

Dr. B.R. Ambedkar Govt. Polytechnic Ambota (H.P.)

Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : CC (Program Elective-IV (Cloud Computing Tech.))

Session : Jul - 2026

Teacher : Anjana Chaudhary

Month : 8/1/2026 (11)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (If any)	Signature with Date
1.	06-Aug-26	2	Orientation			
2.	10-Aug-26	1	Computing Paradigms: Personal Computing, Distributed Computing			
3.	12-Aug-26	1	Cluster Computing, Grid Computing,			
4.	13-Aug-26	2	Utility Computing, Evolution of Cloud Computing			
5.	17-Aug-26	1	NIST Definition of Cloud Computing			
6.	19-Aug-26	1	Enabling Technologies in Cloud Computing			
7.	20-Aug-26	2	Essential Characteristics : On-Demand Self-Service, Broad Network Access			
8.	24-Aug-26	1	Resource Pooling, Rapid Elasticity, Measured Service			
9.	26-Aug-26	1	Advantages, Disadvantages, Applications of Cloud Computing			
10.	27-Aug-26	2	Challenges in Cloud Computing, Cloud Computing Impact on Environment			
11.	31-Aug-26	1	Revision of Unit-1			

Signature :

Teacher Name :

Anjana Chaudhary

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MONTHLY REVIEW BY THE HEAD OF DEPARTMENT/ PRINCIPAL

Dr. B.R. Ambedkar Govt. Polytechnic Ambota (H.P.)

Lesson Planning

Branch : **Computer Engineering**

THEORY

Semester : **5**

Subject : **CC (Program Elective-IV (Cloud Computing Tech.))**

Session : **Jul - 2026**

Teacher : **Anjana Chaudhary**

Month : **9/1/2026 (13)**

Class Room : **602**

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
12.	02-Sep-26	1	Service Models: Software as a Service (SaaS)			
13.	03-Sep-26	2	Platform as a Service (PaaS), Infrastructure as a Service (IaaS)			
14.	07-Sep-26	1	Characteristics, Benefits *Assignment 1 - Due on 09-Sep-2026			
15.	09-Sep-26	1	Applications and Popular Vendors for SaaS, PaaS, and IaaS			
16.	10-Sep-26	2	Class Test - 1			
17.	14-Sep-26	1	Applications and Popular Vendors for SaaS, PaaS, and IaaS			
18.	16-Sep-26	1	Deployment Models : Private Cloud			
19.	17-Sep-26	2	Community Cloud, Public Cloud, Hybrid Cloud			
20.	21-Sep-26	1	Advantages and Disadvantages of Private, Community, Public and Hybrid Clouds.			
21.	23-Sep-26	1	Revision of Unit-2			
22.	24-Sep-26	2	Virtualization, Advantages and Disadvantages of Virtualization			
23.	28-Sep-26	1	Types of Virtualization: Full Virtualization			
24.	30-Sep-26	1	Para-Virtualization, OS-Level Virtualization			

Signature :

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Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : CC (Program Elective-IV (Cloud Computing Tech.))

Session : Jul - 2026

Teacher : Anjana Chaudhary

Month : 10/1/2026 (12)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
25.	01-Oct-26	2	Pitfalls of Virtualization			
26.	05-Oct-26	1	Type I and Type II Hypervisors, Containers			
27.	07-Oct-26	1	Virtual Machine Life cycle *Assignment 2 - Due on 12-Oct-2026			
28.	08-Oct-26	2	Class Test - 2			
29.	12-Oct-26	1	Examples of Virtualization Platforms - VMWare			
30.	14-Oct-26	1	Virtual Machine Migration - Live and Cold Migrations			
31.	15-Oct-26	2	Revision of Unit-3			
32.	19-Oct-26	1	Compute Services			
33.	21-Oct-26	1	Storage Services, Database Services			
34.	22-Oct-26	2	Application Services, Identity & Access Management Services,			
35.	28-Oct-26	1	Content Delivery Services, Deployment & Management Services			
36.	29-Oct-26	2	Introduction to Selected AWS Services - EC2, S3			

Signature :

Teacher Name :

Anjana Chaudhary

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MONTHLY REVIEW BY THE HEAD OF DEPARTMENT/ PRINCIPAL

Lesson Planning

Semester : 5

Session : Jul - 2026

Class Room : 602

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Lesson Planning

Class Room : 602

MONTHLY REVIEW BY THE HEAD OF DEPARTMENT/ PRINCIPAL

Dr. B.R. Ambedkar Govt. Polytechnic Ambota (H.P.)

Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : CL&E (Open Elective-I (Cyber Laws & Ethics))

Session : Jul - 2026

Teacher : Madhu Dhiman

Month : 9/1/2026 (18)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
15.	01-Sep-26	2	Challenges in Cybersecurity			
16.	02-Sep-26	5	Cybersecurity Framework			
17.	03-Sep-26	5	Cybercrime - Hacking, Phishing			
18.	04-Sep-26	6	Fraud Emails, Identity Theft			
19.	08-Sep-26	2	Ransomware, Cyber Stalking/ Harassment			
20.	09-Sep-26	5	Cyberbullying, Pornography			
21.	10-Sep-26	5	Cyber Terrorism, Cyber Defamation			
22.	11-Sep-26	6	Class Test-1			
23.	15-Sep-26	2	Combating and Preventing Cyber Crime			
24.	16-Sep-26	5	Prevention from Cybercrime using self-regulation			
25.	17-Sep-26	5	National Cyber Security Strategy			
26.	18-Sep-26	6	Revision of Unit-2 *Assignment 1 - Due on 15-Sep-2026			
27.	22-Sep-26	2	Data Protection			
28.	23-Sep-26	5	Right to Privacy and Data Protection			
29.	24-Sep-26	5	Intellectual Property Right (IPR)			
30.	25-Sep-26	6	Copyright			
31.	29-Sep-26	2	Patent			
32.	30-Sep-26	5	Trademark			
33.	17-Sep-26	5	Revision of Unit-2			
34.	18-Sep-26	6	Assignment 1 - Due on 15-Sep-2026			
35.	Signature :	2	Madhu Dhiman			
36.	Teacher Name :		Madhu Dhiman			
37.			H.O.D./PPL			

MONTHLY REVIEW BY THE HEAD OF DEPARTMENT/ PRINCIPAL

20. 24-Sep-26 5 Intellectual Property (IPR)

21. 25-Sep-26 6 Copyright

Dr. B.R. Ambedkar Govt. Polytechnic Ambota (H.P.)

Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : CL&E (Open Elective-I (Cyber Laws & Ethics))

Session : Jul - 2026

Teacher : Madhu Dhiman

Month : 10/1/2026 (16)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
33.	01-Oct-26	5	Scopes of Copyrights			
34.	06-Oct-26	2	Patents and Trademark			
35.	07-Oct-26	5	Class Test 2			
36.	08-Oct-26	5	Violation of IPR - Plagiarism			
37.	09-Oct-26	6	Copyright Infringement			
38.	13-Oct-26	2	Trademark Infringement			
39.	14-Oct-26	5	Revision of Unit -3			
40.	15-Oct-26	5	Major Provisions for Cybercrime under Indian Penal Code (IPC)			
41.	16-Oct-26	6	Indian IT Act-2000 (Sections:65, 66, 67, 69)			
42.	21-Oct-26	5	Digital Personal Data Protection Act 2023			
43.	22-Oct-26	5	Intellectual Property Rights			
44.	23-Oct-26	6	Patent Law			
45.	27-Oct-26	2	Copyright Law			
46.	28-Oct-26	5	Digital Signatures			
47.	29-Oct-26	5	Revision of Unit -4			
48.	30-Oct-26	6	Seminar on chapter topics			

Signature :

Teacher Name :

Madhu Dhiman

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Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : CL&E (Open Elective-I (Cyber Laws & Ethics))

Session : Jul - 2026

Teacher : Madhu Dhiman

Month : 11/1/2026 (11)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (If any)	Signature with Date
49.	10-Nov-26	2	Seminar on chapter topics			
50.	11-Nov-26	5	Seminar on chapter topics			
51.	12-Nov-26	5	Seminar on chapter topics *Assignment 3 - Due on 10-Nov-2026			
52.	13-Nov-26	6	Seminar on chapter topics			
53.	17-Nov-26	2	Revision			
54.	18-Nov-26	5	Revision			
55.	19-Nov-26	5	Revision			
56.	20-Nov-26	6	Revision			
57.	25-Nov-26	5	Revision			
58.	26-Nov-26	5	Revision			
59.	27-Nov-26	6	Revision			
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Signature :

Teacher Name :

Madhu Dhiman

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H.O.D./PPL

Dr. B.R. Ambedkar Govt. Polytechnic Ambota (H.P.)

Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : SE (Software Engineering)

Session : Jul - 2026

Teacher : Pooja Thakur

Month : 8/1/2026 (14)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
1.	06-Aug-26	6	Orientation			
2.	10-Aug-26	6	Software Definition, Software Characteristics			
3.	11-Aug-26	6	Software Crisis, Attributes of Good Software, Program Versus Product			
4.	12-Aug-26	6	Exploratory Style of Software Development, Shortcomings			
5.	13-Aug-26	6	SDLC , Software Framework			
6.	17-Aug-26	6	Framework Activities, Software Application Domains			
7.	18-Aug-26	6	Embedded Software, Web Applications.			
8.	19-Aug-26	6	Revision Chapter-1			
9.	20-Aug-26	6	Classical Models - Waterfall Model, Iterative Waterfall Model			
10.	24-Aug-26	6	V-Model, Prototyping Model			
11.	25-Aug-26	6	Incremental Model, Evolutionary Model *Assignment 1 - Due on 31/08/2026			
12.	26-Aug-26	6	Rapid Application Development (RAD)			
13.	27-Aug-26	6	Agile Development Models - Extreme Programming			
14.	31-Aug-26	6	Scrum, Lean			

Signature :

Teacher Name :

Pooja Thakur

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Dr. B.R. Ambedkar Govt. Polytechnic Ambota (H.P.)

Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : SE (Software Engineering)

Session : Jul - 2026

Teacher : Pooja Thakur

Month : 9/1/2026 (18)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
15.	01-Sep-26	6	Spiral Model			
16.	02-Sep-26	6	Revision Chapter-2			
17.	03-Sep-26	6	Software Project Manager - Skills and Responsibilities			
18.	07-Sep-26	6	Project Planning – Sliding Window & SPMP Planning			
19.	08-Sep-26	6	Class Test - 1			
20.	09-Sep-26	6	Project Size Estimation - Lines of Code, Function Point			
21.	10-Sep-26	6	Project Estimation Techniques - Empirical, Heuristic			
22.	14-Sep-26	6	Project Estimation Techniques - Analytical Estimation Techniques			
23.	15-Sep-26	6	Expert Judgment, COCOMO, COCOMO 2			
24.	16-Sep-26	6	Project Scheduling - PERT and Gantt Charts			
25.	17-Sep-26	6	Staffing, Risk Management			
26.	21-Sep-26	6	Software Configuration Management			
27.	22-Sep-26	6	Revision Chapter-3			
28.	23-Sep-26	6	Requirements Gathering, Requirement Elicitation Techniques			
29.	24-Sep-26	6	Requirements Analysis *Assignment 2 - Due on 30/09/2026			
30.	28-Sep-26	6	Software Requirements Specification (SRS) - Role of SRS			
31.	29-Sep-26	6	Characteristics of SRS Document, Functional and Non-functional Requirements			
32.	30-Sep-26	6	Traceability.			

Signature :

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Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : SE (Software Engineering)

Session : Jul - 2026

Teacher : Pooja Thakur

Month : 10/1/2026 (15)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
33.	01-Oct-26	6	Revision Chapter-4			
34.	05-Oct-26	6	Overview of the Design Process			
35.	06-Oct-26	6	Class Test - 2			
36.	07-Oct-26	6	Outcome of the Design Process			
37.	08-Oct-26	6	Abstraction			
38.	12-Oct-26	6	Design Pattern			
39.	13-Oct-26	6	Classification of Design Methodologies			
40.	14-Oct-26	6	Cohesion and Coupling			
41.	15-Oct-26	6	Software Design Approaches - Function-oriented			
42.	19-Oct-26	6	Software Design Approaches - Object Oriented			
43.	21-Oct-26	6	User Interface Design			
44.	22-Oct-26	6	User Experience. *Assignment 3 - Due on 29/10/2026			
45.	27-Oct-26	6	Revision Chapter-5			
46.	28-Oct-26	6	Revision Chapter-5			
47.	29-Oct-26	6	Software Coding			

