Course Number and Name

BGE001 - VIBRATION CONTROL AND MONITORING

Course Objective

To presents fundamentals to a modern treatment of vibrations, placing the emphasis on analytical developments and computational solutions. This course will provide the detail knowledge about nonlinear and random vibration with fault diagnosis of machinery using vibration signature analysis.

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Prerequisites						Co-requisites								
KI	nematics of I	Machines, Dynamics of machine					Nil							
С	ourse Outco	mes (C	COs)				•							
CO1		Understand the principles of vibration												
CO2		Learn the types of vibration												
CO3		Gain knowledge in vibration control												
CO4		Gain knowledge in vibration monitoring												
CO5		Undergo derivations related to vibrations												
CO6		Learn dynamic balancing and alignment of machinery												
Student Outcomes (SOs) from Criterion 3 covered by the									se					
	COs/SOs	a	b	с	d	e	f	g	h	i	j	k	1	
	CO1	Н												
	CO2	Н		н	М					Н			Н	]
	CO3			Н			М						Н	
	CO4	Н		н					М			L	L	1
	CO5	Н											L	1
	CO6	Н												1