SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name: Kanika Khanna Subject: .net programming

Class/ Semester BCA Commencement Date: 21-3-22 Semester 6 sem End Date Session:- 2021-22

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Intoduction to syllabus	21-03-22		
2.	Framework of .Net	22-03-22		
3.	Do same	24-03-22		
4.	Do same	25-03-22		
5.	Do same	26-03-22		
6.	Building blocks of .Net Platform (the CLR, CTS and CLS)	28-03-22		
7.	Do same	29-03-22		
8.	Do same	30-03-22		
9.	Do same	31-03-22		
10.	Features of .Net	01-04-22		
11.	Deploying the .Net Runtime	02-04-22		
12.	Architecture of .Net platform	04-04-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	Do same	05-04-22		
14	Do same	06-04-22		
15	Introduction to namespaces & type distinction	07-04-22		
16	Do same	08-04-22		
17	Do same	09-04-22		
18	Types & Object in .Net	11-04-22		
19	the evolution of Web development	12-04-22		
20	Written test	13-04-22		

21	Class Libraries in .Net	15-04-22		
22.	Introduction to Assemblies & Manifest in .Net	16-04-22		
23.	Metadata & attributes	18-04-22		
24.	Do same	19-04-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
25.	Introduction to C#	20-04-22		
26.	Do same	21-04-22		
27.	Characteristics of C#	22-04-22		
28	Data types	23-04-22		
29.	Value types	25-04-22		
30.	Reference type	26-04-22		
31.	default value	27-04-22		
32.	constants	28-04-22		
33	Do same	29-04-22		
34.	Do same	30-04-22		
35.	Do same	02-05-22		
36.	Oral test	04-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	variables	05-05-22		
38	scope of variables	06-05-22		
39	boxing and unboxing	07-05-22		
40	Operators and expressions	09-05-22		
41	Do Same	10-05-22		
42	Do Same	11-05-22		

43	Do Same	12-05-22		
44	evolution of expressions	13-05-22		
45	operator precedence	14-05-22		
46	Do Same	16-05-22		
47.	Do Same	17-05-22		
48	Do Same	18-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49	associativity	19-05-22		
50	Control constructs in C#	20-05-22		
51	Decision making	21-05-22		
52	loops	23-05-22		
53	Classes & methods	24-05-22		
54	Do same	25-05-22		
55	Do same	26-05-22		
56	Group Discussion	27-05-22		
57	Oral test	28-05-22		
58	constructors	30-05-22		
59.	destructors	31-05-22		
60.	overloading of operators & functions.	01-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	Inheritance & polymorphism	03-06-22		
62	visibility control	04-06-22		

63	Do same	06-06-22		
64	overriding	07-06-22		
65	Do same	08-06-22		
66	abstract class & methods	09-06-22		
67	Do same	10-06-22		
68	Sealed classes & methods	11-06-22		
69	interfaces	13-06-22		
70	Advanced features of C#	15-06-22		
71	Do same	16-06-22		
72.	Do same	17-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	automatic memory management,	18-06-22		
74	Input and output (Directories, Files, and streams)	20-06-22		
75	Queries session	21-06-22		
76	Revision	22-06-22		
77	Revision	23-06-22		
78	Revision	24-06-22		
79	Revision	25-06-22		
80	Revision	27-06-22		
81	Revision	28-06-22		
82	Revision	29-06-22		
83.	Revision	30-06-22		
84.	Revision	01-07-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
85.	Revision	02-07-22		
86	Revision	04-07-22		
87	Revision	05-07-22		
88	Revision	06-07-22		
89	Revision	07-07-22		
90	Revision	08-07-22		

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal

SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name: Kanika Khanna Subject: software engineering

Class/ Semester BCA 4 sem

Commencement Date: 21-3-22 Semester End Date :-4sem Session 2021-22

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Introduction to syllabus	21-03-22		
2.	Discuss syllabus	22-03-22		
3.	Introduction to software	24-03-22		
4.	Do continue	25-03-22		
5.	Do continue	26-03-22		
6.	Software Crisis	28-03-22		
7.	Group Discussion	29-03-22		
8.	Software Processes	30-03-22		
9.	Do continue	31-03-22		
10.	Introduction to Software life cycle models	01-04-22		
11.	Do continue	02-04-22		
12.	Do continue	04-04-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	Do continue	05-04-22		
14	Do continue	06-04-22		
15	Do continue	07-04-22		
16	Do continue	08-04-22		
17	Do continue	09-04-22		
18	Written test	11-04-22		
19	Group Discussion	12-04-22		
20	Introduction to Software Requirements Analysis & Specifications	13-04-22		

21	Do continue	15-04-22		
22.	Do continue	16-04-22		
23.	Do continue	18-04-22		
24.	Requirement engineering	19-04-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
25.	Do continue	20-04-22		
26.	Do continue	21-04-22		
27.	Introduction to requirement elicitation techniques	22-04-22		
28	Do continue	23-04-22		
29.	Do continue	25-04-22		
30.	Do continue	26-04-22		
31.	FAST Technique	27-04-22		
32.	QFD Technique	28-04-22		
33	Written Test on to requirement elicitation techniques	29-04-22		
34.	Introduction	30-04-22		
35.	requirements analysis using DFD	02-05-22		
36.	Do continue	04-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	Do continue	05-05-22		
38	Data dictionaries & ER Diagrams	06-05-22		
39	Do continue	07-05-22		
40	Requirements documentation	09-05-22		
41	Nature of SRS ,Characteristics & organization of SRS .	10-05-22		

