

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

Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : JAVA (Program Elective-III (OOP using Java))

Session : Jul - 2024

Teacher : Madhu Dhiman

Month : Aug-2024 (08)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
1.	12-Aug-24	1	Orientation			
2.	14-Aug-24	2	Background and foundation			
3.	17-Aug-24	2	Procedure-oriented programming vs object-oriented programming (OOP)			
4.	19-Aug-24	1	Advantages of OOP , concept of objects and classes			
5.	21-Aug-24	2	Essential characteristics of OOP languages			
6.	24-Aug-24	2	Brief history of Java and features of Java			
7.	28-Aug-24	2	Java programming terminology			
8.	31-Aug-24	2	Java Compiler , Interpreter and Coding Conventions			

Signature :



Teacher Name :

Madhu Dhiman



H.O.D./PPL

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

Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : JAVA (Program Elective-III (OOP using Java))


Session : Jul - 2024

Teacher : Madhu Dhiman

Month : Sep-2024 (12)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with
9.	02-Sep-24	1	Revision of Unit-I			
10.	04-Sep-24	2	Structure of a typical Java program,			
11.	07-Sep-24	2	Java tokens			
12.	09-Sep-24	1	Java statements, variables *Assignment 1 - Due on 16/09/2024			
13.	11-Sep-24	2	Class test			
14.	16-Sep-24	1	Data Types , Console based I/O			
15.	18-Sep-24	2	Operators			
16.	21-Sep-24	2	Operators precedence and associativity			
17.	23-Sep-24	1	Revision of Unit-II			
18.	25-Sep-24	2	Selection control structures			
19.	28-Sep-24	2	Looping control structures			
20.	30-Sep-24	1	Jump statements			

Signature : 

Teacher Name : Madhu Dhiman


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Lesson Planning

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THEORY

Semester : 5

Subject : JAVA (Program Elective-III (OOP using Java))

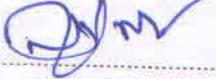

Session : Jul - 2024

Teacher : Madhu Dhiman

Month : Oct-2024 (09)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signa with I
21.	05-Oct-24	2	Revision of Unit-III			
22.	07-Oct-24	1	Basic OOP concepts – class, instance variables, methods, object			
23.	09-Oct-24	2	constructor			
24.	14-Oct-24	1	Creating objects, static members *Assignment 2 - Due on 19/10/2024			
25.	16-Oct-24	2	Class test			
26.	19-Oct-24	2	Final variables and methods, final classes			
27.	21-Oct-24	1	Garbage collection, finalizer method			
28.	23-Oct-24	2	Packages			
29.	26-Oct-24	2	Access modifiers, wrapper classe			

Signature : 
Teacher Name : Madhu Dhiman  H.O.D./PPL

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THEORY

Semester : 5

Subject : JAVA (Program Elective-III (OOP using Java))

Session : Jul - 2024

Teacher : Madhu Dhiman

Month : Nov-2024 (11)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with
30.	02-Nov-24	2	Polymorphism			
31.	04-Nov-24	1	Inheritance			
32.	06-Nov-24	2	Abstract methods and classes			
33.	11-Nov-24	1	Revision of Unit-IV *Assignment 3 - Due on 20/11/2024			
34.	16-Nov-24	2	Arrays : one dimensional and multi dimensional			
35.	18-Nov-24	1	Strings and its various functions			
36.	20-Nov-24	2	Exception handling			
37.	23-Nov-24	2	User defined exceptions			
38.	25-Nov-24	1	throw and throws statement			
39.	27-Nov-24	2	Revision of Unit-V			
40.	30-Nov-24	2	Revision			

Signature :



Teacher Name :

Madhu Dhiman



H.O.D./PPL

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

Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : JAVA (Program Elective-III (OOP using Java))

Session : Jul - 2024

Teacher : Madhu Dhiman

Month : Dec-2024 (01)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
41.	02-Dec-24	1	Revision			

Signature :

Teacher Name :

Madhu Dhiman

H.O.D./PPL

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

Lesson Planning

PRACTICALS

Branch : Computer Engineering

Subject : JAVA

Program Elective-III (OOP using Java)

Semester : 5

Session : Jul - 2024

Teacher : Madhu Dhiman

Group : 1 (20)

Lab :

