DEPARTMENT OF ELECTRONICS

SL. NO.	CORE/DSE/GE	COURSE OUTCOME
1	CC-I	Basic idea regarding circuit components, laws,DC transient and AC circuit analysis and network theorems.
2	CCII	Exposes Mathematics foundation for Electronics such as Ordinary differential equations and their series solution, Matrices, Sequence and series, Complex variables and Functions.
3	CC-III	Exposes for Semiconductor basics and Semiconductor devices like P.N junction Diode, Bioplar Junction Transistor, Field Effect transistor and power devices like UJT,SCR,TRIAC ,DIAC, IGBT , MESFET etc.
4	CC-IV	Gives concepts of Quantum Physics, Mechanical Properties of matter,Thermal Physics and Electric and magnetic Properties of matter.
5	CC-V	Explain concepts Of diode circuits,BJT, Feedback amplifiers, Power and Tuned amplifiers, and MOSFET circuits.
6	CC-VI	Expose for Digital Electronics such as logic gates, Number system,Combitional and sequential logic designs and Verilog/VHDL.
7	CC-VII	Concept for programming in C language and Data Structure.
8	CC-VIII	Expose for basic Operational Amplifiers and its applications, Multivibrator ICs (IC 555),Fixed and variable IC regulators and signal conditioning circuits.
9	CC-IX	Concepts of Signals and systems,LTI systems,Fourier series representation of periodic signals,Fourier transformand Laplace transform of signals.
10	CC-X	Idea of qualites of measurement, basic measurement instruments, measurement of resistance and impedance, Oscilioscopes, Transducers and censors.
11	CC-XI	Gives Concepts of microprocessors- 8085 Architecture, Programming, Microcontrollers-Architecture, PIC16F887 Microcontroller and it's interfacing.
12	CC-XII	Concept of vector analysis,Poission and Laplace equation,Maxwell's equations and Electro magnetic wave

		propagation
13	CC-XIII	Concepts of different type of modulation techniques such as Amplitude ,Frequency, phase modulation, pulse analog modulation, Digital modulation techniques.
14	CC-XIV	Exposes Different phenomenon of light like Intereference , Diffraction, Polarization, Construction and operations of LEDs,Lasers,Photodetectors,LCD displays and Guided waves and optical fibers.
15	DSE-I	Exposes to Control systems, Time , frequency domain and state space analysis of systems, Controllers and Compensation techniques.
16	DSE-II	Concepts of Digital Signal Processing-discrete time systems, Z-transform, Discrete Fourier Transform and Digital Filters.
17	DSE-III	Gives concept of Electromagnetic wave propagations through Transmission lines, Wave guides, Antennas.
18	GE-I	Concepts of Electronic Circuits, Network theorems, Devices like Diode and it's application, Bipolar Juncton Transistor Amplifiers, Printed Circuit Boards Designing.
19	GE-II	Expose for Digital Electronics such as logic gates, Number system, Combitional and sequential logic designs and Verilog/VHDL.