Typical Course Outcomes

Sr. No.	Academic Year	Course Name	NBA Code	CO No.	CO Statements
1	SE 18-19	Electrical Network Analysis and Synthesis	C234	C234.1	Students will be able to understand the concept of Circuit Analysis in various domains of network systems including the responses of Filters.
				C234.2	Students will be able to apply the concepts of Mathematics in solving complex circuits with various Excitation in Time Domain and Frequency Domain Form
				C234.3	Students will be able to evaluate the time and frequency domain response, stability behaviour and network parameters of complex networks.
				C234.4	Students will be able to analyse and synthesize complex circuits and transfer functions by remembering various concepts.
2	SE 18-19	Electronic Devices and Circuits - II	C242	C242.1	Students will be able to understand amplifiers through frequency response
				C242.2	Students will be able to perform DC and Ac analysis of single stage and multistage amplifiers, oscillators,
				C242.3	Students will be able to derive expression for performance parameters in terms of circuit and device parameters
				C242.4	Student will be able to select appropriate circuit for given specifications/applications
				C242.5	Students will be able to explain working and construction details of special, semiconductor devices
3	TE 19-20	Micro-controllers and Applications	C351	C351.1	Explain 8051 microcontroller architecture.
				C351.2	Develop assembly language programmes for 8051 microcontrollers
				C351.3	Design and implement 8051 based systems.
				C351.4	Explain advanced features of Cortex-M3 architecture
4	TE 19-20	VLSI Design	C363	C363.1	Distinguish different VLSI technologies, MOSFET scaling methods, and MOSFET models
				C363.2	Design and analyze MOS based inverters, combinational circuits with different design styles
				C363.3	Describe operation of the various semiconductor memories
				C363.4	Develop adder, multiplier, and shifter circuits for data path
				C363.5	Explain various clocking strategies, power dissipation sources, ESD protection circuits and system level design issues for CMOS
5	BE 20-21	Digital signal processing	C473	C473.1	Demonstrate an understanding of the discrete-time Fourier transform and the concept of digital frequency
				C473.2	Design FIR and IIR digital filters to meet arbitrary specifications and Develop algorithms for implementation
				C473.3	Understand the effect of hardware limitations on performance of digital filters
				C473.4	Use advanced signal processing techniques and digital signal processors in various applications
6	BE 20-21	Internet of Things	C481	C481.1	Understand the concepts of Internet of Things
				C481.2	Analyse basic web connectivity in IoT
				C481.3	Understand data handling in IoT
				C481.4	Design basic applications based on IoT using specific components