SNo.	Date	Pr. No.	Practical	Actual Date of Performance	Reason for Rescheduling (if any)	Signature with Date
1.	14-Aug-24	1	Orientation			
2.	17-Aug-24	2A	To install and configure JDK on a Windows/ Linux based computer system.			
3.	21-Aug-24	2B	To display a simple message like "Hello Java !" on the computer monitor.			
4.	24-Aug-24	V	Viva			
5.	28-Aug-24	3A	To demonstrate the use of various operators			
6.	31-Aug-24	V	Viva			
7.	04-Sep-24	4A	To demonstrate the use of different control statements:			
8.	07-Sep-24	4B	To display the grade of a student based on the marks obtained using 'if...else if' ladder			
9.	11-Sep-24	4C	To compute the factorial of a given number using while loop			
10.	18-Sep-24	4D	To implement a menu-driven calculator using do...while and switch...case statements.			
11.	21-Sep-24	4E	To determine the largest element in a 1-dimensional array using for each loop			
12.	25-Sep-24	V	Viva			
13.	28-Sep-24	5A	To define a class and create its objects.			
14.	05-Oct-24	5B	To demonstrate the use of constructor and finalizer methods of a class.			
15.	09-Oct-24	5C	To create a hierarchy of packages.			
16.	16-Oct-24	V	Viva			
17.	19-Oct-24	6A	To inherit new classes from existing Java classes			
18.	23-Oct-24	6B	To demonstrate the use of different access modifiers.			
19.	26-Oct-24	V	Viva			
20.	02-Nov-24	7A	To demonstrate method overloading			

Signature :

Teacher Name : Madhu Dhiman

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

Lesson Planning

Branch : Computer Engineering

PRACTICALS

Semester : 5

Subject : JAVA

Program Elective-III (OOP using Java)

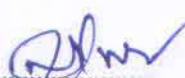
Session : Jul - 2024

Teacher : Madhu Dhiman

Group : 1 (06)

Lab :

SNo.	Date	Pr. No.	Practical	Actual Date of Performance	Reason for Rescheduling (if any)	Signature with Date
21.	06-Nov-24	7B	To demonstrate method overriding.			
22.	16-Nov-24	8A	To demonstrate the use of abstract methods and abstract classes			
23.	20-Nov-24	8B	To demonstrate the use of multiple inheritance using interfaces.			
24.	23-Nov-24	9A	To demonstrate the use of arrays.			
25.	27-Nov-24	9B	To demonstrate the use of various string functions			
26.	30-Nov-24	9C	To demonstrate the exception handling mechanism of Java.			

Signature : 
Teacher Name : Madhu Dhiman


HOD/PPL

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

Lesson Planning

PRACTICALS

Branch : Computer Engineering

Subject : JAVA

Program Elective-III (OOP using Java)

Semester : 5

Session : Jul - 2024

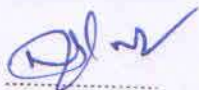
Teacher : Madhu Dhiman

Group : 2 (20)

Lab :

SNo.	Date	Pr. No.	Practical	Actual Date of Performance	Reason for Rescheduling (if any)	Sign with
1.	13-Aug-24	1	Orientation			
2.	20-Aug-24	2A	To install and configure JDK on a Windows/ Linux based computer system.			
3.	22-Aug-24	2B	To display a simple message like "Hello Java !" on the computer monitor.			
4.	27-Aug-24	V	Viva			
5.	29-Aug-24	3A	To demonstrate the use of various operators			
6.	03-Sep-24	V	Viva			
7.	05-Sep-24	4A	To demonstrate the use of different control statements:			
8.	10-Sep-24	4B	To display the grade of a student based on the marks obtained using 'if...else if' ladder			
9.	12-Sep-24	4C	To compute the factorial of a given number using while loop			
10.	17-Sep-24	4D	To implement a menu-driven calculator using do...while and switch...case statements.			
11.	19-Sep-24	4E	To determine the largest element in a 1-dimensional array using for each loop			
12.	24-Sep-24	V	Viva			
13.	26-Sep-24	5A	To define a class and create its objects.			
14.	01-Oct-24	5B	To demonstrate the use of constructor and finalizer methods of a class.			
15.	03-Oct-24	5C	To create a hierarchy of packages.			
16.	08-Oct-24	V	Viva			
17.	10-Oct-24	6A	To inherit new classes from existing Java classes			
18.	15-Oct-24	6B	To demonstrate the use of different access modifiers.			
19.	22-Oct-24	V	Viva			
20.	24-Oct-24	7A	To demonstrate method overloading			

