



CHRISTIAN COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai.)

Department Electrical And Electronics Engineering

Course End Report – 2019-2020 – Even Semester

Program	B.E. EEE
Semester	II
No. of Students	07
Course Code	C113
Subject Code and Title	EE8251 – CIRCUIT THEORY
No. of Credits	3
Faculty in-charge	

CO-PO Attainment Analysis at the end of the semester


Course Outcomes

At the end of the course the students will be able to

CO	Description
C113.1	Apply Kirchhoff's current and voltage laws to simple circuits and Solve complex circuits using Mesh & Nodal Methods
C113.2	Apply Network theorems to linear circuits and to solve simple and complex problems.
C113.3	Analyze the Transient response of RLC circuits under DC and AC excitation using Laplace Transform
C113.4	Analyze three phase balanced and unbalanced star, delta network
C113.5	Compute the frequency response of Series and Parallel resonance and analyze tuned circuits

Course Outcomes Assessment methods

1. Internal Assessment Test 1
2. Internal Assessment Test 2
3. Internal Assessment Test 3
4. Anna University Examination: April /May 2019


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Christian College of Engg. & Tech.,
Oddanchatram - 624 619
Dindigul District

ODDANCHATRAM – 624 619, DINDIGUL DISTRICT, TAMILNADU.

Website: www.christianengineering.in | E-mail: principaloffice@christianengineering.in

Mobile: +91 - 9524124125



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Scheme of Assessment Methods

S. No	Assessment Methods		Total Marks	Mark Distribution to COs				
	Name	Date		CO1	CO2	CO3	CO4	CO5
1.	Internal Assessment Test 1		50	31	29	-	-	-
2.	Internal Assessment Test 2		50	-	-	29	31	-
3.	Internal Assessment Test 3		100	17	32	32	17	17
4.	Anna University Examination		100					

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	60% and above students scoring more than 50% of maximum marks in the relevant COs	Slight(1)
2	65% and above students scoring more than 50% of maximum marks in the relevant COs	Moderate(2)
3	70% and above students scoring more than 50% of maximum marks in the relevant COs	Substantial(3)


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Internal Assessment Test Analysis

Test	COs	Class Strength	Mark in QP	Students scored more than 50% of maximum mark		Correlation level
				No.	%	
IA Test 1	CO1	7	31	3	50	0
	CO2	7	29	3	50	0
IA Test 2	CO3	7	29	6	100	3
	CO4	7	31	6	100	3
IA Test 3	CO1	7	17	6	100	3
	CO2	7	32	6	100	3
	CO3	7	32	5	83	3
	CO4	7	17	6	100	3
	CO5	7	17	6	100	3
Cumulative	CO1	7	48	6	86	3
	CO2	7	61	5	71	3
	CO3	7	61	6	86	3
	CO4	7	48	6	86	3
	CO5	7	17	6	86	3

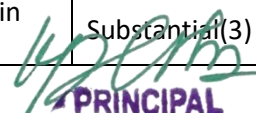
Average of CO Attainment for the Course

$$= \text{Correlation level of } \frac{CO1 + CO2 + CO3 + CO4 + CO5}{5} = 3$$

Report on Internal Assessment Test Analysis

CO Attainment in Anna University Examination

Attainment level	Description	Correlation level
1	55% and above students scoring more than 50% of maximum marks in the relevant COs	Slight(1)
2	60% and above students scoring more than 50% of maximum marks in the relevant COs	Moderate(2)
3	65% and above students scoring more than 50% of maximum marks in the relevant COs	Substantial(3)


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Anna University Result Analysis

Class Strength	No. of Students appeared	No. of Students passed	Pass %	Grade Distribution						
				O	A+	A	B+	B	UA	U
6	6	3	50	-	-	-	3	-	1	2

Correlation level attained in Anna University Examination: 0

Report on Anna University Examination Result Analysis

Course Outcome Attainment

Weightage to Internal Assessment Tests = 20%

Weightage to Anna University Examination = 80%

CO Attainment = $0.8 \times 0 + 0.2 \times 3 = 0.6$

PO and PSO Attainments using CO Attainment

PO and PSO Attainments are measured by direct and indirect methods.

