

Subject Name- Material Technology					
Code	Course Title	Paper Code	Topics		Links
PME-2201	Material Technology	PME-2201	Requirement of Engineering materials, mechanical properties of materials and their testing		https://www.youtube.com/watch?v=yqvwSe_LN18
			Structure of solid materials		https://www.youtube.com/watch?v=61Lgo56bBbg https://www.youtube.com/watch?v=dzSus_CC_nM
			Solidification of Metal and Ingot structure		https://www.youtube.com/watch?v=4xKx_eWTENU https://www.youtube.com/watch?v=tL3Rq5XP_ko
			Equilibrium Phase Diagram and phase transformation.		https://www.youtube.com/watch?v=NETcZV6Sug0
			Practical Metallographic		https://www.youtube.com/watch?v=IPjM4UGumT4
			Iron- carbon Equilibrium system.		https://www.youtube.com/watch?v=z5gnDGXm8U4
			Heat treatment of steels.		https://www.youtube.com/watch?v= jsXre6r7_A
			Ferrous metal and Alloys Non- ferrous metals and alloys Non- metallic materials Plastics Powder metallurgy		https://www.youtube.com/watch?v=3tmGHwmR-Z4 https://www.youtube.com/watch?v=L1BVe8Ug33g https://www.youtube.com/watch?v=4U6xmZKJowo
			Metal preservations		https://www.youtube.com/watch?v=T4-veTLXxa4

			Modern trends in material technology		https://www.youtube.com/watch?v=eky7KnlU9Rk

Subject Name- PRODUCTION PROCESS					
Code	Course Tittle	Paper Code	Topics		Links
PME 2202	Production process	PME 2202	Fundamentals of manufacturing process	Understanding manufacturing Advantages & limitations Classification of manufacturing process	https://youtu.be/w5aBJ6g7pbY https://youtu.be/olwZziX1yOE https://youtu.be/0ksSAyaczM
			Applications of manufacturing process	Selection of manufacturing processes Effect of manufacturing processes on Mechanical properties	https://youtu.be/mLakJ77O4_s https://youtu.be/dgJu3ybSLCQ
			Basics of casting process	Casting terminology Steps of casting process Sand moulding Pattern allowances	https://youtu.be/YtksJ12suFM https://youtu.be/rL3dLQYEEKw https://youtu.be/_Pcjz9bOsPs https://youtu.be/8EO25lnMj-l
			Gating system in casting	Core and core prints Gating system Riser design	https://youtu.be/yPpyyABaqcw https://youtu.be/CoO_akMDBbo https://youtu.be/2UzsJNikZxY

			Special casting process	Casting defects and prevention Investment and permanent mould casting	https://youtu.be/ICB41-cihGk https://youtu.be/ps2cWctKLBQ
			Metal working process	Hot and cold working Rolling process Forging process Extrusion Wire drawing Press working	https://youtu.be/dNbVsmVgOnM https://youtu.be/Xf08dgnlwXg https://youtu.be/bgMPuYn2ips https://youtu.be/773oOz38wJM https://youtu.be/9RtAis5pnq4 https://youtu.be/xLLxCVuplis
			Material removal process	Mechanisms of metal cutting Chip formation Type of chips and power consumed Heat generation Tool failure and tool life	https://youtu.be/iaOqIDuSoNs https://youtu.be/KXeF4rNlt-s https://youtu.be/Q1r7E_6MqRY https://youtu.be/VvVijjL6tM https://youtu.be/_yl8Mb3eU5I

			Grinding process		https://youtu.be/qaRyeTPxtvs https://youtu.be/uEX_P-GxDxU
			Joining of metals	Welding process Brazing , soldering and weldability Welding defects	https://youtu.be/KvSY8XC9C6I https://youtu.be/RURl6qqAWOM https://youtu.be/axaHjrVG-gQ
			Heat treatment	Normalising and tempering	https://youtu.be/gQ5x5DplLg8