42	Do continue	11-05-22		
43	Do continue	12-05-22		
44	Written Test on Data dictionaries & ER Diagrams, Requirements documentation	13-05-22		
45	Software Project Management Concepts	14-05-22		
46	Do continue	16-05-22		
47.	Do continue	17-05-22		
48	Intoduction to Software Project Management Concepts	18-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49	Do continue	19-05-22		
50	Do continue	20-05-22		
51	The Management spectrum	21-05-22		
52	Do continue	23-05-22		
53	Do continue	24-05-22		
54	The People The Problem	25-05-22		
55	Do continue	26-05-22		
56	Do continue	27-05-22		
57	Group Discussion	28-05-22		
58	The Process	30-05-22		
59.	Verbal Test on Software Project Management Concepts	31-05-22		
60.	Written Test on Software Project Management Concepts	01-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	The Project	03-06-22		
62	Introduction to Software Project Planning	04-06-22		
63	Do continue	06-06-22		
64	Do continue	07-06-22		
65	Introduction to Size Estimation Techniques	08-06-22		
66	Do continue	09-06-22		
67	Function Count Technique	10-06-22		
68	COCOMO model	11-06-22		
69	Risk Management	13-06-22		
70	Introduction to Software Design, Cohesion & Coupling	15-06-22		
71	Function Oriented Design Object Oriented Design	16-06-22		
72.	System Design, What & Why, Token Count	17-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	Halstead Software Science Measures	18-06-22		
74	Design Metrics	20-06-22		
75	Software Implementation	21-06-22		
76	Implementation issues and programming support environment	22-06-22		
77	Software Testing	23-06-22		
78	Functional Testing	24-06-22		
79	Revision	25-06-22		
80	Revision	27-06-22		
81	Revision	28-06-22		

82	Revision	29-06-22		
83.	Revision	30-06-22		
84.	Revision	01-07-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
85.	Revision	02-07-22		
86	Revision	04-07-22		
87	Revision	05-07-22		
88	Revision	06-07-22		
89	Revision	07-07-22		
90	Revision	08-07-22		

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal

SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name: Kanika Khanna Subject: Java programming

Class/ Semester BCA 6 sem

Commencement Date:21-3-22 Semester End Date Session 2021-22

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Syllabus Discussion	21-03-22		
2.	Object Oriented Methodology	22-03-22		
3.	Do same	24-03-22		
4.	Basic Concepts of OO Approach	25-03-22		
5.	Comparison of Object Oriented	26-03-22		
6.	Procedure Oriented Approaches	28-03-22		
7.	Benefits of OOPs	29-03-22		
8.	Introduction to Common OO Language	30-03-22		
9.	Applications of OOPs	31-03-22		
10.	Do same	01-04-22		
11.	Do same	02-04-22		
12.	Do same	04-04-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	Group Discussion	05-04-22		
14	Written test	06-04-22		
15	Classes and Objects	07-04-22		
16	Abstraction	08-04-22		
17	Encapsulation	09-04-22		
18	Inheritance	11-04-22		
19	Method Overriding	12-04-22		
20	Do same	13-04-22		

21	Do same	15-04-22		
22.	Polymorphism	16-04-22		
23.	Do same	18-04-22		
24.	Do same	19-04-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
25.	Java Language Basics	20-04-22		
26.	Basic Features	21-04-22		
27.	Java Virtual Machine Concepts	22-04-22		
28	Do same	23-04-22		
29.	Do same	25-04-22		
30.	Primitive Data Type And Variables	26-04-22		
31.	Do same	27-04-22		
32.	Do same	28-04-22		
33	Java Operators	29-04-22		
34.	Do same	30-04-22		
35.	Do same	02-05-22		
36.	Expressions	04-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	Do same	05-05-22		
38	Do same	06-05-22		
39	Statements and Arrays	07-05-22		
40	Object Oriented Concepts: Class and Objects-- Class Fundamentals, Creating objects	09-05-22		
41	Assigning object reference variables	10-05-22		

42	Introducing Methods, Static methods	11-05-22		
43	Constructors	12-05-22		
44	Overloading constructors	13-05-22		
45	Using Objects as Parameters	14-05-22		
46	Argument passing	16-05-22		
47.	Returning objects	17-05-22		
48	Method overloading	18-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49	Garbage Collection	19-05-22		
50	The Finalize ( ) Method.	20-05-22		
51	Inheritance and Polymorphism	21-05-22		
52	Do same	23-05-22		
53	Do same	24-05-22		
54	Inheritance Basics	25-05-22		
55	Access Control	26-05-22		
56	Multilevel Inheritance	27-05-22		
57	Method Overriding	28-05-22		
58	Do same	30-05-22		
59.	Abstract Classes	31-05-22		
60.	Polymorphism	01-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	Final Keyword	03-06-22		

62	Written test	04-06-22		
63	Defining Package	06-06-22		
64	CLASSPATH	07-06-22		
65	Package naming, Accessibility of Packages using Package Members	08-06-22		
66	Implementing Interfaces, Interface and Abstract Classes, Extends and Implements together	09-06-22		
67	Do same	10-06-22		
68	Do same	11-06-22		
69	Exceptions Handling	13-06-22		
70	Do same	15-06-22		
71	Do same	16-06-22		
72.	Throwing Exceptions, Writing Exception Subclasses	17-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	Multithreading	18-06-22		
74	I/O in Java	20-06-22		
75	Do same	21-06-22		
76	Strings and Characters	22-06-22		
77	Revision	23-06-22		
78	Revision	24-06-22		
79	Revision	25-06-22		
80	Revision	27-06-22		
81	Revision	28-06-22		
82	Revision	29-06-22		
83.	Revision	30-06-22		

84.	Revision	01-07-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
85.	Revision	02-07-22		
86	Revision	04-07-22		
87	Revision	05-07-22		
88	Revision	06-07-22		
89	Revision	07-07-22		
90	Revision	08-07-22		
91				
92				

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal

SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name: Kanika Khanna Subject: c programming

Class/ Semester BCA

Commencement Date:21-3-22 Semester End Date:- 2 sem Session:-2021-22

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Introduction to syllabus	21-03-22		
2.	History of C, Importance of C	22-03-22		
3.	Elements of C: C character set, identifiers and keywords	24-03-22		
4.	Data types, Constants and Variables, Assignment statement	25-03-22		
5.	Symbolic constant, Structure of a C Program, printf(), scanf() Functions	26-03-22		
6.	Operators & Expression: Arithmetic, relational, logical, bitwise, unary, assignment, shorthand assignment operators, conditional operators and increment and decrement operators, Arithmetic expressions	28-03-22		
7.	Do same	29-03-22		
8.	Do same	30-03-22		
9.	Do same	31-03-22		
10.	Do same	01-04-22		
11.	evaluation of arithmetic expression	02-04-22		
12.	type casting and conversion, operator hierarchy & associativity	04-04-22		

Reviewed by Date

. Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	Do same	05-04-22		
14	Do same	06-04-22		
15	Do same	07-04-22		

