LESSON PLAN (SESSION 2024-25)

CLASS:-BC | **SEM:- IV** | **FACULTY NAME :- Arpita Singh**

Course Title : Software Engineering & Course Code: BCA- 404

S.No.	Date.	Day	Paper No.	Unit Name.	Topic.
1	16-Jan-25	Thursday	1	UNIT 1: Introduction	Characteristics, Components. Applications,
2	17-Jan-25	Friday	1	UNIT 1: Introduction	Characteristics, Components. Applications,
3	18-Jan-25	Saturday	1	UNIT 1: Introduction	Characteristics, Components. Applications,
4	20-Jan-25	Monday	1	UNIT 1: Introduction	Software Development Lifecycle Models: Waterfall, Iterative Waterfall, Spiral.
5	21-Jan-25	Tuesday	1	UNIT 1: Introduction	Software Development Lifecycle Models: Waterfall, Iterative Waterfall, Spiral,
6	22-Jan-25	Wednesday	**PRESENTATION / CLASS TEACHING**		
7	23-Jan-25	Thursday	1	UNIT 1: Introduction	Software Development Lifecycle Models: Waterfall, Iterative Waterfall, Spiral.
8	24-Jan-25	Friday	1	UNIT 1: Introduction	Software Development Lifecycle Models: Waterfall, Iterative Waterfall, Spiral.
9	25-Jan-25	Saturday	1	UNIT 1: Introduction	Concepts of Project Management, Role of Metrics & Measurements
10	27-Jan-25	Monday	1	UNIT 1: Introduction	Concepts of Project Management, Role of Metrics & Measurements
11	28-Jan-25	Tuesday	1	UNIT 1: Introduction	Concepts of Project Management, Role of Metrics & Measurements
12	29-Jan-25	Wednesday	**MONTHY EVALUATION**		
13	30-Jan-25	Thursday	1	UNIT 1: Introduction	Concepts of Project Management, Role of Metrics & Measurements
14	31-Jan-25	Friday	1	UNIT 1: Introduction	Revision
15	1-Feb-25	Saturday	1	UNIT 2: Software Project Planning	Software Project Planning: Objectives
16	4-Feb-25	Tuesday	1	UNIT 2: Software Project Planning	Decomposition techniques: S/W Sizing, Problem-based estimation, Process based
17	5-Feb-25	Wednesday	1	UNIT 2: Software Project Planning	Decomposition techniques: S/W Sizing, Problem-based estimation, Process based
18	6-Feb-25	Thursday	**PRESENTATION / CLASS TEACHING**		
19	7-Feb-25	Friday	1	UNIT 2: Software Project Planning	Decomposition techniques: S/W Sizing, Problem-based estimation, Process based
20	8-Feb-25	Saturday	1	UNIT 2: Software Project Planning	Decomposition techniques: S/W Sizing, Problem-based estimation, Process based
21	10-Feb-25	Monday	1	UNIT 2: Software Project Planning	Cost Estimation Models: COCOMO Model, the S/W Equation, and System
22	11-Feb-25	Tuesday	1	UNIT 2: Software Project Planning	Cost Estimation Models: COCOMO Model, the S/W Equation, and System

23	13-Feb-25	Thursday	1	UNIT 2: Software Project Planning	Cost Estimation Models: COCOMO Model, the S/W Equation, and System
24	14-Feb-25	Friday	**PRESENTATION / CLASS TEACHING**		
25	15-Feb-25	Saturday	1	UNIT 2: Software Project Planning	Cost Estimation Models: COCOMO Model, the S/W Equation, and System
26	17-Feb-25	Monday	1	UNIT 2: Software Project Planning	Revision
27	18-Feb-25	Tuesday	1	UNIT 3: Analysis	Principles of Structured & Object Oriented Analysis, Requirement analysis, DFD, Entity
28	19-Feb-25	Wednesday	1	UNIT 3: Analysis	Principles of Structured & Object Oriented Analysis, Requirement analysis, DFD, Entity
29	20-Feb-25	Thursday	1	UNIT 3: Analysis	Principles of Structured & Object Oriented Analysis, Requirement analysis, DFD, Entity
30	21-Feb-25	Friday	**MONTHY EVALUATION**		
31	22-Feb-25	Saturday	1	UNIT 3: Analysis	Principles of Structured & Object Oriented Analysis, Requirement analysis, DFD, Entity
32	24-Feb-25	Monday	1	UNIT 3: Analysis	Principles of Structured & Object Oriented Analysis, Requirement analysis, DFD, Entity
33	25-Feb-25	Tuesday	1	UNIT 3: Analysis	Principles of Structured & Object Oriented Analysis, Requirement analysis, DFD, Entity
34	27-Feb-25	Thursday	1	UNIT 3: Analysis	Principles of Structured & Object Oriented Analysis, Requirement analysis, DFD, Entity
35	28-Feb-25	Friday	1	UNIT 3: Analysis	Revision
36	1-Mar-25	Saturday	**PRESENTATION / CLASS TEACHING**		
37	3-Mar-25	Monday	1	UNIT 4: Software Design	Software Design: Objectives, Principles; Concepts
38	4-Mar-25	Tuesday	1	UNIT 4: Software Design	Software Design: Objectives, Principles; Concepts
39	5-Mar-25	Wednesday	1	UNIT 4: Software Design	Software Design: Objectives, Principles; Concepts
40	6-Mar-25	Thursday	1	UNIT 4: Software Design	Software Design: Objectives, Principles; Concepts
41	7-Mar-25	Friday	1	UNIT 4: Software Design	Design methodologies: Data design, Architectural Design, procedural design,
42	8-Mar-25	Saturday	**PRESENTATION / CLASS TEACHING**		
43	10-Mar-25	Monday	1	UNIT 4: Software Design	Design methodologies: Data design, Architectural Design, procedural design,
44	11-Mar-25	Tuesday	1	UNIT 4: Software Design	Design methodologies: Data design, Architectural Design, procedural design,
45	17-Mar-25	Monday	1	UNIT 4: Software Design	Design methodologies: Data design, Architectural Design, procedural design,
46	18-Mar-25	Tuesday	1	UNIT 4: Software Design	Design methodologies: Data design, Architectural Design, procedural design,
47	19-Mar-25	Wednesday	1	UNIT 4: Software Design	Design methodologies: Data design, Architectural Design, procedural design,
48	20-Mar-25	Thursday	**PRESENTATION / CLASS TEACHING**		

