

Course Number and Name												
BEE026 & Micro Electro Mechanical Systems												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Ms.Divya												
Course Description												
The objective of this course is to present the state of the art in the areas of semiconductor device physics and materials technology to enable the Nano electronics.												
Prerequisites						Co-requisites						
Control System						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1: To provide knowledge of semiconductors and solid mechanics to fabricate MEMS devices.												
CO2: To educate on the rudiments of Micro fabrication techniques												
CO3: To introduce various sensors and actuators												
CO4: To introduce different materials used for MEMS												
CO5: To educate on the applications of MEMS to disciplines beyond Electrical and mechanical engineering												
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	H	L	L	H	M	M	L	L	L	L	L
CO2	H	H	L	L	M	M	M	L	L	L	L	L
CO3	H	H	L	L	H	M	M	L	L	L	L	L
CO4	H	H	L	L	H	M	M	L	L	L	L	L
CO5	H	H	L	L	H	M	M	L	L	L	L	L