16	Do same	08-04-22		
17	Decision making & branching	09-04-22		
18	Decision making with IF statement, IF-ELSE statement	11-04-22		
19	Do same	12-04-22		
20	Decision making & looping: For, while, and do-while loop	13-04-22		
21	Do same	15-04-22		
22.	Do same	16-04-22		
23.	jumps in loops, break,	18-04-22		
24.	Continue statement, Nested loops	19-04-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
25.	Do same	20-04-22		
26.	Do same	21-04-22		
27.	Do same	22-04-22		
28	Functions: Standard Mathematical functions, Input/output: Unformatted & formatted I/O	23-04-22		
29.	Lab program	25-04-22		
30.	function in C, Input functions viz. getch(), getche(), getchar(), gets(), output functions viz.,	26-04-22		
31.	Written test	27-04-22		
32.	Do same	28-04-22		
33	putch(), putchar(), puts(), string manipulation functions	29-04-22		
34.	Do same	30-04-22		
35.	Do same	02-05-22		
36.	Do same	04-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	Do same	05-05-22		
38	Do same	06-05-22		
39	Do same	07-05-22		
40	User defined functions: Introduction/Definition	09-05-22		
41	Prototype	10-05-22		
42	Local and global variables	11-05-22		
43	Written test	12-05-22		
44	Do same	13-05-22		
45	Do same	14-05-22		
46	Do same	16-05-22		
47.	passing parameters	17-05-22		
48	Recursion	18-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49	Revision	19-05-22		
50	Revision	20-05-22		
51	Revision	21-05-22		
52	Lab program	23-05-22		
53	Arrays	24-05-22		
54	Lab program	25-05-22		
55	strings and pointers: Definition	26-05-22		
56	types, initialization	27-05-22		
57	Lab program	28-05-22		
58	Lab program	30-05-22		

59.	processing an array, passing arrays to functions	31-05-22		
60.	Array of Strings	01-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	Lab program	03-06-22		
62	String constant and variables	04-06-22		
63	Revision	06-06-22		
64	initialization of string	07-06-22		
65	Do same	08-06-22		
66	Input/output of string data	09-06-22		
67	Introduction to pointers	10-06-22		
68	Storage classes in C: auto, extern, register and static storage class,	11-06-22		
69	Do same	13-06-22		
70	storage, & lifetime.	15-06-22		
71	Algorithm development, Flowcharting	16-06-22		
72.	Development of efficient program in C	17-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	Revision	18-06-22		
74	Revision	20-06-22		
75	Revision	21-06-22		
76	Revision	22-06-22		
77	Revision	23-06-22		
78	Revision	24-06-22		

79	Revision	25-06-22		
80	Revision	27-06-22		
81	Revision	28-06-22		
82	Revision	29-06-22		
83.	Revision	01-07-22		
84.	Revision	02-07-22		
85	Revision	04-07-22		
86	Revision	05-07-22		
87	Revision	06-07-22		
88	Revision	07-07-22		
89	Revision	08-07-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal

SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name: Laxmi Subject: Logical of Organization

Class/ Semester: BCA 2nd Sem

Commencement Date: Semester End Date Session

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Introduction to Syllabus	21-03-22		
2.	Discuss syllabus	22-03-22		
3.	Introduction to Sequential Logic	24-03-22		
4.	Characteristics	25-03-22		
5.	Introduction to Flip-Flops	26-03-22		
6.	Sequential Logic	28-03-22		
7.	Types of Flip-Flops	29-03-22		
8.	Clocked RS	30-03-22		
9.	Written test based on Flip-Flops	31-03-22		
10.	D type Flip- Flop	01-04-22		
11.	JK Flip- Flop	02-04-22		
12.	Assignments	04-04-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	Written test on D type, JK	05-04-22		
14	T type Flip- Flop	06-04-22		
15	Master-Slave flip-flops.	07-04-22		
16	Group Discussion	08-04-22		
17	State table	09-04-22		
18	Problems on State table	11-04-22		
19	state diagram	12-04-22		
20	state equations	13-04-22		

21	Flip-flop excitation tables	15-04-22		
22.	Various questions on Flip-flop excitation tables	16-04-22		
23.	Written test on State table, state diagram and state equations. Flip-flop	18-04-22		
24.	Flip-flop excitation tables	19-04-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
25.	Introduction to Sequential Circuits	20-04-22		
26.	Introduction to designing registers	21-04-22		
27.	Serial Input Serial Output (SISO)	22-04-22		
28	Serial Input Parallel Output (SIPO)	23-04-22		
29.	Written test on SISO& SIPO	25-04-22		
30.	Parallel Input Serial Output (PISO)	26-04-22		
31.	Parallel Input Parallel Output (PIPO)	27-04-22		
32.	Written Test on PISO and PIPO	28-04-22		
33	shift registers	29-04-22		
34.	Designing counters	30-04-22		
35.	Asynchronous Binary Counters	02-05-22		
36.	Presentations	04-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	Synchronous Binary Counters	05-05-22		
38	Modulo-N Counters	06-05-22		
39	Up-Down Counters	07-05-22		
40	Written Test on Chapter 2	09-05-22		
41	Introduction to Memory & I/O Devices	10-05-22		

42	Memory Parameters	11-05-22		
43	Semiconductor RAM	12-05-22		
44	Presentation	13-05-22		
45	ROM	14-05-22		
46	Written Test on RAM, ROM	16-05-22		
47.	Assignments	17-05-22		
48	Magnetic devices	18-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49	Optical Storage devices	19-05-22		
50	Flash memory	20-05-22		
51	Taking Oral Test	21-05-22		
52	Introduction to I/O Devices	23-05-22		
53	Written Test on Optical Storage devices, Flash memory, I/O Devices	24-05-22		
54	Taking Queries	25-05-22		
55	Assignments	26-05-22		
56	Types of input devices	27-05-22		
57	Types of output devices	28-05-22		
58	Controllers of I/O	30-05-22		
59.	Group discussion	31-05-22		
60.	Written Test on Flash memory, I/O Devices and their controllers	01-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	Assignments	03-06-22		
62	Introduction to Instruction Design & I/O Organization	04-06-22		
63	Machine instruction	06-06-22		
64	Instruction set selection	07-06-22		
65	Written Test on Testing Process, Design of Test Cases	08-06-22		
66	Assignments	09-06-22		
67	Instruction cycle	10-06-22		
68	Instruction Format	11-06-22		
69	Addressing Modes	13-06-22		
70	I/O Interface	15-06-22		
71	Oral Test	16-06-22		
72.	Interrupt structure	17-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	Program-controlled	18-06-22		
74	Interrupt-controlled	20-06-22		
75	Presentation	21-06-22		
76	Interrupt-con Interrupt-controlled	22-06-22		
77	Written Test on Interrupt structure, Program-controlled, Interrupt-controlled	23-06-22		
78	DMA transfer	24-06-22		
79	I/O Channels	25-06-22		
80	Taking queries	27-06-22		
81	Written test on I/O Channels	28-06-22		
82	Revision	29-06-22		