Signature :



Teacher Name : Madhu Dhiman

HOD/PPL



LESSON PLAN

Program Name	CIVIL ENGG.
Course/Subject Name	OPEN ELECTIVE - 1 / PROJECT MANAGEMENT
Course/Subject Code	CEOE301
Course/Subject Coordinator Name	AMANDEEP SINGH

Evaluation scheme

S.No.	Subject Name	Study scheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	PROJECT MANAGEMENT	TH [3+1(DCS)]	40	-	60	-
	Reference books		<ul style="list-style-type: none"> • Project planning, analysis, selection, implementation and review – Prasannachandra – Tata McGraw Hill • Project Management – the Managerial Process – Clifford F. Gray & Erik W. Larson – McGraw Hill 27 • Project management - David I Cleland - McGraw Hill International Edition, 1999 • Project Management – Gopala Krishnan – McMillan India Ltd. • Project Management-Harry-Maylor-Pearson 			

Course Outcomes: After the completion of the course the student will be able to:

- Understand the importance of projects and its phases.
- Analyze projects from marketing, operational and financial perspectives.
- Evaluate projects based on discount and non-discount methods.
- Develop network diagrams for planning and execution of a given project.
- Apply crashing procedures for time and cost optimization.

Teaching Plan:

S. No.	Topic Covered	Proposed date	Actual Date	Remarks
1.	Classification of projects- importance of project management.	14-08-2024		
2.	The project life cycle	16-08-2024		
3.	establishing project priorities (scope-cost-time)	16-08-2024		
4.	Doubt Clearing Session	21-08-2024		
5.	project priority matrix- work break down structure	22-08-2024		
6.	Revision Class	23-08-2024		
7.	Planning Analysis- Selection-Financing-Implementation-Review	23-08-2024		
8.	Doubt Clearing Session	28-08-2024		
9.	Generation and screening of project ideas	29-08-2024		
10.	market and demand analysis	30-08-2024		
11.	Demand forecasting techniques.	30-08-2024		
12.	Doubt Clearing Session			
13.	Market planning and marketing research process- Technical analysis	04-09-2024		
14.	Revision Class	05-09-2024		
15.	Cost of projects-means of financing-estimates of sales	06-09-2024		
16.	Doubt Clearing Session	06-09-2024		
17.	production-cost of production	11-09-2024		
18.	working capital requirement	12-09-2024		
19.	and its financing-profitability projected cash flow statement and balance sheet	13-09-2024		
20.	Doubt Clearing Session	13-09-2024		
21.	Break even analysis.	18-09-2024		
22.	Revision Class	19-09-2024		
23.	Non discounting and discounting methods	20-09-2024		
24.	Doubt Clearing Session	20-09-2024		
25.	payback period	25-09-2024		
26.	Accounting rate of return	26-09-2024		
27.	net present value	27-09-2024		
28.	Doubt Clearing Session	27-09-2024		
29.	Benefit cost ratio	03-10-2024		
30.	internal rate of return	04-10-2024		
31.	Project risk	04-10-2024		
32.	Doubt Clearing Session	09-10-2024		
33.	Social cost benefit analysis	10-10-2024		
34.	and economic rate of return	11-10-2024		
35.	Non-financial justification of projects.	11-10-2024		
36.	Doubt Clearing Session	16-10-2024		
37.	Revision Class	18-10-2024		
38.	Progress payments,	18-10-2024		
39.	expenditure planning	23-10-2024		
40.	Doubt Clearing Session	24-10-2024		
41.	project scheduling	25-10-2024		
42.	and network planning	25-10-2024		
43.	use of Critical Path Method (CPM)	30-10-2024		
44.	Doubt Clearing Session	01-11-2024		
45.	schedule of payments	01-11-2024		
46.	and physical progress	06-11-2024		
47.	time-cost trade off	07-11-2024		

	Doubt Clearing Session	08-11-2024	
	Concepts and uses of PERT	08-11-2024	
50.	cost as a function of time	13-11-2024	
51.	Project Evaluation and Review Techniques	14-11-2024	
52.	Doubt Clearing Session	20-11-2024	
53.	cost mechanisms	21-11-2024	
54.	Determination of least cost duration	22-11-2024	
55.	Post project evaluation	22-11-2024	
56.	Doubt Clearing Session	27-11-2024	
57.	Revision Class	28-11-2024	
58.	Revision Class	29-11-2024	
59.	Revision Class	29-11-2024	