Subject Name- Strength of Material					
Code	Course Title	Paper Code	Topics		Links
PME-2203	Strength of Material	PME-2203	Simple stresses and strains		https://www.youtube.com/watch?v=YkdQB0JnJD4
			Centre of Gravity and Moment of inertia		https://www.youtube.com/watch?v=nYnbfKgbUgE https://www.youtube.com/watch?v=HcNgEXuYT3k
			Shear force and bending moment		https://www.youtube.com/watch?v=gYjWWjVMmoU
			Principal planes and principal stresses		https://www.youtube.com/watch?v=WNXJYtuL_Y
			Bending stresses in beams		https://www.youtube.com/watch?v=onQUWmyEPwY
			Shear stresses in beams		https://www.youtube.com/watch?v=22BCqVsMA8Y
			Deflection of beams		https://www.youtube.com/watch?v=JECrf4Bt4UA
			Torsion of shaft		https://www.youtube.com/watch?v=OBTZAYqHSY8
			Spring		https://www.youtube.com/watch?v=YAJIromkA2U
			Column and struts		https://www.youtube.com/watch?v=JZOLTE-Lh00
			Stress in frames Thin Cylinders and spheres		https://www.youtube.com/watch?v=ZMSKaDhq2BM https://www.youtube.com/watch?v=tXPks3VXUPY

Subject Name-THERMODYAMICS					
Code	Course Tittle	Paper Code	Topics		Links
PME 2204	THERMODYAMICS	PME 2204	BASICS OF THERMODYAMICS	Introduction and fundamental concepts	https://youtu.be/9GMBpZZtjXM
				Zeroth law of thermodynamics	https://youtu.be/xQwi9fveGTQ
				First law	https://youtu.be/0jXeNaSM5Xc
				Second law	https://youtu.be/sUDfpFD0xX4
				Third law	https://youtu.be/bCToK4_dmbU
				Second law and it's corollaries I	https://youtu.be/lvy8h-yWhRQ
				Second law and it's corollaries II	https://youtu.be/5q_MMdGINgQ
				Second law and it's corollaries III	https://youtu.be/bTgeUXbFiaE
				Second law and available energy I	https://youtu.be/WFZCmGXJhYY
				Second law and available energy II	https://youtu.be/bvqyQB9_N8M
				Second law and available energy III	https://youtu.be/igucXfRjY
				THERMODYAMICS properties	https://youtu.be/xTpmdeq25YI
				Properties of pure substances I	https://youtu.be/pJM9Fh9Fp-I
				Properties of pure substances II	https://youtu.be/5HuZt0VJKB0

				Properties of ideal gaese	https://youtu.be/o9ueYSKj9og
				Vapour cycle I	https://youtu.be/4-BI22Wx4Pc
				Vapour cycle II	https://youtu.be/vt1_7f5l3hl
				Vapour cycle III	https://youtu.be/NtoTpeWAAWc
				Gas power cycle I	https://youtu.be/7A2-n443sZg
				Gas power cycle II	https://youtu.be/nSigFjQEego
				Gas power cycle III	https://youtu.be/aZBpqSCdLcU

Cod e	Course Tittle	Pape r Code	Topics	Links
PME 220 5	Theory of machine s	PME 2205	Simple Mechanism	https://www.youtube.com/watch?v=MJeRFzs4oRU&list=PLBEA57F7E7560C8E8 https://www.youtube.com/watch?v=EVqBzOGQIkI&list=PLBEA57F7E7560C8E8&index=2 https://www.youtube.com/watch?v=GF5C8dH4f5o&list=PLBEA57F7E7560C8E8&index=3 https://www.youtube.com/watch?v=fMLLoY7jxM0&list=PLBEA57F7E7560C8E8&index=4 https://www.youtube.com/watch?v=hcr8qwmYvDg&list=PLBEA57F7E7560C8E8&index=5 https://www.youtube.com/watch?v=-cUOMEJ8IPs&list=PLBEA57F7E7560C8E8&index=6
			Velocity and acceleration of points and links	https://www.youtube.com/watch?v=2r-ormpLsl&list=PLBEA57F7E7560C8E8&index=7 https://www.youtube.com/watch?v=8X0f6flyhzQ&list=PLBEA57F7E7560C8E8&index=8 https://www.youtube.com/watch?v=E-r2EDS0uP4&list=PLBEA57F7E7560C8E8&index=9 https://www.youtube.com/watch?v=vtY8Sn3wuRU&list=PLBEA57F7E7560C8E8&index=10 https://www.youtube.com/watch?v=w-KtSxnMsMQ&list=PLBEA57F7E7560C8E8&index=11 https://www.youtube.com/watch?v=R5Xkl9nDRxA&list=PLBEA57F7E7560C8E8&index=12 https://www.youtube.com/watch?v=jZi70tsqGqI&list=PLBEA57F7E7560C8E8&index=13 https://www.youtube.com/watch?v=ClbHCRRkIOE&list=PLBEA57F7E7560C8E8&index=14
			Dynamic force analysis and flywheel	https://www.youtube.com/watch?v=swgvKwyOnYk&list=PL46AAEDA6ABAFCA78&index=16 https://www.youtube.com/watch?v=oZhR1HPdvR4&list=PL46AAEDA6ABAFCA78&index=17
			Brakes and dynamometers	https://www.youtube.com/watch?v=l7vZqaPlvU8&list=PL4K9r9dYCOorRH0aqVk_6tO8ilRPjVMMyC https://www.youtube.com/watch?v=SjYOlfhktay&list=PL4K9r9dYCOorRH0aqVk_6tO8ilRPjVMMyC&index=3 https://www.youtube.com/watch?v=jCWKUKPaPTc&list=PL4K9r9dYCOorRH0aqVk_6tO8ilRPjVMMyC&index=5 https://www.youtube.com/watch?v=kVyDOZu07Rs&list=PL4K9r9dYCOorRH0aqVk_6tO8ilRPjVMMyC&index=6 https://www.youtube.com/watch?v=SLEt-k4NB8s&list=PL4K9r9dYCOorRH0aqVk_6tO8ilRPjVMMyC&index=7 https://www.youtube.com/watch?v=UzMveEPMQPQ&list=PL4K9r9dYCOorRH0aqVk_6tO8ilRPjVMMyC&index=8 https://www.youtube.com/watch?v=1-gTFnC92ug&list=PL4K9r9dYCOorRH0aqVk_6tO8ilRPjVMMyC&index=9

