Course Number and Name
BEE306 &Digital Electronics

Credits and Contact Hours
3 & 45

Course Coordinator's Name
Dr.S.P.Vijayaragavan

Course Description
To develop a strong foundation in the field of Digital Electronics. The subject gives the students an in depth knowledge about Digital logic families, Combinational circuits and enable them to analyze and design any sequential circuits. Also this subject gives knowledge about various memory devices &VHDL

Prerequisites	Co-requisites
Basic Electrical and Electronics Engineering	Nil

required, elective, or selected elective (as per Table 5-1)
Required

Course Outcomes (COs)

CO1: To study various number systems , simplify the logical expressions using Boolean functions
CO2: To study implementation of combinational circuits
CO3: To design various synchronous and asynchronous circuits
CO4: To introduce asynchronous sequential circuits and PLCs
CO5: To introduce digital simulation for development of application oriented logic circuits

Student Outcomes (SOs) from Criterion 3 covered by this Course

COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	H	M	M	H	M		M		H	L	L	M
CO2	H	M	M	H	H		M		H	L	L	M
CO3	H	M		H	H		M		H	L	L	M
CO4	H	M		H	H		M		H	L	L	M
CO5	H	M	M	H	H		M		H	L	L	M