Assignments:

Assignment serial	Contents of syllabus covered	Proposed date	Actual date	Remarks
A-1	UNIT-I: Concept of a project UNIT-II: Capital budgeting process	30-08-2024		
A-2	UNIT-III: Financial estimates and projections UNIT-IV: Basic techniques in capital budgeting	03-10-2024		

House Test/Class Test:

House/Class Test	Contents of syllabus covered	Proposed date	Actual date	Remarks
CT-I	30% of the syllabus	As per Academic Calender		
CT-II	Next 30% of the syllabus	As per Academic Calender		
House Test	80% of the syllabus	As per Academic Calender		

(Signature of Teacher)

(Signature of HOD)

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

Lesson Planning

Branch : Computer Engineering

THEORY

Semester : 5

Subject : EGOV (Introduction to e-Governance)

Session : Jul - 2024

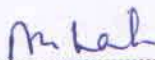
Teacher : Ashish Kalia

Month : Sep-2024 (16)

Class Room : 602

Lect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
11.	02-Sep-24	2	Need for Government Process Re-engineering (GPR)			
12.	03-Sep-24	3	Need for Government Process Re-engineering (GPR)			
13.	05-Sep-24	6	National e-Governance Plan(NeGP) for India			
14.	07-Sep-24	1	National e-Governance Plan(NeGP) for India *Assignment 1 - Due on 09-Sep-2024			
15.	09-Sep-24	2	National e-Governance Plan(NeGP) for India			
16.	10-Sep-24	3	Class Test-1			
17.	12-Sep-24	6	SMART Governments & Thumb Rules			
18.	16-Sep-24	2	SMART Governments & Thumb Rules			
19.	17-Sep-24	3	SMART Governments & Thumb Rules			
20.	19-Sep-24	6	Revision of Unit 2			
21.	21-Sep-24	1	Architecture and models of e-Governance			
22.	23-Sep-24	2	Architecture and models of e-Governance			
23.	24-Sep-24	3	Architecture and models of e-Governance			
24.	26-Sep-24	6	Need for Innovation and Change Management in e-Governance			
25.	28-Sep-24	1	Need for Innovation and Change Management in e-Governance			
26.	30-Sep-24	2	Need for Innovation and Change Management in e-Governance			

Signature :



Teacher Name :

Ashish Kalia

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H.O.D./PPL

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 : **EGOV (Introduction to e-Governance)**

Session : **Jul - 2024**

Teacher : **Ashish Kalia**

Month : **Oct-2024 (13)**

Class Room : **602**

Sect. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
27.	01-Oct-24	3	Critical Success Factors			
28.	03-Oct-24	6	Critical Success Factors			
29.	05-Oct-24	1	Major issues in e-Governance: Corruption, Resistance for change			
30.	07-Oct-24	2	Major issues in e-Governance: Corruption, Resistance for change			
31.	08-Oct-24	3	Major issues in e-Governance: e-Security			
32.	10-Oct-24	6	Major issues in e-Governance: Cyber laws *Assignment 2 - Due on 14-Oct-2024			
33.	14-Oct-24	2	Revision of Unit 3			
34.	15-Oct-24	3	Class Test-2			
35.	19-Oct-24	1	Focusing on Indian initiatives and their impact on citizens			
36.	21-Oct-24	2	Focusing on Indian initiatives and their impact on citizens			
37.	22-Oct-24	3	Focusing on Indian initiatives and their impact on citizens			
38.	24-Oct-24	6	Focusing on Indian initiatives and their impact on citizens			
39.	26-Oct-24	1	Sharing of case studies to highlight best practices in managing e-Governance projects in Indian context			

Signature :

M. Kalia

Teacher Name :

Ashish Kalia

[Signature]

H.O.D./PPL

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 : EGOV (Introduction to e-Governance)

Session : Jul - 2024

Teacher : Ashish Kalia

Month : Nov-2024 (14)