				https://www.youtube.com/watch?v=58h-Eb5f8JM&list=PL4K9r9dYCOorRH0aqVk_6tO8ilRPjVMMyC&index=10 https://www.youtube.com/watch?v=WUqizELOjg&list=PL4K9r9dYCOorRH0aqVk_6tO8ilRPjVMMyC&index=11
			Power transmission	https://www.youtube.com/watch?v=vcGA3UL5vhQ&list=PLkOzhDMP4lIkfAjQs8uiM01X8ocdi4qZt&index=73 https://www.youtube.com/watch?v=aDMLzKsNdD4&list=PLkOzhDMP4lIkfAjQs8uiM01X8ocdi4qZt&index=74 https://www.youtube.com/watch?v=9a2awJXZMGs&list=PLkOzhDMP4lIkfAjQs8uiM01X8ocdi4qZt&index=75 https://www.youtube.com/watch?v=bH7qll99Mck&list=PLkOzhDMP4lIkfAjQs8uiM01X8ocdi4qZt&index=76 https://www.youtube.com/watch?v=i023j-nKrZM&list=PLkOzhDMP4lIkfAjQs8uiM01X8ocdi4qZt&index=77
			Governer	https://www.youtube.com/watch?v=OlZXxPVpmBs&list=PL46AAEDA6ABAFCA78&index=18 https://www.youtube.com/watch?v=AchBiFAEeLo&list=PL46AAEDA6ABAFCA78&index=19 https://www.youtube.com/watch?v=dXsQslmyxf4&list=PL46AAEDA6ABAFCA78&index=20
			Cams and followers	https://www.youtube.com/watch?v=55tKVBVQDUY&list=PLBEA57F7E7560C8E8&index=28 https://www.youtube.com/watch?v=oQrcPiQuCHI&list=PLBEA57F7E7560C8E8&index=29 https://www.youtube.com/watch?v=drUC3VIGfnU&list=PLBEA57F7E7560C8E8&index=30 https://www.youtube.com/watch?v=sWiaAZxbG9Y&list=PLBEA57F7E7560C8E8&index=31 https://www.youtube.com/watch?v=y14pKDvBqfw&list=PLBEA57F7E7560C8E8&index=32 https://www.youtube.com/watch?v=SRH6EOBTy00&list=PLBEA57F7E7560C8E8&index=33
			Balancing of Machine parts	https://www.youtube.com/watch?v=aRuLDXMuNDc&list=PL46AAEDA6ABAFCA78&index=8 https://www.youtube.com/watch?v=HKVvJWArgg8&list=PL46AAEDA6ABAFCA78&index=9 https://www.youtube.com/watch?v=CI9xMNVTLFI&list=PL46AAEDA6ABAFCA78&index=10 https://www.youtube.com/watch?v=YoZgk1xIIW4&list=PL46AAEDA6ABAFCA78&index=12 https://www.youtube.com/watch?v=O1xeoRTIAkU&list=PL46AAEDA6ABAFCA78&index=13 https://www.youtube.com/watch?v=GPDZ4izcS2M&list=PL46AAEDA6ABAFCA78&index=14
			Vibration	https://www.youtube.com/watch?v=QSUOsQokxS8&list=PL46AAEDA6ABAFCA78&index=21 https://www.youtube.com/watch?v=KUdghVx87-g&list=PL46AAEDA6ABAFCA78&index=22 https://www.youtube.com/watch?v=VjPdIOCHQ3E&list=PL46AAEDA6ABAFCA78&index=23 https://www.youtube.com/watch?v=zvGTnyr6XP0&list=PL46AAEDA6ABAFCA78&index=24