Signature :

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Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : SE (Software Engineering)

Session : Jul - 2026

Teacher : Pooja Thakur

Month : 11/1/2026 (11)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
48.	09-Nov-26	6	Coding Standards			
49.	10-Nov-26	6	Code Review - Code Walkthrough			
50.	11-Nov-26	6	Code Inspection			
51.	12-Nov-26	6	Software Documentation			
52.	16-Nov-26	6	Software Testing: Testing Activities			
53.	17-Nov-26	6	Unit, Integration			
54.	18-Nov-26	6	System Testing			
55.	19-Nov-26	6	Acceptance Testing			
56.	23-Nov-26	6	Black Box and White Box Testing.			
57.	25-Nov-26	6	Revision Chapter-6			
58.	26-Nov-26	6	Revision Chapter-6			

Signature :

Teacher Name :

Pooja Thakur

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MONTHLY REVIEW BY THE HEAD OF DEPARTMENT/ PRINCIPAL

Dr. B.R. Ambedkar Govt. Polytechnic Ambota (H.P.)

Lesson Planning

PRACTICALS

Graphics and Animation

Group : 1 (20)

Semester : 5

Session : Jul - 2026

Lab : CC

Branch : Computer Engineering

Subject : G&A

Teacher : Pooja Thakur

SNo.	Date	Period	Pr. No.	Practical	Actual Date of Performance	Reason for Rescheduling (if any)	Signature with Date
1.	10-Aug-26	3	0	Orientation			
2.	11-Aug-26	3	1	Identify and understand functions of major regions of the Photoshop workspace			
3.	17-Aug-26	3	1	Identify and understand functions of major regions of the Photoshop workspace			
4.	18-Aug-26	3	2	Open and navigate Photoshop document with menu commands, Zoom, Hand Tool & Navigator Panel.			
5.	24-Aug-26	3	2	Open and navigate Photoshop document with menu commands, Zoom, Hand Tool & Navigator Panel.			
6.	25-Aug-26	3	V	Report Checking and Viva			
7.	31-Aug-26	3	3	Create a layered Photoshop document from a provided starting image.			
8.	01-Sep-26	3	3	Create a layered Photoshop document from a provided starting image.			
9.	07-Sep-26	3	4	Differentiate among monitor, document, printer resolutions, understand when to use each			
10.	08-Sep-26	3	4	Differentiate among monitor, document, printer resolutions, understand when to use each			
11.	14-Sep-26	3	V	Report Checking and Viva			
12.	15-Sep-26	3	5	Exploring Adobe Illustrator			
13.	21-Sep-26	3	5	Exploring Adobe Illustrator			
14.	22-Sep-26	3	5	Exploring Adobe Illustrator			
15.	28-Sep-26	3	V	Report Checking and Viva			
16.	29-Sep-26	3	6	To set up a new document using rulers, guides & grids.			
17.	05-Oct-26	3	6	To set up a new document using rulers, guides & grids.			
18.	06-Oct-26	3	7	To draw & transform objects: rectangles, squares, ovals, circles, polygons, stars.			
19.	12-Oct-26	3	7	To draw & transform objects: rectangles, squares, ovals, circles, polygons, stars.			
20.	13-Oct-26	3	8	To make & save selections: using the selection tool, lasso tool, magic wand tool.			

Signature :

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Pooja Thakur

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Dr. B.R. Ambedkar Govt. Polytechnic Ambota (H.P.)

Lesson Planning

Branch : Computer Engineering

Subject : **G&A**

Teacher : **Pooja Thakur**

Graphics and Animation

Group : 1 (07)

Semester : 5

Session : Jul - 2026

Lab : CC

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Signature :

Teacher Name :

Pooja Thakur

HOD/PPL

MONTHLY REVIEW BY THE HEAD OF DEPARTMENT