83.	Revision	30-06-22		
84.	Revision	01-07-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
85.	Presentation	02-07-22		
86	Revision	04-07-22		
87	Presentation	05-07-22		
88	Revision	06-07-22		
89	Written test	07-07-22		
90	Revision	08-07-22		

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal

SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name: Mrs. Laxmi Subject: Data structure II

Class/ BCA Semester 4th Sem

Commencement Date: Semester End Date Session 2022-23

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Introduction to Syllabus	21/03/2022		
2.	Discuss syllabus	22/03/2022		
3.	Introduction to Tree	24/03/2022		
4.	Header nodes	25/03/2022		
5.	Threads	26/03/2022		
6.	Introduction to Binary search trees	28/03/2022		
7.	Discuss about different operations on binary search tree	29/03/2022		
8.	Searching and insertion in Binary search tree	30/03/2022		
9.	Deletion in binary search tree	31/03/2022		
10.	Written test on different operations on binary search tree	01/04/2022		
11.	Introduction to AVL search trees	02/04/2022		
12.	Insertion and Deletion in AVL	04/04/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	Introduction to , m-way search tree	05/04/2022		
14	different operations in m-way search tree	06/04/2022		
15	Written Test on AVL and m-way tree	07/04/2022		
16	Searching in m-way tree	08/04/2022		
17	Insertion and deletion in an m-way search tre	09/04/2022		
18	Written Test on operations on m-way tree	11/04/2022		
19	Assignments	12/04/2022		
20	Introduction to B-trees	13/04/2022		
21	Searching in B-Tree	15/04/2022		
22.	Insertion in a B-tree.	16/04/2022		
23.	Deletion in a B-tree.	18/04/2022		

24.	Group Discussion	19/04/2022		
25.	Introduction to B+tree,	20/04/2022		
26.	Written Test on B Tree and operations of B Tree	21/04/2022		
27.	Huffman's algorithm	22/04/2022		
28	General trees	23/04/2022		
29.	personation	25/04/2022		
30.	Written test	26/04/2022		
31.	Taking queries	27/04/2022		
32.	Introduction to graph	28/04/2022		
33	Warshall's algorithm for shortest path	29/04/2022		
34.	Dijkstra algorithm for shortest path	30/04/2022		
35.	Repeat Warshall's algorithm for shortest path and Dijkstra algorithm for shortest path	02/05/2022		
36.	Written Test on Warshall's algorithm for shortest path and Dijkstra algorithm for shortest path	04/05/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	Assignments	05/05/2022		
38	Operations on graph	06/05/2022		
39	Presentation	07/05/2022		
40	Oral test on above topics.	09/05/2022		
41	Traversal of graph	11/05/2022		
42	Topological sorting.	12/05/2022		
43	Group Discussion	13/05/2022		
44	Types of searching and sorting	14/05/2022		
45	Internal & external sorting	16/05/2022		
46	Presentation	17/05/2022		
47.	Radix sort	18/05/2022		
48.	Quick sort	19/05/2022		

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49.	Oral Test or group discussion.	20/05/2022		
50	Assignments	21/05/2022		
51	Written Test on sorting(Radix sort,Quick sort)	23/05/2022		
52	Heap sort	24/05/2022		
53	Merge sort	25/05/2022		
54	Tournament sort	26/05/2022		
55	Group Discussion	27/05/2022		
56	Written Test on (Heap sort, Merge sort, Tournament sort)	28/05/2022		
57	Linear Search	30/05/2022		
58	Binary search	31/05/2022		
59.	Merging	01/06/2022		
60.	Comparison of various sorting and searching algorithms on the basis of their complexity.	04/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	Written Test on searching and merging	06/06/2022		
62	Assignments	07/06/2022		
63	Introduction to Files	08/06/2022		
64	Physical storage devices and their characteristics	09/06/2022		
65	Attributes of a file viz fields	10/06/2022		
66	Written Test on Files	11/06/2022		
67	Records	13/06/2022		
68	Fixed and variable length records	14/06/2022		
69	Primary and secondary keys	15/06/2022		
70	Presentation	16/06/2022		
71	Classification of files	17/06/2022		
72.	Oral Test	18/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	File operations	20/06/2022		
74	Written Test on File operations, Classification of files	21/06/2022		
75	Comparison of various types of files	22/06/2022		
76	Introduction to File organization	23/06/2022		
77	Serial, Sequential	24/06/2022		
78	Indexed-sequential	25/06/2022		
79	Random-access/Direct	27/06/2022		
80	Multilist file organization	28/06/2022		
81	Introduction to Hashings	29/06/2022		
82	Hashing functions	30/06/2022		
83.	Collision resolution methods	01/07/2022		
84.	Taking queries	02/07/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
85.	Written Test on hashing	03/07/2022		
86	Revision	04/07/2022		
87	Revision	05/07/2022		
88	Revision	06/07/2022		
89	Revision	07/07/2022		
90	Revision	08/07/2022		

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal

SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name: Laxmi Subject: Artificial Intelligence

Class/ Semester BCA 6th Sem

Commencement Date: Semester End Date Session

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Introduction to Syllabus	21-03-22		
2.	Discuss syllabus	22-03-22		
3.	Introduction to AI	24-03-22		
4.	Importance of AI	25-03-22		
5.	AI and its related field	26-03-22		
6.	Taking Queries	28-03-22		
7.	Written test on AI and its related field	29-03-22		
8.	AI techniques	30-03-22		
9.	Criteria for success	31-03-22		
10.	Defining the problem as a state space search	01-04-22		
11.	Production system	02-04-22		
12.	Production system characteristics	04-04-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	Presentation	05-04-22		
14	Issues in the design of the search problem	06-04-22		
15	Generate and test	07-04-22		
16	Written test on Issues in the design of the search problem	08-04-22		
17	Group discussion	09-04-22		
18	Assignments	11-04-22		
19	Taking Queries	12-04-22		
20	Hill climbing	13-04-22		