				https://www.youtube.com/watch?v=2FwzQKR3bk&list=PL46AAEDA6ABAFCA78&index=25 https://www.youtube.com/watch?v=PCOp1AYrDOo&list=PL46AAEDA6ABAFCA78&index=26 https://www.youtube.com/watch?v=fwpat51ffSs&list=PL46AAEDA6ABAFCA78&index=27
			Gear and Gear train	https://www.youtube.com/watch?v=N0hTFnvIE7A&list=PLBEA57F7E7560C8E8&index=34 https://www.youtube.com/watch?v=ItKT2qw64E8&list=PLBEA57F7E7560C8E8&index=35 https://www.youtube.com/watch?v=wzZdMZxKwF4&list=PLBEA57F7E7560C8E8&index=36 https://www.youtube.com/watch?v=8E70qjdE6fl&list=PLBEA57F7E7560C8E8&index=37 https://www.youtube.com/watch?v=c_kU_lqaFRk&list=PLBEA57F7E7560C8E8&index=38 https://www.youtube.com/watch?v=a6O861Et2aQ&list=PLBEA57F7E7560C8E8&index=39

Subject Name- Fluid Mechanics					
Code	Course Tittle	Paper Code	Topics		Links
PME-2251	Fluid Mechanics	PME-2251	Fundamentals Of Fluid Flow		https://www.youtube.com/watch?v=PgKsr2_-oxc
			Pressure And Its Measurement		https://www.youtube.com/watch?v=wRI-6YpjsNQ
			Buoyancy And Floation		https://www.youtube.com/watch?v=gVdK39LBlbs
			Dimensional And Model Analysis		https://www.youtube.com/watch?v=nEnE2ZDbhQY
			Basic Equation Of Fluid Flow		https://www.youtube.com/watch?v=F7L4ZCWtp94
			Flow Through Pipes		https://www.youtube.com/watch?v=9XjEmYzGdGk
			Hydraulic Machines (Turbines)		https://www.youtube.com/watch?v=zu3nP0dTLso
			Hydraulic Machines (Water Pumps)		https://www.youtube.com/watch?v=A-TGkGsbAPl

Subject Name- IC ENGINE					
Code	Course Tittle	Paper Code	Topics		Links
PME 2252	IC ENGINE	PME 2252	Introduction to IC ENGINE	External and internal combustion engines , engine components , SI and CI ENGINE Four stroke and two stroke engines Classification of IC ENGINE	https://youtu.be/sRu-majrRmM https://youtu.be/q-CfzNh99sQ https://youtu.be/SU5VTGR2giY
			Air standard cycles	Otto ,diesel and dual cycles Comparison between cycles	1.) https://youtu.be/03aVTKQeXNY 2.) https://youtu.be/9H01exiYCYc https://youtu.be/gCKiXpIQ8n8
			Carburation	CARBURETTOR and mixture requirement Idling , cruising and power ranges	https://youtu.be/1I7jRI2dmgc https://youtu.be/XT-DjBqkiJU https://youtu.be/bxCDraWXm0Y https://youtu.be/bxCDraWXm0Y

			Ignition and LUBRICATION system	Battery ignition system Si injection system Mechanical and electronic injection system Engine friction and lubrication	https://youtu.be/SIXjNg5vEjc https://youtu.be/gbID5bHIAzU https://youtu.be/y8FN-TV3eSw https://youtu.be/VuIB-5MvdOs
			Fuel injection system	Heat transfer and energy distribution Octane and cetane no. and cooling systems Problems in IC engine	https://youtu.be/k-4EIQIMhUw https://youtu.be/rGSApiN-NGg https://youtu.be/2-tqOH4mKLU
			Alternative fuels	Types of fuels, requirements and characteristics	https://youtu.be/VnGH2EScMDE
			Combustion in SI AND CI ENGINES	Combustion in SI ENGINE Combustion in CI ENGINE	https://youtu.be/iuleZom8zv4 https://youtu.be/ATilXUj0Z7U