49	21-Mar-25	Friday	1	UNIT 4: Software Design	Design methodologies: Data design, Architectural Design, procedural design,
50	22-Mar-25	Saturday	1	UNIT 4: Software Design	Design methodologies: Data design, Architectural Design, procedural design,
	24-Mar-25	Monday	**MID - TERM EXAM SCHEDULE**		
	25-Mar-25	Tuesday			
	26-Mar-25	Wednesday			
	27-Mar-25	Thursday			
	28-Mar-25	Friday			
	29-Mar-25	Saturday			
51	1-Apr-25	Tuesday	1	UNIT 5: Software Testing	Software Testing: Objectives, principles, testability
52	2-Apr-25	Wednesday	1	UNIT 5: Software Testing	Software Testing: Objectives, principles, testability
53	3-Apr-25	Thursday	1	UNIT 5: Software Testing	Software Testing: Objectives, principles, testability
54	4-Apr-25	Friday	1	UNIT 5: Software Testing	Test cases: White box & Black box testing, Unit testing, Integration testing
55	5-Apr-25	Saturday	1	UNIT 5: Software Testing	Test cases: White box & Black box testing, Unit testing, Integration testing
56	7-Apr-25	Monday	**PRESENTATION / CLASS TEACHING**		
57	8-Apr-25	Tuesday	1	UNIT 5: Software Testing	Test cases: White box & Black box testing, Unit testing, Integration testing
58	9-Apr-25	Wednesday	1	UNIT 5: Software Testing	Test cases: White box & Black box testing, Unit testing, Integration testing
59	11-Apr-25	Friday	1	UNIT 5: Software Testing	Test cases: White box & Black box testing Unit testing, Integration testing
60	12-Apr-25	Saturday	1	UNIT 5: Software Testing	Test cases: White box & Black box testing, Unit testing, Integration testing
61	15-Apr-25	Tuesday	1	UNIT 5: Software Testing	Test cases: White box & Black box testing, Unit testing, Integration testing,
62	16-Apr-25	Wednesday	**PRESENTATION / CLASS TEACHING**		
63	17-Apr-25	Thursday	1	UNIT 5: Software Testing	testing strategies: verification & validation, unit test, integration testing, validation
64	19-Apr-25	Saturday	1	UNIT 5: Software Testing	testing strategies: verification & validation, unit test, integration testing, validation
65	21-Apr-25	Monday	1	UNIT 5: Software Testing	testing strategies: verification & validation, unit test, integration testing, validation
66	22-Apr-25	Tuesday	1	UNIT 5: Software Testing	testing strategies: verification & validation, unit test, integration testing, validation
67	23-Apr-25	Wednesday	1	UNIT 5: Software Testing	testing strategies: verification & validation, unit test, integration testing, validation
68	24-Apr-25	Thursday	**MONTHY EVALUATION**		

69	25-Apr-25	Friday	1	UNIT 5: Software Testing	testing strategies: verification & validation, unit test, integration
70	26-Apr-25	Saturday	1	UNIT 5: Software Testing	testing strategies: verification & validation, unit test, integration testing, validation
71	28-Apr-25	Monday	1	UNIT 5: Software Testing	testing strategies: verification & validation, unit test, integration testing, validation
72	29-Apr-25	Tuesday	1	UNIT 1 and 2	Revision
73	30-Apr-25	Wednesday	1	UNIT 3 and 4	Revision