Class Room : 602

Sl. No.	Date	Period	Topics Covered/ Activities Carried Out	Actual Coverage Date	Reason for Rescheduling (if any)	Signature with Date
40.	02-Nov-24	1	Sharing of case studies to highlight best practices in managing e-Governance projects in Indian context			
41.	04-Nov-24	2	Sharing of case studies to highlight best practices in managing e-Governance projects in Indian context			
42.	05-Nov-24	3	Sharing of case studies to highlight best practices in managing e-Governance projects in Indian context			
43.	07-Nov-24	6	Visits to local e-governance sites			
44.	11-Nov-24	2	Visits to local e-governance sites			
45.	16-Nov-24	1	Revision of Unit 4			
46.	18-Nov-24	2	Mini Projects by students in groups *Assignment 3 - Due on 21-Nov-2024			
47.	19-Nov-24	3	Mini Projects by students in groups – primarily evaluation of various e-governance project			
48.	21-Nov-24	6	Mini Projects by students in groups – primarily evaluation of various e-governance project			
49.	23-Nov-24	1	Mini Projects by students in groups – primarily evaluation of various e-governance project			
50.	25-Nov-24	2	Mini Projects by students in groups – primarily evaluation of various e-governance project			
51.	26-Nov-24	3	Mini Projects by students in groups – primarily evaluation of various e-governance project			
52.	28-Nov-24	6	Mini Projects by students in groups – primarily evaluation of various e-governance project			
53.	30-Nov-24	1	Mini Projects by students in groups – primarily evaluation of various e-governance project			

Signature :

Ashish Kalia

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Teacher Name :

Ashish Kalia

H.O.D./PPL

MONTHLY REVIEW BY THE HEAD OF DEPARTMENT/ PRINCIPAL

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

Lesson Planning

Branch : Computer Engineering

PRACTICALS

Semester : 5

Subject : IOT

Program Elective-IV (Internet of Things)

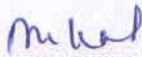
Session : Jul - 2024

Teacher : Ashish Kalia

Group : 1 (20)

Lab :

No.	Date	Pr. No.	Practical	Actual Date of Performance	Reason for Rescheduling (if any)	Signature with Date
1.	13-Aug-24	1	Orientation			
2.	16-Aug-24	2	To use resistances, LEDs, battery, push button, breadboard and potentiometer in a circuit on the			
3.	20-Aug-24	2	To use resistances, LEDs, battery, push button, breadboard and potentiometer in a circuit on the			
4.	23-Aug-24	2	To use resistances, LEDs, battery, push button, breadboard and potentiometer in a circuit on the			
5.	27-Aug-24	3	To study the major components available on the Arduino UNO board and develop an Arduino Sketch			
6.	30-Aug-24	3	To study the major components available on the Arduino UNO board and develop an Arduino Sketch			
7.	03-Sep-24	3	To study the major components available on the Arduino UNO board and develop an Arduino Sketch			
8.	06-Sep-24	4	To interface basic sensors and actuators with Arduino UNO.			
9.	10-Sep-24	4	To interface basic sensors and actuators with Arduino UNO.			
10.	13-Sep-24	4	To interface basic sensors and actuators with Arduino UNO.			
11.	17-Sep-24	5	To switch ON/OFF an electric bulb with and without Bluetooth/WiFi module using Arduino UNO and			
12.	20-Sep-24	5	To switch ON/OFF an electric bulb with and without Bluetooth/WiFi module using Arduino UNO and			
13.	24-Sep-24	5	To switch ON/OFF an electric bulb with and without Bluetooth/WiFi module using Arduino UNO and			
14.	27-Sep-24	6	To send a sensor's data to the cloud (ThingSpeak/UBIDOTS/any other cloud) using			
15.	01-Oct-24	6	To send a sensor's data to the cloud (ThingSpeak/UBIDOTS/any other cloud) using			
16.	04-Oct-24	6	To send a sensor's data to the cloud (ThingSpeak/UBIDOTS/any other cloud) using			
17.	08-Oct-24	6	To send a sensor's data to the cloud (ThingSpeak/UBIDOTS/any other cloud) using			
18.	11-Oct-24	7	To study the major components available on the Raspberry Pi and remotely accessing it using			
19.	15-Oct-24	7	To study the major components available on the Raspberry Pi and remotely accessing it using			
20.	18-Oct-24	7	To study the major components available on the Raspberry Pi and remotely accessing it using			

Signature : 