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Subject Name- Industrial Engineering and Entrepreneurship

Cod e	Course Tittle	Pap er Cod e	Topics	Links
PM E 225 4	Industrial Engineering and Entrepreneurs hip	PME 2254	Management Concepts	https://www.youtube.com/watch?v=0GyKxRYx1tQ https://www.youtube.com/watch?v=RlozYN_rhkA https://www.youtube.com/watch?v=6e4s_AmOI_k https://www.youtube.com/watch?v=Nel1dwimFS8 https://www.youtube.com/watch?v=fLixyDdRxdS https://www.youtube.com/watch?v=Mi84r1LK80
			Material Management and Inventory Control	https://www.youtube.com/watch?v=XP_zi6GbU_Q https://www.youtube.com/watch?v=ZpUD9kkPTil https://www.youtube.com/watch?v=fFR1nYhF_iw https://www.youtube.com/watch?v=8iAwz25wCkQ https://www.youtube.com/watch?v=IATiZLMjZ48 https://www.youtube.com/watch?v=mRyYWOTJsBQ https://www.youtube.com/watch?v=f8HcfV9NFsQ https://www.youtube.com/watch?v=ea6FN9clF_c https://www.youtube.com/watch?v=QRB0a7F0JY
			Project Scheduling	https://www.youtube.com/watch?v=6s82PFphIB4 https://www.youtube.com/watch?v=2GgML93ww2E https://www.youtube.com/watch?v=oD-DPF2jw4A https://www.youtube.com/watch?v=Op3TAx8QP-E https://www.youtube.com/watch?v=epE6B_18g-o https://www.youtube.com/watch?v=-LcDKG2dWew
			Organisation Culture	https://www.youtube.com/watch?v=8fiNNSC_7ug&t=79s https://www.youtube.com/watch?v=HcUAYBi5OT0&t https://www.youtube.com/watch?v=UblVoF5u31I

				https://www.youtube.com/watch?v=gRsm29Pjrj4&list=PLtXlgroUwTXedVUIAHEH_cOxDI4xzHpNT&index=34 https://www.youtube.com/watch?v=QH92zUXNRvE&list=PLtXlgroUwTXedVUIAHEH_cOxDI4xzHpNT&index=35 https://www.youtube.com/watch?v=lmjNujLWx0E&list=PLtXlgroUwTXedVUIAHEH_cOxDI4xzHpNT&index=36 https://www.youtube.com/watch?v=AqZX-UeN1_A&list=PLtXlgroUwTXedVUIAHEH_cOxDI4xzHpNT&index=37 https://www.youtube.com/watch?v=zupvnzYGXZ8
			Industrial Relations	https://www.youtube.com/watch?v=aQnY2TETPzk&list=PLtXlgroUwTXedVUIAHEH_cOxDI4xzHpNT&index=11 https://www.youtube.com/watch?v=x7wFbxbP870&list=PLtXlgroUwTXedVUIAHEH_cOxDI4xzHpNT&index=12 https://www.youtube.com/watch?v=oi3aY-oAoX8&list=PLtXlgroUwTXedVUIAHEH_cOxDI4xzHpNT&index=13 https://www.youtube.com/watch?v=ytZ4-Qz0kwM&list=PLtXlgroUwTXedVUIAHEH_cOxDI4xzHpNT&index=14 https://www.youtube.com/watch?v=ex_z135QSqk&list=PLtXlgroUwTXedVUIAHEH_cOxDI4xzHpNT&index=16 https://www.youtube.com/watch?v=YqI8X_iAH5A&t https://www.youtube.com/watch?v=JpS45Ey-QpU https://www.youtube.com/watch?v=yMFsNRfINLU https://www.youtube.com/watch?v=6J-VvleH06k
			Entrepreneurs hip	https://www.youtube.com/watch?v=hnBla1FfcLo&list=PLWPirh4EWFpFdjXD-sMiUb_Pf9LillhGI&index=2 https://www.youtube.com/watch?v=Z-wddGo0Qww&list=PLWPirh4EWFpFdjXD-sMiUb_Pf9LillhGI&index=4 https://www.youtube.com/watch?v=5oI2H533N2c&list=PLWPirh4EWFpFdjXD-sMiUb_Pf9LillhGI&index=5 https://www.youtube.com/watch?v=sVaqWABhVOg https://www.youtube.com/watch?v=xB2Vx9CqPwM https://www.youtube.com/watch?v=1RtZEK4J8X8&list=PL-ZxmUJb8PI19pV_sjIRVudXuFPz5adI

