

Course Number and Name												
BEC010 - VLSI DESIGN												
Course Objectives												
<ul style="list-style-type: none"> To learn basic CMOS Circuits. To learn CMOS process technology. To learn techniques of chip design using programmable devices. To learn the concepts of designing VLSI Subsystems. 												
Prerequisites						Co-requisites						
BEC402-Electronic Circuits & BEC302-Principles of Digital Electronics						Nil						
Course Outcomes (COs)												
CO1: Identify the various IC fabrication methods.												
CO2 : Express the Layout of simple MOS circuit using Lambda based design rules.												
CO3 : Apply the Lambda based design rules for subsystem design												
CO4 : Differentiate various FPGA architectures.												
CO5: Design an application using Verilog HDL.												
CO6 : Concepts of modeling a digital system using Hardware Description Language.												
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	
CO1	H					M		H				
CO2	M	L	H					M	L	H		
CO3	M			H				M			H	
CO4	M				H		M	M				
CO5		L							L			
CO6						H						