21	Do Same	15-04-22		
22	Search Space	16-04-22		
23.	Searching	18-04-22		
24.	Best first search technique	19-04-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
25.	Group discussion	20-04-22		
26.	Problem reduction	21-04-22		
27.	Constraint satisfaction	22-04-22		
28	Taking queries	23-04-22		
29.	Written test on Problem reduction	25-04-22		
30.	Definition of knowledge	26-04-22		
31.	Importance of knowledge	27-04-22		
32.	Assignments	28-04-22		
33	Knowledge representation	29-04-22		
34.	Various approaches used in knowledge representation	30-04-22		
35.	Do Same	02-05-22		
36.	Presentation	04-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	Issues in knowledge representation	05-05-22		
38	Representing simple facts in logic	06-05-22		
39	Representing instances and is a relationship	07-05-22		
40	Computable function and predicate	09-05-22		
41	Taking queries	10-05-22		

42	Written test on Representing simple facts in logic	11-05-22		
43	Introduction syntactic processing	12-05-22		
44	Semantic processing	13-05-22		
45	Presentation based on knowledge representation	14-05-22		
46	Group discussion	16-05-22		
47.	Discourse and pragmatic processing	17-05-22		
48	Oral test on above topic	18-05-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49	Taking queries	19-05-22		
50	Introduction learning	20-05-22		
51	Rote learning	21-05-22		
52	Taking queries	23-05-22		
53	Written test on Rote learning	24-05-22		
54	Learning by taking advice	25-05-22		
55	Learning in problem solving	26-05-22		
56	Group discussion	27-05-22		
57	Assignments	28-05-22		
58	Learning from example - induction	30-05-22		
59.	Written test on Learning in problem solving	31-05-22		
60.	Presentation	01-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	Expert System	03-06-22		
62	Characteristics of expert system	04-06-22		
63	Need of expert system	06-06-22		
64	Component of expert system	07-06-22		
65	Advantages f expert system	08-06-22		
66	Disadvantages of expert system	09-06-22		
67	Difference between conventional and expert system	10-06-22		
68	Architecture of expert system	11-06-22		
69	Expert system application	13-06-22		
70	Expert system shell	15-06-22		
71	Use of expert system shell	16-06-22		
72.	Development time of expert system	17-06-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	Oral test	18-06-22		
74	Presentation on above topic	20-06-22		
75	Criteria of expert system	21-06-22		
76	Disadvantage of expert system shells	22-06-22		
77	Components of expert system shell	23-06-22		
78	Taking queries	24-06-22		
79	Group discussion	25-06-22		
80	System development shell	27-06-22		
81	Assignments	28-06-22		
82	JESS (java expert system shell)	29-06-22		
83.	Revision	30-06-22		

84.	Revision	01-07-22		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
85.	Presentation	02-07-22		
86	Revision	04-07-22		
87	Revision	05-07-22		
88	Written Test	06-07-22		
89	Revision	07-07-22		
90	Revision	08-07-22		

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal

SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name:Mrs. Vandita Sharma Subject: Web Designing Class/ Semester BCA IV

Commencement Date: 21/03/2022 Semester End Date: 08/07/2022 Session2021-22

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Introduction to Internet	21/03/2022		
2.	Basic of Internet	22/03/2022		
3.	Introduction to Web Browsers; Web Servers	24/03/2022		
4.	URLs	25/03/2022		
5.	Search Engines	26/03/2022		
6.	Search Engines Tools	28/03/2022		
7.	Applications of Internet	29/03/2022		
8.	Internet protocols	30/03/2022		
9.	Internet tools	31/03/2022		
10.	Online chatting methods	01/04/2022		
11.	Online conferencing	02/04/2022		
12.	Resources of internet	04/04/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	Assignment	05/04/2022		
14	Group Discussion	06/04/2022		
15	Written test	07/04/2022		
16	Web surfing	08/04/2022		
17	Searching and Web-Casting Techniques	09/04/2022		
18	Internet service provider(ISP)	11/04/2022		
19	Introduction to web publishing	12/04/2022		
20	Internet terminology	13/04/2022		
21	Introduction to web publishing	15/04/2022		
22.	Internet Addressing	16/04/2022		
23.	Steps for developing web site	18/04/2022		
24.	Saving website	19/04/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
25.	IP Address Format	20/04/2022		
26.	Domain Name System (DNS)	21/04/2022		
27.	Newsgroup or Usenet	22/04/2022		
28	Web Publishing:	23/04/2022		
29.	Working on the website	25/04/2022		
30.	Surfing the net	26/04/2022		
31.	Home Page; Domain Names, Front page views	27/04/2022		
32.	Assignment	28/04/2022		
33	Group discussion	29/04/2022		
34.	Internet Accessing	30/04/2022		
35.	Adding pictures, Links, Backgrounds	02/05/2022		
36.	Assignment	04/05/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	Introduction to WWW	05/05/2022		
38	Introduction to HTTP	06/05/2022		
39	Creating web site structure	07/05/2022		
40	Creating Title for web pages	09/05/2022		
41	Group discussion	10/05/2022		
42	Assignment	11/05/2022		
43	Themes-Publishing web sites	12/05/2022		
44	Security Measures	13/05/2022		
45	Security Certificates	14/05/2022		
46	firewalls	16/05/2022		
47.	Group discussion	17/05/2022		
48	Assignment	18/05/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49	Introduction to HTML	19/05/2022		
50	HTML documents	20/05/2022		
51	Basic structure of HTML documents	21/05/2022		
52	Creating a HTML document	23/05/2022		
53	Viewing pages in different browser	24/05/2022		
54	Mark up tag	25/05/2022		
55	Heading -Paragraphs	26/05/2022		
56	Line Breaks	27/05/2022		
57	Text Formatting	28/05/2022		
58	Introduction to elements of HTML	30/05/2022		
59.	Working with Text	31/05/2022		
60.	Text colors	01/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	Assignment	03/06/2022		
62	Background Colors	04/06/2022		
63	Formatting text and Page layouts	06/06/2022		
64	Working with Hyperlinks, Images	07/06/2022		
65	Working with List	08/06/2022		
66	Tables and Frames	09/06/2022		
67	Working with Forms	10/06/2022		
68	Working with Controls	11/06/2022		
69	Working with Radio Buttons	13/06/2022		
70	Working with Check Box	15/06/2022		
71	Concepts of CSS	16/06/2022		
72.	Creating Style Sheets	17/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	CSS styling with Background ,	18/06/2022		
74	Text Formats, Controlling Fonts	20/06/2022		
75	Text structuring (<P>, , <HR>,<Center>)	21/06/2022		
76	Introduction to DHTML	22/06/2022		
77	CSS ID and Class	23/06/2022		
78	JSSS(JavaScript assisted style sheet)	24/06/2022		
79	Adding style sheet to HTML Document	25/06/2022		
80	Common task with CSS	27/06/2022		
81	Advantages & Disadvantages of CSS	38/06/2022		
82	Group discussion	29/06/2022		
83.	Assignment	30/06/2022		
84.	Assignment	01/07/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
85.	Assignment	02/07/2022		
86	Revision	04/07/2022		
87	Revision	05/07/2022		
88	Revision	06/07/2022		
89	Revision	07/07/2022		
90	Revision	08/07/2022		