				https://www.youtube.com/watch?v=RSVHWuoOLzl&list=PL-ZxmUJb8PI19pV_sjpIRVudXuFPz5adl&index=2 https://www.youtube.com/watch?v=lr4yb4OTvts&list=PL-ZxmUJb8PI19pV_sjpIRVudXuFPz5adl&index=3 https://www.youtube.com/watch?v=BdjTd7XiB_w&list=PL-ZxmUJb8PI19pV_sjpIRVudXuFPz5adl&index=4 https://www.youtube.com/watch?v=1u36CE7oeFc&list=PL-ZxmUJb8PI19pV_sjpIRVudXuFPz5adl&index=9 https://www.youtube.com/watch?v=qRM4dk2OM9Y&list=PL-ZxmUJb8PI19pV_sjpIRVudXuFPz5adl&index=10
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Subject Name- MACHINE TOOL TECHNOLOGY

Code	Course Tittle	Paper Code	Topics	Links
PME-2254	MACHINE TOOL TECHNOLOGY	PME-2254	Introduction of Machine Tool	https://www.youtube.com/watch?v=ie06Hxpg1G0
			METAL CUTTING THEORY	https://www.youtube.com/watch?v=ND0etRwukjk
			LATHE	https://www.youtube.com/watch?v=VK4wrSERCj4
			SHAPER, DRILLING & BORING MACHINE	https://www.youtube.com/watch?v= xtBW55xA1Q https://www.youtube.com/watch?v=LjV9tT7LCv4
			MILLING MACHINES	https://www.youtube.com/watch?v=qG2Qtdd9zt0
			GRINDING MACHINES AND FINISHING PROCESSES	https://www.youtube.com/watch?v=QMEiPdtES58 https://www.youtube.com/watch?v=KxZJ6aJCTvc
			SPECIAL PURPOSE MACHINES	https://www.youtube.com/watch?v=GGB0VyAORtk
			NC /CNC MACHINES	https://www.youtube.com/watch?v=h-chOBRWLX4
			JIGS AND FIXTURES	https://www.youtube.com/watch?v=ko0_d7EDsTQ
			MACHINE TOOL DRIVES	https://www.youtube.com/watch?v=HM8qnl03ku4
			NON CONVENTIONAL MACHINING	https://www.youtube.com/watch?v=W0_RFE9kITs

Subject Name- Mechanical Drafting

Code	Course Tittle	Paper Code	Topics	Links
PME-2255	Mechanical Drafting	PME-2255	PROJECTION AND MULTI VIEW REPRESENTATION	https://youtu.be/UFxrJEVYBwk?t=1
			SECTIONAL VIEWS	https://youtu.be/ShXqO8bJzmE?t=57
			DIMENSIONING TOLERANCE, MACHINING AND WELDING SYMBOLS	https://www.youtube.com/watch?v=KZCkU9i-fiA https://www.youtube.com/watch?v=FbWo3QRJepI
			PRODUCTION DRAWING	https://www.youtube.com/watch?v=5E8SCm0K0_4
			INTRODUCTION TO AUTO CAD	https://www.youtube.com/watch?v=sMVe97gN9wo
			APPLICATION OF AUTO CAD	https://www.youtube.com/watch?v=ifM0JQ6-Nus
			GEAR DRAWING	https://www.youtube.com/watch?v=cEuQjJnREhA
			PIPE DRAFTING	https://www.youtube.com/watch?v=3sVNxCs1iQc
			GRAPH AND CHARTS	https://www.youtube.com/watch?v=uHRqkGXX55I