Teacher Name : Ashish Kalia


HOD/PPL

MONTHLY REVIEW BY THE HEAD OF DEPARTMENT

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

Lesson Planning

PRACTICALS

Branch : Computer Engineering

Subject : IOT

Teacher : Ashish Kalia

Program Elective-IV (Internet of Things)

Group : 2 (20)

Semester : 5

Session : Jul - 2024

Lab :

Sl. No.	Date	Pr. No.	Practical	Actual Date of Performance	Reason for Rescheduling (if any)	Signature with Date
1.	13-Aug-24	1	Orientation			
2.	14-Aug-24	2	To use resistances, LEDs, battery, push button, breadboard and potentiometer in a circuit on the			
3.	20-Aug-24	2	To use resistances, LEDs, battery, push button, breadboard and potentiometer in a circuit on the			
4.	21-Aug-24	2	To use resistances, LEDs, battery, push button, breadboard and potentiometer in a circuit on the			
5.	27-Aug-24	3	To study the major components available on the Arduino UNO board and develop an Arduino Sketch			
6.	28-Aug-24	3	To study the major components available on the Arduino UNO board and develop an Arduino Sketch			
7.	03-Sep-24	3	To study the major components available on the Arduino UNO board and develop an Arduino Sketch			
8.	04-Sep-24	4	To interface basic sensors and actuators with Arduino UNO.			
9.	10-Sep-24	4	To interface basic sensors and actuators with Arduino UNO.			
10.	11-Sep-24	4	To interface basic sensors and actuators with Arduino UNO.			
11.	17-Sep-24	5	To switch ON/OFF an electric bulb with and without Bluetooth/WiFi module using Arduino UNO and			
12.	18-Sep-24	5	To switch ON/OFF an electric bulb with and without Bluetooth/WiFi module using Arduino UNO and			
13.	24-Sep-24	5	To switch ON/OFF an electric bulb with and without Bluetooth/WiFi module using Arduino UNO and			
14.	25-Sep-24	6	To send a sensor's data to the cloud (ThingSpeak/UBIDOTS/any other cloud) using			
15.	01-Oct-24	6	To send a sensor's data to the cloud (ThingSpeak/UBIDOTS/any other cloud) using			
16.	08-Oct-24	6	To send a sensor's data to the cloud (ThingSpeak/UBIDOTS/any other cloud) using			
17.	09-Oct-24	7	To study the major components available on the Raspberry Pi and remotely accessing it using			
18.	15-Oct-24	7	To study the major components available on the Raspberry Pi and remotely accessing it using			
19.	16-Oct-24	7	To study the major components available on the Raspberry Pi and remotely accessing it using			
20.	22-Oct-24	8	To send temperature sensor data to the cloud using Node-Red editor on a Raspberry Pi SBC.			

Signature : 

Teacher Name : Ashish Kalia


HOD/PPL

MONTHLY REVIEW BY THE HEAD OF DEPARTMENT

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

Lesson Planning

Branch : Computer Engineering

PRACTICALS

Semester : 5

Subject : IOT

Program Elective-IV (Internet of Things)

Session : Jul - 2024

Teacher : Ashish Kalia

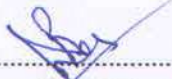
Group : 2 (07)

Lab :

SNo.	Date	Pr. No.	Practical	Actual Date of Performance	Reason for Rescheduling (if any)	Signature with Date
21.	23-Oct-24	8	To send temperature sensor data to the cloud using Node-Red editor on a Raspberry Pi SBC.			
22.	05-Nov-24	8	To send temperature sensor data to the cloud using Node-Red editor on a Raspberry Pi SBC.			
23.	06-Nov-24	8	To send temperature sensor data to the cloud using Node-Red editor on a Raspberry Pi SBC.			
24.	19-Nov-24	9	To setup and use the MOSQUITTO MQTT broker on the AWS cloud or on Raspberry Pi locally and			
25.	20-Nov-24	9	To setup and use the MOSQUITTO MQTT broker on the AWS cloud or on Raspberry Pi locally and			
26.	26-Nov-24	9	To setup and use the MOSQUITTO MQTT broker on the AWS cloud or on Raspberry Pi locally and			
27.	27-Nov-24	9	To setup and use the MOSQUITTO MQTT broker on the AWS cloud or on Raspberry Pi locally and			

Signature : 

Teacher Name : Ashish Kalia


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