Direct method- Using the Course Outcomes

Indirect method- Using Exit Survey, Alumni Survey and Employer Survey

Mapping of PO and PSO with CO

CO	Program Outcomes					PSO
	PO1	PO2	PO3	PO5	PO12	PSO1
CO1	3	2	1	1	1	1
CO2	3	2	1	1	1	1
CO3	3	2	1	1	1	1
CO4	3	2	1	1	1	1
CO5	3	2	1	1	1	1
Average	3	2	1	1	1	1


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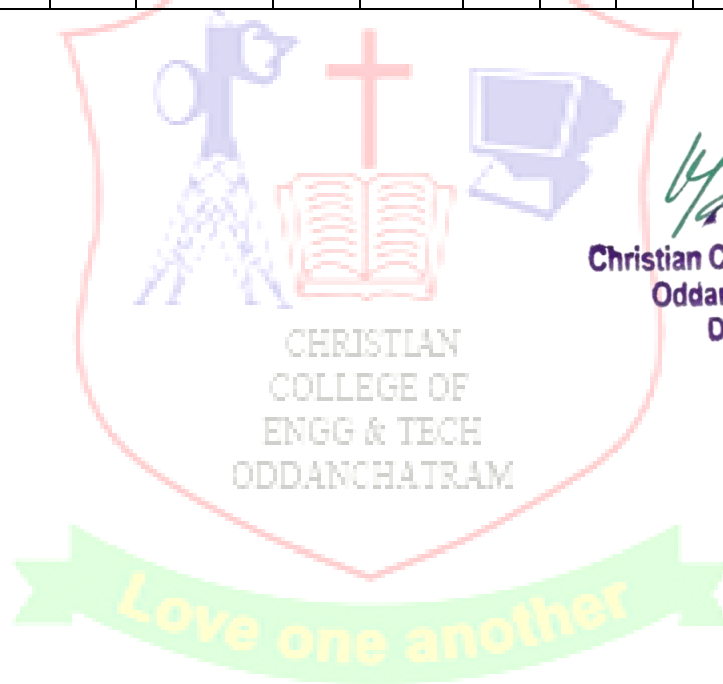



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Direct method of Attainment of PO and PSO

CO Attained	Average target of PO and PSO						Attainment of PO and PSO					
	PO1	PO2	PO3	PO5	PO1 2	PSO1	PO1	PO2	PO3	PO5	PO12	PSO1
0.6	3	2	1	1	1	1	0.6	0.4	0.2	0.2	0.2	0.2




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Department Electrical And Electronics Engineering

Course End Report – Odd Semester 2019-2020

Program	B.E. EEE
Semester	IV
No. of Students	25
Course Code	C212
Subject Code and Title	EE8403- MEASUREMENTS AND INSTRUMENTATION
No. of Credits	3
Faculty in-charge	

CO-PO Attainment Analysis at the end of the semester

Course Outcomes

At the end of the course the students will be able to

CO	Description
C212.1	Analyze the basic functional block elements in Different measuring Instruments and the errors in the measurement system
C212.2	Analyze construction and working of electrical and electronics instruments.
C212.3	Design AC and DC bridge circuits to determine the values of resistor, inductor and capacitors.
C212.4	Review the knowledge on various types of storage and display devices.
C212.5	Analyze the concepts of various transducers and data acquisition systems.

Course Outcomes Assessment methods

1. Internal Assessment Test 1
2. Internal Assessment Test 2
3. Internal Assessment Test 3
4. Anna University Examination: April /May 2019


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Scheme of Assessment Methods

S.No	Assessment Methods		Total Marks	Mark Distribution to COs				
	Name	Date		CO1	CO2	CO3	CO4	CO5
1.	Internal Assessment Test 1		50	31	29	-	-	-
2.	Internal Assessment Test 2		50	-	-	29	31	-
3.	Internal Assessment Test 3		100	17	32	32	17	17
4.	Anna University Examination		100					

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	60% and above students scoring more than 50% of maximum marks in the relevant COs	Slight(1)
2	65% and above students scoring more than 50% of maximum marks in the relevant COs	Moderate(2)
3	70% and above students scoring more than 50% of maximum marks in the relevant COs	Substantial(3)


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Internal Assessment Test Analysis

Test	COs	Class Strength	Mark in QP	Students scored more than 50% of maximum mark		Correlation level
				No.	%	
IA Test 1	CO1	25	31	22	88	3
	CO2	25	29	16	64	1
IA Test 2	CO3	25	29	24	96	3
	CO4	25	31	23	92	3
IA Test 3	CO1	25	17	25	100	3
	CO2	25	32	22	88	3
	CO3	25	32	13	52	0
	CO4	25	17	24	96	3
	CO5	25	17	25	100	3
Cumulative	CO1	25	48	25	100	3
	CO2	25	61	23	92	3
	CO3	25	61	21	84	3
	CO4	25	48	25	100	3
	CO5	25	17	25	100	3