Subject Name- Industrial Engg & Quality Control					
Code	Course Title	Paper Code	Topics		Links
PME-3201	Industrial Engg & Quality Control	PME-3201	Introduction of IE and QA		https://www.youtube.com/watch?v=jeD_iIJYdsw
			Productivity		https://www.youtube.com/watch?v=0U9Rsv8DFfA
			Work study		https://www.youtube.com/watch?v=Jn7maaQAEzM
			Method study		https://www.youtube.com/watch?v=oRq9FL0si7Y
			Principles of motion economy		https://www.youtube.com/watch?v=HUaDmtdImxk
			Micro Motion Study		https://www.youtube.com/watch?v=1D99FCtnOOQ
			Work Measurement		https://www.youtube.com/watch?v=j5D2jEssbAo
			MOST Technique for work measurement		https://www.youtube.com/watch?v=TPkxhWAJvPw
			Job evaluation, wages and incentives		https://www.youtube.com/watch?v=BkGM3zLwIS8 https://www.youtube.com/watch?v=TmVTLBJu-X8 https://www.youtube.com/watch?v=bZzwp3FKas0
			Material Handling		https://www.youtube.com/watch?v=Ss54Ca1Ltio
			Statistical quality control		https://www.youtube.com/watch?v=gUPUuhVZfFE

			Control charts for variables	https://www.youtube.com/watch?v=MW9oGtjKg-k
			Control Charts for Attributes	https://www.youtube.com/watch?v=AatGnlsOdAY
			Acceptance sampling	https://www.youtube.com/watch?v=xZgfnVXTYRQ
			Total Quality Management (TQM)	https://www.youtube.com/watch?v=m01pZhkLrjE

Subject Name- Machine Design				
Code	Course Title	Paper Code	Topics	Links
PME-3202	Machine Design	PME-3202	Introduction to Machine Design	https://www.youtube.com/watch?v=mzWMdZZaHwI&list=PL3D4EECEFAA99D9BE https://www.youtube.com/watch?v=ofmbhbVCUqI&list=PL3D4EECEFAA99D9BE&index=2 https://www.youtube.com/watch?v=m9l1tVXyFp8&list=PL3D4EECEFAA99D9BE&index=3 https://www.youtube.com/watch?v=yH04FSBiCdk&list=PL3D4EECEFAA99D9BE&index=4 https://www.youtube.com/watch?v=SuM-4yMMv4Y https://www.youtube.com/watch?v=UsTOctabRYY https://www.youtube.com/watch?v=BBKFpiPpRKY https://www.youtube.com/watch?v=alyfzhgd9o8
			Design of Machine Elements Subjected to Direct and Shear Loads	https://www.youtube.com/watch?v=J9Aj17MAyLY&list=PL3D4EECEFAA99D9BE&index=13 https://www.youtube.com/watch?v=OT6VcqVooGY&list=PL3D4EECEFAA99D9BE&index=14
			Design of Machine Elements Subjected to Bending Moment, Twisting Moment and Combined Bending and Twisting Moment	https://www.youtube.com/watch?v=G0bShPqHn5c&list=PL3D4EECEFAA99D9BE&index=15 https://www.youtube.com/watch?v=uGxfchLe_I&list=PL3D4EECEFAA99D9BE&index=20 https://www.youtube.com/watch?v=4nlQwVqruRo&list=PL3D4EECEFAA99D9BE&index=21 https://www.youtube.com/watch?v=Qfhlea6KzZA&list=PL3D4EECEFAA99D9BE&index=27 https://www.youtube.com/watch?v=46quOD7V-cQ&list=PL3D4EECEFAA99D9BE&index=28 https://www.youtube.com/watch?v=T4lgtlkBnOo&list=PL3D4EECEFAA99D9BE&index=29 https://www.youtube.com/watch?v=dKfriV8H9-8&list=PL3D4EECEFAA99D9BE&index=34
			Design of Riveted Joint	https://www.youtube.com/watch?v=C5ZPaCvoigw&list=PL3D4EECEFAA99D9BE&index=22
			Design of Simple Welded Joints	https://www.youtube.com/watch?v=7b1bd-lgra0&list=PL3D4EECEFAA99D9BE&index=23 https://www.youtube.com/watch?v=LQpxTqHB_p8&list=PL3D4EECEFAA99D9BE&index=24 https://www.youtube.com/watch?v=py5xbKHGA&list=PL3D4EECEFAA99D9BE&index=25 https://www.youtube.com/watch?v=c5riYimFlrY&list=PL3D4EECEFAA99D9BE&index=26

