

Course Number and Name												
BEC502 - MICROPROCESSOR AND MICROCONTROLLER												
Course Objectives												
<ul style="list-style-type: none"> <li>The objective of this course is to become familiar with the architecture and the instruction set of an Intel microprocessor</li> <li>Assembly language programming will be studied as well as the design of various types of digital and analog interfaces</li> <li>Understand the architecture of 8085 and 8051</li> </ul>												
Prerequisites						Co-requisites						
BEC302-Principles of Digital Electronics						Nil						
Course Outcomes (COs)												
CO1 Design and implement programs on 8086, ARM, PIC.												
CO2 Design I/O circuits.												
CO3 The program prepares students to successfully compete for employment in Electronics, Manufacturing and Embedded fields.												
CO4 Design Memory Interfacing circuits.												
CO5 Design and implement 8051 microcontroller based systems.												
CO6 Describe the architecture and instruction set of ARM microcontroller												
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		H		M			H	M		
CO2	M	L	H		M				L			
CO3	M											
CO4	M			H	H				M	M		
CO5	M	H			H				M			
CO6					M	H						