



G H RAISONI COLLEGE OF ENGINEERING NAGPUR

(An Autonomous Institute affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

CRPF Gate No.3, Hingna Road, Digdoh Hills, Nagpur. Maharashtra-440016 (India)

Course wise Teaching Plan for Session : Summer Term 2018

Course : Signal & Systems

Faculty : wvpatil - Wani V. Patil

Unit	Topic Code	Topic Covered	Date	Course	Section
2	1	Introduction to the subject	02/05/2018	BECL304	A
2	2	UNIT 2: Different Types Of Signals	02/05/2018	BECL304	A
2	3	EXTRA	03/05/2018	BECL304	A
2	4	Linearity, Time Invariance And Causality	03/05/2018	BECL304	A
2	5	Impulse Sequence, Impulse Functions And Other Singularity Functions	07/05/2018	BECL304	A
2	6	Time-Domain Representation And Analysis Of LTI Systems Based On Convolution	07/05/2018	BECL304	A
2	7	Convolution Sum	08/05/2018	BECL304	A
2	8	Convolution Integral And Their Evaluation	08/05/2018	BECL304	A
2	9	EXTRA	09/05/2018	BECL304	A
2	10	Properties Of LTI Systems.	09/05/2018	BECL304	A
2	11	Properties Of LTI Systems.	10/05/2018	BECL304	A
2	12	Numericals on types of systems and signals	10/05/2018	BECL304	A
2	13	EXTRA	14/05/2018	BECL304	A
2	14	Numericals on convolution on CTS	14/05/2018	BECL304	A
2	15	Numericals on properties of LTI Systems	15/05/2018	BECL304	A
2	16	EXTRA	15/05/2018	BECL304	A
2	17	UNIT 3: Representation of Aperiodic Signals	16/05/2018	BECL304	A
3	18	Representation of Aperiodic Signals	16/05/2018	BECL304	A
3	19	Fourier Transform for Periodic Signals	17/05/2018	BECL304	A
3	20	Properties of CTFT	17/05/2018	BECL304	A
3	21	Properties of CTFT	21/05/2018	BECL304	A



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3	22	Convolution Property of CTFT	21/05/2018	BECL304	A
3	23	Numericals on CTFT	22/05/2018	BECL304	A
3	24	UNIT 4:Representation of aperiodic Signal of DTFT	22/05/2018	BECL304	A
4	25	Representation of aperiodic Signal	23/05/2018	BECL304	A
4	26	Fourier Transform for Periodic Signals	23/05/2018	BECL304	A
4	27	Fourier Transform for Periodic Signals	24/05/2018	BECL304	A
4	28	Fourier Transform for Periodic Signals	24/05/2018	BECL304	A
4	29	Properties of DTFT	28/05/2018	BECL304	A
4	30	Properties of DTFT	28/05/2018	BECL304	A
4	31	Convolution Property of DTFT	29/05/2018	BECL304	A
4	32	UNIT 5:Introduction to Sampling Theorem	29/05/2018	BECL304	A
5	33	Effect of Under Sampling	30/05/2018	BECL304	A
5	34	Sampling of Discrete -Time Signals.	30/05/2018	BECL304	A
5	35	Numericals on Sampling Theorem	31/05/2018	BECL304	A
5	36	UNIT 6:Introduction to Information Theory , Information measures, Entropy	31/05/2018	BECL304	A
6	37	Channel capacity of Discrete & Continuous channels	04/06/2018	BECL304	A
6	38	Shannon, Hartley Theorem	04/06/2018	BECL304	A
6	39	Huffmann Coding [upto 3rd Order] and numericals	05/06/2018	BECL304	A
6	40	UNIT 1:Random process, Probability, Random Variables,	05/06/2018	BECL304	A
1	41	Mean correlation covariance functions	06/06/2018	BECL304	A
1	42	Time average, Periodicity	06/06/2018	BECL304	A



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1	43	Envelope of sine wave plus narrow band noise, Spectral density, Gaussian process noise, Narrow band noise	07/06/2018	BECL304	A
1	44	Advance Topic	07/06/2018	BECL304	A