



E-learning

Faculty members of Mechanical engineering department have adopted innovative teaching methodologies in addition to the conventional methods of chalk and talk or blackboard teaching. These innovative methods employed keep the students actively involved in the classroom. The innovative methodologies include video lectures, experiential learning, visits to construction industry and sites, demonstration models and charts. The faculty also use various ICT based tools like presentations and animations for making the lecture more interactive.

Details of Video Lectures adopted by Mechanical Engineering Faculty

Sl.No	Name of the Faculty	Course Name	Content covered	Semester	Link
1	Mr. Krishnakumar A Jere	ATD	Performance of I C Engines Theory	4 th Sem	https://www.youtube.com/watch?v=iJMbBiEi1fM
			I C Engines Problems Part - 1		https://www.youtube.com/watch?v=4OKXRAjtZW8
			I C Engines Problems Part - 2		https://www.youtube.com/watch?v=1GBCHpLcbBo
			I C Engines Problems Part - 3		https://www.youtube.com/watch?v=tG9J5i2VnCc
			I C Engines Problems Part - 4		https://www.youtube.com/watch?v=eaZ2wrGRuoE
			I C Engines Problems from VTU QPs Part - 1		https://www.youtube.com/watch?v=KhEZbndf1Bo
			I C Engines Problems from VTU		https://www.youtube.com/watch?v=9mlTuaE99f4



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			QPs Part - 2		
			Gas Turbine Part - 1		https://www.youtube.com/watch?v=Upu3gYZ7kXc
			Gas Turbine Part - 2		https://www.youtube.com/watch?v=927BcJsUKJ4
			Gas Turbine Part - 3		https://www.youtube.com/watch?v=FNomkaZUtXI
			Gas Turbine Part-4		https://www.youtube.com/watch?v=ISTPaxaOdUk
			Reciprocating Air Compressor Part - 1		https://www.youtube.com/watch?v=HSzT5ekWKzc
			Reciprocating Air Compressor Part - 2		https://www.youtube.com/watch?v=8pov7whYK2c
			Reciprocating Air Compressor Part - 3		https://www.youtube.com/watch?v=XWdYF-P2UwI
			Psychrometric Problems Part - 1		https://www.youtube.com/watch?v=hfg_A2yGesQ
			Psychrometrics Problems Part - 2		https://www.youtube.com/watch?v=lKGH39FBTGc
			Vapour Power Cycle Part – 1		https://www.youtube.com/watch?v=D5dJJrN41os
		BTD	Fundamental Concepts & Definitions	3 rd Sem	https://www.youtube.com/watch?v=VbyGyRXKtLg



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			Part - 1		
			Fundamental Concepts & Definitions		https://www.youtube.com/watch?v=VV1KLZ5-yXE
			Part - 2		
			Fundamental Concepts & Definitions		https://www.youtube.com/watch?v=mUBUY0VxxR4
			Part - 3		
			Fundamental Concepts & Definitions		https://www.youtube.com/watch?v=B5l71peL-l8
			Part - 4		
			Fundamental Concepts & Definitions		https://www.youtube.com/watch?v=LNtklrMs2oQ
			Part - 5		
			Fundamental Concepts & Definitions		https://www.youtube.com/watch?v=oCV6PguNqnE
			Part - 6		
2	Mr. R.H.Angadi	FPE	Introduction	5 th sem	https://youtu.be/C-SYVkyDA18
			Hydraulic system		https://youtu.be/Di3yreKLvVw
			Methods of power transmission		https://youtu.be/6HuMWLeRGRk
3	Mr.Aravind M	DME-II	Syllabus	5 th sem	https://www.youtube.com/watch?v=HqYFp-muccM&list=PLOPs-kKnVafLn20ZSK9NGgqi12p1yeLgC&index=1
			Material and properties		https://www.youtube.com/watch?v=Flfw6FjVPJE&list=PLOPs-kKnVafLn20ZSK9NGgqi12p1yeLgC&index=2
			Types of load, Principle stress		https://www.youtube.com/watch?v=6hUifPurSBY&list=PLOPs-kKnVafLn20ZSK9NGgqi12p1yeLgC&index=3



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			Stress vs strain curve		https://www.youtube.com/watch?v=rrpu7sL7QbE&list=PLOPs-kKnVafLn20ZSK9NGgqi12p1yeLgC&index=4
			Theories of failure		https://www.youtube.com/watch?v=gY0vesB4WbI&list=PLOPs-kKnVafLn20ZSK9NGgqi12p1yeLgC&index=5
4	Dr. Malagouda Patil	Hydraulics & Pneumatics	Introduction to HP	7 th Sem	https://www.youtube.com/watch?v=XEWO2haROh0
					https://www.youtube.com/watch?v=VwqIQqVC2sA
					https://www.youtube.com/watch?v=mFGxMgeo4Ug
					https://www.youtube.com/watch?v=gpWXeVtl1cQ
					https://www.youtube.com/watch?v=c-HTS_OSoE
					https://www.youtube.com/watch?v=zN53emsaj5Y
					https://www.youtube.com/watch?v=ZmdQdJBxF9Y
					https://www.youtube.com/watch?v=xLnUsBX_dKI
					https://www.youtube.com/watch?v=FBLg5OaGxl4
					https://www.youtube.com/watch?v=9kDKCq4YULE
	Dr. Malagouda Patil	IC Engine	Introduction terminologies	6 th sem	https://www.youtube.com/watch?v=JtUJ8D8tFFI
			Combustion process in SI engine		https://www.youtube.com/watch?v=um1DS_Gfn2Y
			Combustion process in CI engine		https://www.youtube.com/watch?v=vtf6P_dAPXI
			Detonation in SI engine		https://www.youtube.com/watch?v=gBAdwFC0odc
			Performance parameters		https://www.youtube.com/watch?v=YxGUaHyAY5M
			Testing of IC engine		https://www.youtube.com/watch?v=E-FlWshzjaw
			Combustion		https://www.youtube.com/watch?v=-ROd_5pcmU
					https://www.youtube.com/watch?v=pJQdoe3hNbk
5	Mr. V.Sushanthkumar	Heat transfer	Introduction to Heat transfer	6 th sem	https://youtu.be/CPeN4rZbOl8?si=kciZ1O2auWKfH2em
	Mr.	Additive	syllabus	8 th sem	https://youtu.be/W-g9ughIATY



