Course Number and Name
BEE027 & Microcontroller Based System Design

Credits and Contact Hours
3 & 45

Course Coordinator's Name
Mr.K.S.Prasad

Course Objectives
To expose the students to the fundamentals of microcontroller based system design

Prerequisites	Co-requisites
Microprocessor and Microcontroller	Nil

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

Course Outcomes (COs)
CO1:Understand the basics of embedded system
CO2:Understand about Hardware/software co-design aspects and analyse the requirements for interfacing
CO3:Understand concepts of ARM Processor and programming them.
CO4:Understand concepts of PIC controller and programming them.
CO5:Analyse and implement various interfacing circuits necessary for various applications

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	M		M	M	M	M			M		M	M
CO2	M		M	M	M	M			M		M	H
CO3	M		M		M	H			M		M	M
CO4	M		M		M	M			H		M	M
CO5	M		H	M	H	M			H		H	H