2nd Edition
27	02/04/2024	3	Write a program to perform file operation.	LAB	https://www.tutorialspoint.com/unix/unix-file-operators.htm	A Practical Guide to Linux Commands, Editors and Shell Programming "Mark G. Sobell, 2nd Edition
28	03/04/2024	3	Write a shell script to print 'Hello Linux' message in Bold, Blink and different colors.	LAB	https://www.squash.io/adding-color-to-bash-scripts-in-linux/#google_vignette	A Practical Guide to Linux Commands, Editors and Shell Programming "Mark G. Sobell, 2nd Edition
29	10/04/2024	3	Write a shell script to print 'Hello Linux' message in Bold, Blink and different colors.	LAB	https://www.squash.io/adding-color-to-bash-scripts-in-linux/	A Practical Guide to Linux Commands, Editors and Shell Programming "Mark G. Sobell, 2nd Edition



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30	12/04/2024	3	Write a shell script to print 'Hello Linux' message in Bold, Blink and different colors.	LAB	https://www.squash.io/add:ng-color-to-bash-scripts-in-linux/#google_vignette	A Practical Guide to Linux Commands, Editors and Shell Programming Mark G. Sobell, 2nd Edition
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