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V.Sushanthkumar	Manufacturing	Introduction		https://youtu.be/sGfQN8bRBWE
Mr. V.Sushanthkumar	Fluid Mechanics	Introsuction		https://youtu.be/D8QdLZfbf8
Mr. V.Sushanthkumar	Energy Engineering	Syllabus	7 th sem	https://youtu.be/x5AUyF8GM3I
		Peiverised fuel burning		https://youtu.be/nYms8LpWv9E
		Natural Drought cooling tower		https://youtu.be/uPGG3uLcbDI
		Diesel Power Plant		https://youtu.be/AB_B5nvVcsk
		Methods of cooling IC engine		https://youtu.be/cDR9ATLceMY
		Biomass & Green energy		https://youtu.be/x0hRcqb_S4k
		Waste Management		https://youtu.be/nBiBYIeGDt0
		Nuclear Energy		https://youtu.be/504B4W3N3tl
Mr. V.Sushanthkumar	Turbomachine	Introduction to Turbomachine	5 th sem	https://youtu.be/6YhKyBgbzrQ?si=LHmQjJxBHjXceuOg
		Static & stagnation state		https://youtu.be/Qgx9LwPJMiI?si=p_3ZHXzL3f0h9S53
		Dimensional Analysis		https://youtu.be/vTMrzyApLGw?si=gICuhSvT0HlgO3-n
		Application of Thermodyna		https://youtu.be/uArLspYRYJI?si=-DV5wvZeXHgzEWjR



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			mics		
			Performance characteristics		https://youtu.be/9cwyiBNwOP4?si=7K04vaGhqNZJO1z
			Similitude & Types		https://youtu.be/e-QiaNx7430?si=KveQL233HOQdw5_F
			Specific speed & Unit quantities		https://youtu.be/Ikt6XFUCoZk?si=Gk6tsij8nHsZlrOs
			Steam turbine-impulse turbine		https://youtu.be/hpPZDgt67vI?si=c5urKmaNYlpidH6k
			Compounding of steam turbine		https://youtu.be/QSGKiAzePh0?si=HCMT4G_nDTQp22Gu
			problems		https://youtu.be/qj_f0hlGud0?si=6EXVdkOubHba8UJn
			Problems		https://youtu.be/KVXq_vbxzi0?si=fw093liKD1AZY88a
			Problems		https://youtu.be/2PuSenWpSnY?si=rJIA7z6FJ3Lku-GF
			Problems		https://youtu.be/XNaqqVH0XWs?si=2hJsPBEhYo77Hl3X
6	Mr.C.H.Korishetti	Control Engineering	introduction	7 th sem	https://youtu.be/MRYLgBV-wgE
			Closed loop system		https://youtu.be/QJ_afb1lLyk
			Feedback system		https://youtu.be/NJ4cZ3KI7dQ
			Composite controllers		https://youtu.be/ZZtP4XzPoqg
	Mr.C.H.Korishetti	DOM		5 th sem	https://youtu.be/DjRA2xxP17k
					https://youtu.be/08PGr9F3O2I
					https://youtu.be/IGImLqZXZfA
					https://youtu.be/PHLyBaEX1Zs
7	Mr.Deepak Huddar	TRIBOL OGY			https://www.youtube.com/watch?v=W1encmoGNxY&feature=youtu.be
	Mr.Deepak	DOM			https://youtu.be/DjRA2xxP17k



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ME
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Criteria 5
Innovation in teaching

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	Huddar				
8	Mr.Girish A	FPS			https://youtu.be/08PGr9F3O2I
					https://www.youtube.com/watch?v=0TJKRc7ZsV8&feature=youtu.be
					https://www.youtube.com/watch?v=pNo8j0NoqjE&feature=youtu.be
9	Mr.Rahul Bubanale	M&EE			https://www.youtube.com/watch?v=Qw46gdj1Cw0&feature=youtu.be
		CAMD			https://youtu.be/wGtFupyAP_8
10	Mr. Raju Patil	Energy Engineering			https://www.youtube.com/watch?v=VzIMicIM3u8&feature=youtu.be
		MCF			https://www.youtube.com/watch?v=SRWsXEIKVNg&feature=youtu.be
					https://www.youtube.com/watch?v=FfzqjsJEpl0&feature=youtu.be
11	Mr.Satish Chanagond	MECHANICAL			https://www.youtube.com/watch?v=W8XutsbUwEs&feature=youtu.be
					https://www.youtube.com/watch?v=FjBS9Xevlpk&feature=youtu.be
12	Mr.Nikhil Changoli	BTD			https://www.youtube.com/watch?v=cut_tgh3n2E&feature=youtu.be
					https://www.youtube.com/watch?v=xUplwCQZgDI&feature=youtu.be