Average of CO Attainment for the Course

$$= \text{Correlation level of } \frac{CO1 + CO2 + CO3 + CO4 + CO5}{5} = 3$$

Report on Internal Assessment Test Analysis

CO Attainment in Anna University Examination

Attainment level	Description	Correlation level
1	55% and above students scoring more than 50% of maximum marks in the relevant COs	Slight(1)
2	60% and above students scoring more than 50% of maximum marks in the relevant COs	Moderate(2)
3	65% and above students scoring more than 50% of maximum marks in the relevant COs	Substantial(3)

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Anna University Result Analysis

Class Strength	No. of Students appeared	No. of Students passed	Pass %	Grade Distribution						
				O	A+	A	B+	B	UA	U
25	17	8	32	0	0	1	1	6	01	16

Correlation level attained in Anna University Examination: 0

Report on Anna University Examination Result Analysis

Course Outcome Attainment

Weightage to Internal Assessment Tests = 20%

Weightage to Anna University Examination = 80%

CO Attainment = $0.8 \times 0 + 0.2 \times 3 = 0.6$

PO and PSO Attainments using CO Attainment

PO and PSO Attainments are measured by direct and indirect methods.

Direct method- Using the Course Outcomes

Indirect method- Using Exit Survey, Alumni Survey and Employer Survey

Mapping of PO and PSO with CO

CO	Program Outcomes						PSO		
	PO1	PO2	PO3	PO5	PO6	PO12	PSO1	PSO2	PSO3
CO1	2	2			1	1	2		
CO2	2	2		2	1	1	2		
CO3	2	2	2		1	1	2		
CO4	2	2			1	1	2		
CO5	2	2			1	1	2		
Average	2	2	-	-	1	1	2		

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Direct method of Attainment of PO and PSO

CO Attained	Average target of PO and PSO							Attainment of PO and PSO						
	PO1	PO2	PO3	PO5	PO6	PO1 2	PSO1	PO 1	PO 2	PO 3	PO 5	PO6	PO1 2	PSO1
0.6	3	1	1	1	1	2	1	0.6	0.2	0.2	0.2	0.2	0.6	0.2




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Department Of Computer Science And Engineering

Course End Report – Odd Semester 2019-2020

Program	B.E. CSE
Semester	V
No. of Students	32
Course Code	C305
Subject Code and Title	CS8592 Object Oriented Analysis And Design
No. of Credits	3
Faculty in-charge	Dr.C.Sundar

CO-PO Attainment Analysis at the end of the semester

Course Outcomes

At the end of the course the students will be able to

CO	Description
C305.1	Express software design with UML diagrams
C305.2	Design software applications using OO concepts.
C305.3	Identify various scenarios based on software requirements
C305.4	Transform UML based software design into pattern based design using design patterns
C305.5	Understand the various testing methodologies for OO software

Course Outcomes Assessment methods

1. Internal Assessment Test 1
2. Internal Assessment Test 2
3. Internal Assessment Test 3
4. Anna University Examination Nov/Dec 2019

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Scheme of Assessment Methods

S.No	Assessment Methods		Total Marks	Mark Distribution to COs				
	Name	Date		CO1	CO2	CO3	CO4	CO5
1.	Internal Assessment Test 1		50	31	29	-	-	-
2.	Internal Assessment Test 2		50	-	-	31	29	-
3.	Internal Assessment Test 3		100	17	32	17	32	17
4.	Anna University Examination		100	32	17	17	17	17

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	60% and above students scoring more than 50% of maximum marks in the relevant COs	Slight(1)
2	65% and above students scoring more than 50% of maximum marks in the relevant COs	Moderate(2)
3	70% and above students scoring more than 50% of maximum marks in the relevant COs	Substantial(3)


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Internal Assessment Test Analysis

Test	COs	Class Strength	Mark in QP	Students scored more than 50% of maximum mark		Correlation level
				No.	%	
IA Test 1	CO1	32	31	16	50	0
	CO2	32	29	10	31	0
IA Test 2	CO3	32	31	22	69	2
	CO4	32	29	6	19	0
IA Test 3	CO1	32	17	26	81	3
	CO2	32	32	1	3	0
	CO3	32	17	27	84	3
	CO4	32	32	29	91	3
	CO5	32	17	24	75	3
Cumulative	CO1	32	32	19	59	0
	CO2	32	17	4	13	0
	CO3	32	17	24	75	3
	CO4	32	17	24	75	3
	CO5	32	17	24	75	3

