Course Number and Name
BEC013 & Automotive Electronics

Credits and Contact Hours
3 & 45

Course Coordinator's Name
Ms.Divya

Course Objectives
1. To facilitate the acquisition of the foundation skills in the process, tools and techniques in the Integrated Product Development area of the Engineering Services industry. 2. To provide the requisite understanding towards application of academic topics from engineering disciplines into real world engineering projects.

Prerequisites	Co-requisites
Microprocessor & Microcontroller	Nil

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

Course Outcomes (COs)
CO1:To understand the basic automobile electricals and electronics.
CO2:To understand the basic Embedded Systems.
CO3:To understand the operating system in embedded environment.
CO4:Conceptualize new product integrating the hardware, software, controls, electronics and mechanical systems.
CO5:To understand the embedded system used for automotive applications.
CO6:To understand the Communication Protocols used for automotive applications.

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

COs/POs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	H					M				M		
CO2	M	L	H					L				
CO3	M			M					H			H
CO4	L				H		M				M	
CO5		L										
CO6						H						