Course Number and Name
BEC702 - DIGITAL CMOS VLSI

Course Objectives
• 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 adders and multipliers.

Prerequisites	Co-requisites
BEC 302- Principles of Digital Electronics	Nil

Course Outcomes (COs)

CO1 To learn about IC fabrication, MOS transistor action and its parameters.

CO2 Express the Layout of simple MOS circuit using Lambda based design rules.

CO3 About the design of various adders and multipliers in VLSI technology.

CO4 About the design styles of FPGA.

CO5 About testing of CMOS circuits.

CO6 To understand the 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	M							H	M		
CO2	M		H					M	H	H	
CO3	M		M	H						H	H
CO4	M				H			M		H	
CO5		H							H		
CO6	H				H						H