

### Typical CO Statements

Sr. No.	Academic Year	Course Name	NBA Code	CO No.	CO Statements
1	SE 18-19	Digital System Design	C233	C233.1	To understand different number systems and their conversions.
				C233.2	To design different combinational logic circuits and demonstrate use. of minimization techniques
				C233.3	To Classify different types of memories
				C233.4	To construct sequential logic circuits.
				C233.5	To understand digital system design using PLD
				C233.6	To explain basic concepts of VHDL systems
2	SE 18-19	Electronic Devices and Circuits - II	C242	C242.1	To understand the working and characteristics of MOSFET and analyse various amplifier circuit using MOSFET.
				C242.2	To analyse and designing various types of cascade amplifiers using BJT and MOSFET
				C242.3	To analyse and design various types of power amplifier circuit using BJT
				C242.4	To understand and evaluate various types of negative feedback using amplifier circuits
				C242.5	To analyse and design various types of low and high frequency oscillator circuits
3	TE 19-20	Digital Communication	C352	C352.1	To identify importance of Information theory and its role in digital transmission.
				C352.2	To analyse and design performance of different error control codes.
				C352.3	To apply different baseband transmission techniques.
				C352.4	To understand random variables and processes for optimum detection of signal
				C352.5	To evaluate performance of different band-pass modulation techniques.
4	TE 19-20	Antenna and Radio Wave Propagation	C363	C363.1	To define and estimate basic antenna parameters like radiation pattern, directivity, gain etc.
				C363.2	To derive the field equations for the basic radiating elements like linear wire antenna and loop antenna.
				C363.3	To design uniform linear and planner array using isotropic and directional sources
				C363.4	To design special types of the antennas like micro strip antenna and reflector antenna
				C363.5	To understand radio wave propagation through different layers of the atmosphere.
5	BE 20-21	Microwave Engineering	C471	C471.1	To analyse microwave passive circuit components, and tuning networks
				C471.2	To apply mathematical analysis to different microwave tubes and semiconductor devices
				C471.3	To test and evaluate different microwave parameters.
				C471.4	To understand microwave integrated circuit fabrication techniques.

Sr. No.	Academic Year	Course Name	NBA Code	CO No.	CO Statements
6	BE 20-21	Radio Frequency Design	C481	C481.1	To understand importance of impedance matching networks and RF filters
				C481.2	To apply design procedures of RF amplifiers and oscillators.
				C481.3	To analyse Frequency synthesizers
				C481.4	To evaluate EMI and EMC in RF Circuits qualitatively