



VidyaVikas Education Trust's
Universal College of Engineering, Kaman Road, Vasai-401212

Department of Electronics Engineering

Course Outcome (CO) for each course:

After completing the course, the student will

Year/Class/ Semester: T E ETRX / VI

Subject Code	Subject Name	COs
EX 601	BASIC VLSI DESIGN	CO1 To teach fundamental principles of VLSI circuit design and layout techniques CO2 Understand different design styles CO3 To highlight the circuit design issues in the context of VLSI technology
EX 602	ADVANCED INSTRUMENTATION SYSTEMS	CO1 Describe working principles of process parameters, basic components for instrumentation CO2 Describe pneumatic components and system CO3 Describe hydraulic components and system CO4 Explain working of process control components and systems.
EX 603	COMPUTER ORGANISATION	CO1 Conceptualize the basics of organizational and architectural issues of a digital computer CO2 Analyze performance issues in processor and memory design of a digital computer CO3 Understand various data transfer techniques in digital computer. CO4 Analyze processor performance improvement using instruction level parallelism.
EX 604	POWER ELECTRONICS-I	CO1 Understand SCR power device. CO2 Explain various other power devices. CO3 Differentiate various circuits based on power devices and will be able to design Rectifiers using power devices CO4 Understand application likes Inverters and choppers using power devices and will be able to understand AC voltage controllers and cycloconverters
EX 605	DIGITAL SIGNAL PROCESSING AND PROCESSORS	CO1 Understand and design digital filters and their properties CO2 Solve mathematical model for mapping of S plane to Z plane, frequency transformation and different transformation method CO3 Design the FIR filters with various window technique and sampling technique with understanding of Gibbs



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		phenomenon CO4 Explain number representation, quantization, rounding with their effects
EX 606	MODERN INFORMATION TECHNOLOGY FOR MANAGEMENT	CO1 Understanding about various IT infrastructures and their importance. CO2 Explain production tools which run the business infrastructure system and business system managements with importance of IT tools in content management. CO3 Explain various protocols which run business infrastructure system and also study IT application in various businesses.