



Course wise Teaching Plan for Session : Summer 2019

Course : COMMUNICATION ELECTRONICS

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Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Study of DSO ,spectrum analyzer and introduction to MATLAB	03/12/2018	BEC207	A
2	2	1.AM Generation (DSB-FC): Calculation of modulation index by graphical method.	10/12/2018	BEC207	A
2	3	2.Envelop Detector-Practical diode detector, Observe effect of change in RC time constant.	17/12/2018	BEC207	A
2	4	3.Generation of DSB-SC with the help of balanced Modulator IC1496 &1596 & its detection.	24/12/2018	BEC207	A
2	5	4.SSB modulator using Filter method / phase shift method & its detection.	31/12/2018	BEC207	A
3	6	5.Frequency modulator using varactor diode and NE 566 VCO, calculation of modulation index	07/01/2019	BEC207	A
3	7	6.FM demodulator using such as IC565 (PLL based)	14/01/2019	BEC207	A
6	8	7.Experimental study of Generation & detection of PSK/FSK/QPSK signals.	28/01/2019	BEC207	A
2	9	8.AM transmitter: Measure total power of transmitter with the help of Spectrum Analyzer OR Mini Project: Build & test AM/FM transmitter	04/02/2019	BEC207	A
2	10	9.Generate AM waveform for given modulation index, signal frequency and carrier frequency.(MATLAB)	11/02/2019	BEC207	A
3	11	10.Generate FM waveform for given signal amplitude, signal frequency and carrier frequency.(MATLAB)	25/02/2019	BEC207	A