



# Kalyani Charitable Trust, Late Gambhirrao Natuba Sapkal College of Engineering, Anjaneri, Trimbakeshwar Road, Nashik

Electronics and Telecommunication Engineering [2024-25]

## CO PO Desired Mapping Report

Year : SECOND YEAR - Fourth Semester

Subject : Signals - Theory

Faculty : Sachin Bagul

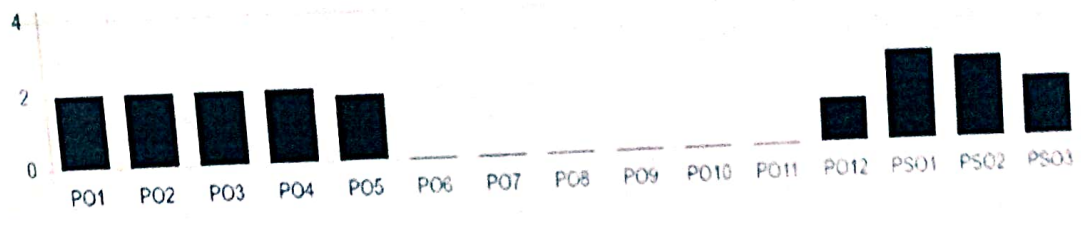
### Course Outcome Details

#	Course Outcome	Description
1	CO1	Identify, classify basic signals and perform operations on signals.
2	CO2	Identify, Classify the systems based on their properties in terms of input output relation and in terms of impulse response and will be able to determine the convolution between to signals.
3	CO3	Analyze and resolve the signals in frequency domain using Fourier series and Fourier Transform.
4	CO4	Resolve the signals in complex frequency domain using Laplace Transform, and will be able to apply and analyze the LTI systems using Laplace Transforms.
5	CO5	Define and Describe the probability, random variables and random signals. Compute the probability of a given event, model, compute the CDF and PDF.
6	CO6	Compute the mean, mean square, variance and standard deviation for given random variables using PDF.

### Desired Attainment Details

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	2		2							1	3	3	2
CO2	2	2	2	2	2								2	2	2
CO3	2	2	2	2	2							1	2	3	2
CO4	2	2	2	2	2							1	2	2	2
CO5	2	2	2	2	1							2	3	2	1
CO6	2	2	2	2									3	2	1
Average	2.00	2.00	2.00	2.00	1.80							1.25	2.50	2.33	1.67

Attainment Average : 1.95



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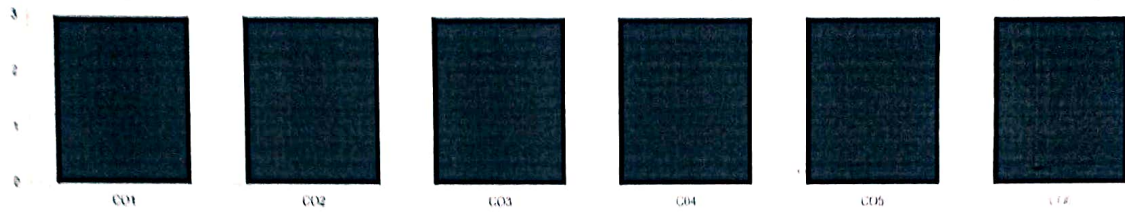


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Digital Signal Processing - Theory (2024-25) [ Bachin Bagul ]

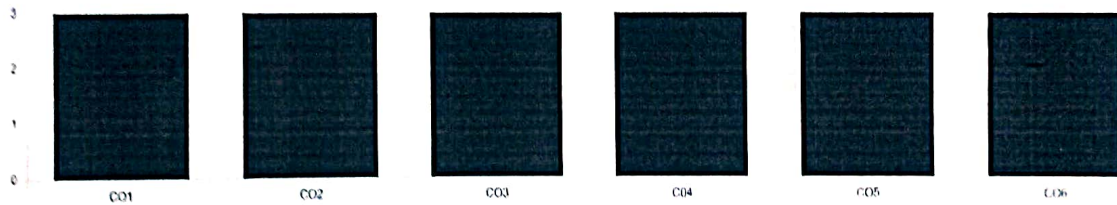
**Internal Assessment**

Title	Type	% Weightage	CO1	CO2	CO3	CO4	CO5	CO6
UNIT TEST 1	Internal	20	0.60	0.60				
UNIT TEST 2	Internal	20			0.60	0.60	0.60	0.60
Percent course outcome weightage			20.00	20.00	20.00	20.00	20.00	20.00
Attainment as per percent weightage			0.60	0.60	0.60	0.60	0.60	0.60
Attainment			3	3	3	3	3	3



**External Assessment**

Title	Type	% Weightage	CO1	CO2	CO3	CO4	CO5	CO6
ENDESEM Exam	External	20	0.60	0.60	0.60	0.60	0.60	0.60
INSEM	External	20	0.60	0.60	0.60	0.60	0.60	0.60
PRACTICAL	External	20	0.60	0.60	0.60	0.60	0.60	0.60
Percent course outcome weightage			60.00	60.00	60.00	60.00	60.00	60.00
Attainment as per percent weightage			1.8	1.8	1.8	1.8	1.8	1.8
Attainment			3	3	3	3	3	3



**Direct Total Attainment**

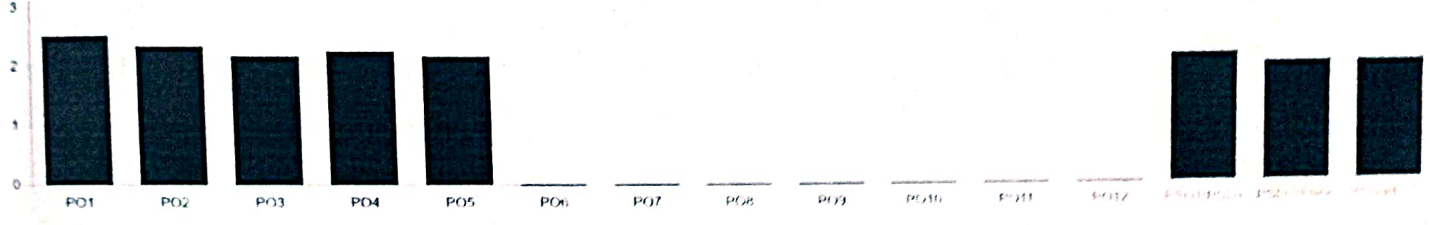
Course Outcome	Internal	External
CO1	3.00	3.00
CO2	3.00	3.00
CO3	3.00	3.00
CO4	3.00	3.00
CO5	3.00	3.00
CO6	3.00	3.00
Average	3.00	3.00
Exam Weightage	30	70
Exam Attainment As Per Weightage	0.90	2.10
Direct Course Attainment		3.00
Direct CO Attainment Weightage		100

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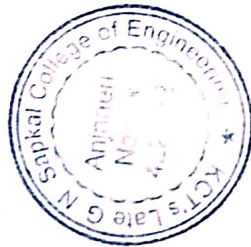
3.00

3.00

	PO1	PSO1(PSO)	PO2	PSO2(PSO)	PO3	PSO3(PSO)	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Final Attainment	2.50	2.17	2.33	2.00	2.17	2.00	2.25	2.17							
Percentage	83.33	72.33	77.67	66.67	72.33	66.67	75.00	72.33							



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H.O.D. EATC