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal

SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name:Mrs. Vandita Sharma Subject: System analysis and design Class/ Semester:- II

Commencement Date: Semester End Date Session 2021-22

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Introduction to system,	21/03/2022		
2.	Introduction and definition of system	22/03/2022		
3.	characteristics of a system	24/03/2022		
4.	Elements of system	25/03/2022		
5.	Types of system (TPS,MIS,DSS,OAS)	26/03/2022		
6.	Group Discussion	28/03/2022		
7.	Assignment	29/03/2022		
8.	Introduction to System development life cycle	30/03/2022		
9.	Phases of SDLC	31/03/2022		
10.	Role of system analyst	01/04/2022		
11.	Analyst/user interface,	02/04/2022		
12.	Written test on System development life cycle, Elements of system, Types of system	04/04/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	System planning and initial investigation: Introduction	05/04/2022		
14	Bases for planning in system analysis	06/04/2022		
15	Sources of project requests	07/04/2022		
16	Oral l test on Sources of project requests, Bases for planning in system analysis	08/04/2022		
17	Initial investigation	09/04/2022		
18	Introduction to Fact finding & its Techniques	11/04/2022		
19	Assignment on Fact Finding Technique	12/04/2022		
20	Define Information gathering	13/04/2022		
21	Information gathering tools	15/04/2022		
22.	Fact analysis, Determination of feasibility	16/04/2022		
23.	Written Test on Information gathering, information gathering tools,	18/04/2022		
24.	Assignment	19/04/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
25.	Structured analysis	20/04/2022		
26.	Tools of structured analysis: DFD, Data dictionary	21/04/2022		
27.	Flow charts	22/04/2022		
28	Group Discussion on DFD, Data dictionary, Flow charts	23/04/2022		
29.	Gantt charts, decision tree	25/04/2022		
30.	Assignment	26/04/2022		
31.	Decision table, Pros and cons of each tool	27/04/2022		
32.	Structured English	28/04/2022		
33	Written Test on Gantt charts, decision tree, decision table	29/04/2022		
34.	Feasibility study: Introduction,	30/04/2022		
35.	Objective, Types of Feasibility study	02/05/2022		
36.	Steps in feasibility analysis, Feasibility report	04/05/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	Introduction to Oral presentation	05/05/2022		
38	Cost and benefit analysis: Identification of costs and benefits	06/05/2022		
39		07/05/2022		
40	Classification of costs and benefits	09/05/2022		
41	Oral test on above topics.	11/05/2022		
42	Methods of determining costs and benefits	12/05/2022		
43	Group Discussion	13/05/2022		
44	Interpret results of analysis and take final action.	14/05/2022		
45	Assignment	16/05/2022		
46	Introduction to System design	17/05/2022		
47.	Objectives of System Design	18/05/2022		
48	Logical and physical design	19/05/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49	Group Discussion	20/05/2022		
50	Design Methodologies	21/05/2022		
51	Structured design	23/05/2022		
52	Form-Driven methodology(IPO charts)	24/05/2022		
53	Structured walkthrough	25/05/2022		
54	Input/output and form design: Input design	26/05/2022		
55	Group Discussion	27/05/2022		
56	Objectives of input design	28/05/2022		
57	Assignment	30/05/2022		
58	Output design	31/05/2022		
59.	Objectives of output design	01/06/2022		
60.	Form design	04/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	Classification of forms	06/06/2022		
62	Requirements of form	07/06/2022		
63	Group Discussion	08/06/2022		
64	Assignment	09/06/2022		
65	Types of forms	10/06/2022		
66	Layout considerations	11/06/2022		
67	Written Test on Types of forms, Layout considerations	13/06/2022		
68	Form control	14/06/2022		
69	Group Discussion	15/06/2022		
70	Assignment	16/06/2022		
71	System testing:	17/06/2022		
72.	Objectives of testing	18/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	Test plan	20/06/2022		
74	Group Discussion	21/06/2022		
75	Assignment	22/06/2022		
76	Quality assurance goals in system life cycle	23/06/2022		
77	System implementation	24/06/2022		
78	Process of implementation	25/06/2022		
79	System evaluation	27/06/2022		
80	System maintenance and its type	28/06/2022		
81	System documentation	29/06/2022		
82	System maintenance and its type	30/06/2022		
83.	Forms of documentation.	01/07/2022		
84.	Group Discussion	02/07/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
85.	Assignment	03/07/2022		
86	Revision	04/07/2022		
87	Revision	05/07/2022		
88	Revision	06/07/2022		
89	Revision	07/07/2022		
90	Revision	08/07/2022		

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal

SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name: Mrs. Vandita Sharma Subject: OOPs Using C++ Class/ Semester: - BCA IV sem