Average of CO Attainment for the Course

$$= \text{Correlation level of } \frac{CO1 + CO2 + CO3 + CO4 + CO5}{5} = 1.8$$

Report on Internal Assessment Test Analysis

CO Attainment in Anna University Examination

Attainment level	Description	Correlation level
1	60% and above students scoring more than 50% of maximum marks in the relevant COs	Slight(1)
2	65% and above students scoring more than 50% of maximum marks in the relevant COs	Moderate(2)
3	70% and above students scoring more than 50% of maximum marks in the relevant COs	Substantial(3)

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Anna University Result Analysis

Class Strength	No. of Students appeared	No. of Students passed	Pass %	Grade Distribution						
				O	A+	A	B+	B	UA	U
32	32	30	94	-	1	6	9	14	-	2

Correlation level attained in Anna University Examination: 3

Report on Anna University Examination Result Analysis

Course Outcome Attainment

Weightage to Internal Assessment Tests = 20%

Weightage to Anna University Examination = 80%

CO Attainment = $0.8 \times 3 + 0.2 \times 1.8 = 2.76$

PO and PSO Attainments using CO Attainment

PO and PSO Attainments are measured by direct and indirect methods.

Direct method- Using the Course Outcomes

Indirect method- Using Exit Survey, Alumni Survey and Employer Survey

Mapping of PO and PSO with CO

CO	Program Outcomes							PSO
	PO1	PO2	PO3	PO5	PO10	PO11	PO12	PSO1
CO1	3	2	-	-	-	-	-	-
CO2	2	-	3	-	1	2	3	-
CO3	-	-	3	-	-	-	-	1
CO4	1	-	-	2	-	-	-	-
CO5	-	-	3	-	-	-	-	-
Average	2	2	3	2	1	2	3	1


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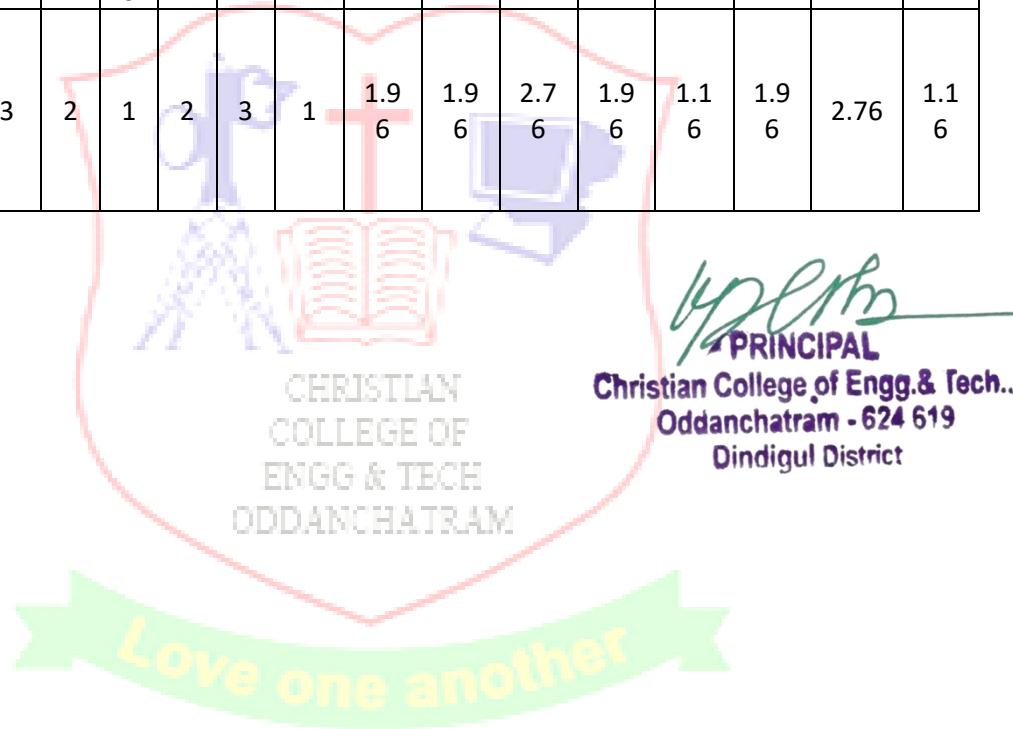


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Direct method of Attainment of PO and PSO

CO Attained	Average target of PO and PSO							Attainment of PO and PSO								
	PO 1	PO 2	PO 3	PO 5	PO 10	PO 11	PO 12	PS O1	PO 1	PO 2	PO 3	PO 5	PO 10	PO 11	PO1 2	PS O1
2.76	2	2	3	2	1	2	3	1	1.96	1.96	2.76	1.96	1.16	1.96	2.76	1.16



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