Commencement Date: 21/03/2022 Semester End Date: 08/07/2022 Session 2021-22

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Introduction Procedural and Object Oriented approach	21/03/2022		
2.	Characteristics of OOP	22/03/2022		
3.	User defined types	24/03/2022		
4.	polymorphism and encapsulation	25/03/2022		
5.	started with C++ syntax	26/03/2022		
6.	Group discussion	28/03/2022		
7.	Assignment	29/03/2022		
8.	data types, variables, string	30/03/2022		
9.	function, namespace	31/03/2022		
10.	exception, operators, flow control	01/04/2022		
11.	Recursion, structure.	02/04/2022		
12.	array and pointer	04/04/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	Group discussion	05/04/2022		
14	Assignment	06/04/2022		
15	private and public Access modifier	07/04/2022		
16	Static Member functions	08/04/2022		
17	Static data members	09/04/2022		
18	References	11/04/2022		
19	Constructor and Destructor	12/04/2022		
20	Copy constructer	13/04/2022		
21	object copying	15/04/2022		
22.	This input/output	16/04/2022		
23.	Dynamic allocation operator :New, delete	18/04/2022		
24.	assignment operator	19/04/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
25.	Assignment	20/04/2022		
26.	Written test	21/04/2022		
27.	Inheritance and Polymorphism	22/04/2022		
28	Abstract Class	23/04/2022		
29.	Practice work	25/04/2022		
30.	Different types of Inheritance	26/04/2022		
31.	Derived Class and Base Class	27/04/2022		
32.	Public and Private Inheritance	28/04/2022		
33	Ambiguity in Multiple inheritance	29/04/2022		
34.	Overriding member function	30/04/2022		
35.	Group discussion	02/05/2022		
36.	Assignment	04/05/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	Ambiguity in Multiple inheritance	05/05/2022		
38	Virtual function	06/05/2022		
39	Implementation of Late Binding	07/05/2022		
40	Rules for virtual functions	09/05/2022		
41	Pure virtual function	10/05/2022		
42	Friend function	11/05/2022		
43	Static function	12/05/2022		
44	Overriding VS Overloading	13/05/2022		
45	Virtual base class	14/05/2022		
46	Group discussion	16/05/2022		
47.	Assignment	17/05/2022		
48	Abstracting Mechanism: classes	18/05/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49	Group discussion	19/05/2022		
50	Assignment	20/05/2022		
51	Parameter passing in functions	21/05/2022		
52	Return by reference	23/05/2022		
53	Use of pointers	24/05/2022		
54	The 'Address of' and the 'indirection' operator	25/05/2022		
55	Declaration of A pointer data type	26/05/2022		
56	Meaning of Lvalue and Rvalue of a variable	27/05/2022		
57	Operations on pointers	28/05/2022		
58	Assignment	30/05/2022		
59.	Written test	31/05/2022		
60.	Exception Handling	01/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	Exception and derived class	03/06/2022		
62	function exception	04/06/2022		
63	function exception declaration	06/06/2022		
64		07/06/2022		
65		08/06/2022		
66		09/06/2022		
67		10/06/2022		
68		11/06/2022		
69		13/06/2022		
70		15/06/2022		
71		16/06/2022		
72.		17/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	Template and Standard Template Library	18/06/2022		
74	Template classes declaration	20/06/2022		
75	Template functions	21/06/2022		
76	namespace	22/06/2022		
77	string	23/06/2022		
78	iterators	24/06/2022		
79	Hashes	25/06/2022		
80	streams and other types	27/06/2022		
81	Group discussion	38/06/2022		
82	Assignment	29/06/2022		
83.		30/06/2022		
84.		01/07/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
85.		02/07/2022		
86		04/07/2022		
87		05/07/2022		
88		06/07/2022		
89		07/07/2022		
90		08/07/2022		

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal

SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name: Mrs. Vandita Sharma Subject: OOPs Using C++ Class/ Semester: - BCA IV sem

Commencement Date: 21/03/2022 Semester End Date: 08/07/2022 Session 2021-22

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Introduction Procedural and Object Oriented approach	21/03/2022		
2.	Characteristics of OOP	22/03/2022		
3.	User defined types	24/03/2022		
4.	polymorphism and encapsulation	25/03/2022		
5.	started with C++ syntax	26/03/2022		
6.	Group discussion	28/03/2022		
7.	Assignment	29/03/2022		
8.	data types, variables, string	30/03/2022		
9.	function, namespace	31/03/2022		
10.	exception, operators, flow control	01/04/2022		
11.	Recursion, structure.	02/04/2022		
12.	array and pointer	04/04/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	Group discussion	05/04/2022		
14	Assignment	06/04/2022		
15	private and public Access modifier	07/04/2022		
16	Static Member functions	08/04/2022		
17	Static data members	09/04/2022		
18	References	11/04/2022		
19	Constructor and Destructor	12/04/2022		
20	Copy constructer	13/04/2022		
21	object copying	15/04/2022		
22.	This input/output	16/04/2022		
23.	Dynamic allocation operator :New, delete	18/04/2022		
24.	assignment operator	19/04/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
25.	Assignment	20/04/2022		
26.	Written test	21/04/2022		
27.	Inheritance and Polymorphism	22/04/2022		
28	Abstract Class	23/04/2022		
29.	Practice work	25/04/2022		
30.	Different types of Inheritance	26/04/2022		
31.	Derived Class and Base Class	27/04/2022		
32.	Public and Private Inheritance	28/04/2022		
33	Ambiguity in Multiple inheritance	29/04/2022		
34.	Overriding member function	30/04/2022		
35.	Group discussion	02/05/2022		
36.	Assignment	04/05/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	Ambiguity in Multiple inheritance	05/05/2022		
38	Virtual function	06/05/2022		
39	Implementation of Late Binding	07/05/2022		
40	Rules for virtual functions	09/05/2022		
41	Pure virtual function	10/05/2022		
42	Friend function	11/05/2022		
43	Static function	12/05/2022		
44	Overriding VS Overloading	13/05/2022		
45	Virtual base class	14/05/2022		
46	Group discussion	16/05/2022		
47.	Assignment	17/05/2022		
48	Abstracting Mechanism: classes	18/05/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49	Group discussion	19/05/2022		
50	Assignment	20/05/2022		
51	Parameter passing in functions	21/05/2022		
52	Return by reference	23/05/2022		
53	Use of pointers	24/05/2022		
54	The 'Address of' and the 'indirection' operator	25/05/2022		
55	Declaration of A pointer data type	26/05/2022		
56	Meaning of Lvalue and Rvalue of a variable	27/05/2022		
57	Operations on pointers	28/05/2022		
58	Assignment	30/05/2022		
59.	Written test	31/05/2022		
60.	Exception Handling	01/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	Exception and derived class	03/06/2022		
62	function exception	04/06/2022		
63	function exception declaration	06/06/2022		
64		07/06/2022		
65		08/06/2022		
66		09/06/2022		
67		10/06/2022		
68		11/06/2022		
69		13/06/2022		
70		15/06/2022		
71		16/06/2022		
72.		17/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	Template and Standard Template Library	18/06/2022		
74	Template classes declaration	20/06/2022		
75	Template functions	21/06/2022		
76	namespace	22/06/2022		
77	string	23/06/2022		
78	iterators	24/06/2022		
79	Hashes	25/06/2022		
80	streams and other types	27/06/2022		
81	Group discussion	38/06/2022		
82	Assignment	29/06/2022		
83.		30/06/2022		
84.		01/07/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
85.		02/07/2022		
86		04/07/2022		
87		05/07/2022		
88		06/07/2022		
89		07/07/2022		
90		08/07/2022		

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal

SAT JINDA KALYANA COLLEGE, KALANAUR (ROHTAK)

Lesson Plan

Faculty Name: Mrs. Vandita Sharma Subject: E-Commerce Class/ Semester: - BCA VI Sem

Commencement Date: 21/03/2022 Semester End Date: 08/07/2022 Session 2021-22

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
1.	Introduction to E- Commerce	21/03/2022		
2.	Introduction to E- Business	22/03/2022		
3.	Features of E- Commerce	24/03/2022		
4.	Elements of E- Commerce	25/03/2022		
5.	Types of E- Commerce	26/03/2022		
6.	Benefits of E- Commerce	28/03/2022		
7.	Limitations of E- Commerce	29/03/2022		
8.	Frame work of E- Commerce	30/03/2022		
9.	Principles of E- Commerce	31/03/2022		
10.	Group Discussion	01/04/2022		
11.	Assignment	02/04/2022		
12.	Written test	04/04/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
13	Introduction of Electronic Payment System	05/04/2022		
14	Features of An ideal electronic payment system	06/04/2022		
15	Types of electronic payment system	07/04/2022		
16	Credit Cards	08/04/2022		
17	Debit Cards	09/04/2022		
18	Smart Cards	11/04/2022		
19	e-money ,e-wallets	12/04/2022		
20	e-cash ,e-checks	13/04/2022		
21	Automated clear house(ACH)	15/04/2022		
22.	Electronic Funds Transfer(EFT)	16/04/2022		
23.	Indian Payment Models	18/04/2022		
24.	Assignment	19/04/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
25.	Need of security in E-Commerce	20/04/2022		
26.	Essential Requirements for sale Electronic payments	21/04/2022		
27.	Online Frauds	22/04/2022		
28	Privacy Issue	23/04/2022		
29.	Security Schemes: Encryption, Digital Signatures	25/04/2022		
30.	Protocols used in Internet Security	26/04/2022		
31.	SSL: Secure socket layer	27/04/2022		
32.	SHTTP: secure hypertext transfer protocol	28/04/2022		
33	SET: secure electronic transaction	29/04/2022		
34.	Security requirements meet by SET	30/04/2022		
35.	SET Components or Entities & Advantages	02/05/2022		
36.	Assignment	04/05/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
37	Concept of EDI	05/05/2022		
38	EDI vs Traditional Method	06/05/2022		
39	Benefits and limitations of EDI	07/05/2022		
40	e-Governance	09/05/2022		
41	Objective &Advantages of e-Governance	10/05/2022		
42	EDI in Governance	11/05/2022		
43	E- Governance Applications & Guidelines	12/05/2022		
44	E- Governance Models	13/05/2022		
45	Private Sector interface in E-Governance	14/05/2022		
46	Objective of PPPs in E- Governance	16/05/2022		
47.	Group Discussion	17/05/2022		
48	Assignment	18/05/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
49	Introduction to Business to Consumer E-Commerce	19/05/2022		
50	Consumer shopping procedure on the internet	20/05/2022		
51	Software Agents	21/05/2022		
52	Disintermediation & Reintermendiation	23/05/2022		
53	Advantages of Disintermediation	24/05/2022		
54	Reintermendiation: introduction	25/05/2022		
55	Global Markets	26/05/2022		
56	Strategy of Traditional Department Stores	27/05/2022		
57	Group Discussion	28/05/2022		
58	Assignment	30/05/2022		
59.	Written test	31/05/2022		
60.	Power point presentation	01/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
61	E-Brokers & online Services	03/06/2022		
62	Online travel & tourism Service	04/06/2022		
63	Real estate market	06/06/2022		
64	Online stock trading	07/06/2022		
65	e- banking	08/06/2022		
66	Online financial services and their Future	09/06/2022		
67	E-auctions	10/06/2022		
68	Group Discussion	11/06/2022		
69	Assignment	13/06/2022		
70	Written test	15/06/2022		
71	Key technologies for B2B E commerce	16/06/2022		
72.	Architectural Models of B2B E commerce	17/06/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
73.	Justin time (JIT) Delivery	18/06/2022		
74	Marketing issue in B2B	20/06/2022		
75	Assignment	21/06/2022		
76	The security measures & products	22/06/2022		
77	Legal Aspects of E-Commerce	23/06/2022		
78	Assignment	24/06/2022		
79	E-Commerce scenario in India	25/06/2022		
80	E-Commerce business models	27/06/2022		
81	Types of E-Commerce Business Models	38/06/2022		
82	Retail Model	29/06/2022		
83.	Online Marketing& Advertising	30/06/2022		
84.	Emerging business models in India	01/07/2022		

Reviewed by Date Remarks

S.No./Lect. No.	Topic	Proposed Date	Actual Date	Remarks
85.	Assignment	02/07/2022		
86	Revision	04/07/2022		
87	Revision	05/07/2022		
88	Revision	06/07/2022		
89	Revision	07/07/2022		
90	Revision	08/07/2022		

Reviewed by Date Remarks

Signature of Faculty Reviewed by Date Remarks

Overall Observation (Problems faced/improvement Suggestions/Recommendation)

Reviewed by H.O.D./Committee Principal