			Design of Threaded Joints	https://www.youtube.com/watch?v=Z38Aq9ykUCM&list=PL3D4EECEFAA99D9BE&index=16 https://www.youtube.com/watch?v=4qGvOWgJk9s&list=PL3D4EECEFAA99D9BE&index=17
			Selection of Rolling and Sliding contact Bearing	https://www.youtube.com/watch?v=9vYM3P-RuYY&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal https://www.youtube.com/watch?v=1JHQm7YNemM&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=2 https://www.youtube.com/watch?v=CLMdkexbt3E&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=3 https://www.youtube.com/watch?v=gpa9yXds7hU&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=4 https://www.youtube.com/watch?v=ZOfyZl-4m8&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=5 https://www.youtube.com/watch?v=pDfr-hbe-6M&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=6 https://www.youtube.com/watch?v=M1oWpOk9ULg&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=7 https://www.youtube.com/watch?v=uMjw2MXq9a0&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=8 https://www.youtube.com/watch?v=e9QvH8FSCWs&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=9 https://www.youtube.com/watch?v=e9QvH8FSCWs&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=10 https://www.youtube.com/watch?v=VjbeLz0_grQ&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=11 https://www.youtube.com/watch?v=Qx_kfF00TUU&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=12 https://www.youtube.com/watch?v=J1RnJ3vDDK4&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=13 https://www.youtube.com/watch?v=mTO7U-Xptak&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=14 https://www.youtube.com/watch?v=LxTV8CpgrnQ&list=PLelAq9xzEDXCb2rmz55CEvtmODI6d2hal&index=15
			Design of Clutch	https://www.youtube.com/watch?v=0UhDnbsTuU8 https://www.youtube.com/watch?v=D4xlsS8zoLI https://www.youtube.com/watch?v=zznzz94YF_o https://www.youtube.com/watch?v=GfQnQoq55cl

Subject Name-METROLOGY AND INSTRUMENTATION

Code	Course Tittle	Paper Code	Topics		Links
PME 3203	Metrology and instrumentation	PME 3203	Introduction to metrology	Introduction	https://youtu.be/HpIEeBtJupY
				Terminologies	https://youtu.be/jpHzjhYyKO4
				Measurement errors	https://youtu.be/7VNyyInaVsU
			Linear metrology	Angle plate, spring callipers ,steel rule	https://youtu.be/u8UW9O1UHCw
				Combination set , vernier calliper	https://youtu.be/SBGacenZ_80
				Height guage and micrometer	https://youtu.be/ioyRjm-dSul
				Dial indicator , depth guage , thickness guage	https://youtu.be/xPUjQAtre7Q
			Limits fits and tolerances	Manufacturing tolerances and fits	https://youtu.be/-_qz8_sbhwY
				Terminologies of limits fits and tolerances	https://youtu.be/c8TKftViusQ
				Selection fits and	https://youtu.be/rbk28swliHU

				geometrical tolerances	
				Design of limit guage	https://youtu.be/zmxjIFeCUM
			Measurement of squareness , flatness and straightness		https://youtu.be/CtGXjmqZqWc
			Measurement of surface finish	Basics of surface roughness	https://youtu.be/dzh82H2Nuk
				Surface finish parameters	https://youtu.be/99zzBRKYLwQ
			Interferometry	Basics of interferometry	https://youtu.be/Qv5YzrqL6sU
				Interferometer	https://youtu.be/Cyz00qLobK8
			Compractors	Introduction to compractors and mechanical compractor	https://youtu.be/Hi7NUJdznc0
				Electrical and optical compractor	https://youtu.be/2vgkxHe_24g
				Pneumatic compractors	https://youtu.be/TyM28gmhJcc

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Subject Name-PROCESS PLANNING ESTIMATION AND COSTING

Code	Course Tittle	Paper Code	Topics		Links
PME 3204	PPE & C	PME 3204	Basics of process planning	Process planning	https://youtu.be/y24meNZbUoU
				Building estimation and costing	https://youtu.be/r0aDjTLxy5c
				Introduction of estimating	https://youtu.be/7NdMVleY-T0
			Cost estimating	Basics of cost estimating	https://youtu.be/kgh5MQjA5do
			Estimation of machining time	Machining time in lathe	https://youtu.be/dje_JXy-CDo
				Turning operation	https://youtu.be/ioC1HSsprFk
				Thread cutting	https://youtu.be/Jv3msJ8P26g
			Numerical problems I		https://youtu.be/iXhRX69HZQg
			Numerical problems II		https://youtu.be/WCwFumPIDc4
			Numerical problems on threading operation		https://youtu.be/77_os7Bnjto
			Estimation of macinne shop		https://youtu.be/ZTNIOWYJtiQ
			Estimation of drilling time		https://youtu.be/_lo_Jygu8XI
			Estimation of project cost		https://youtu.be/GGikveOcaJw

			Numerical problems I		https://youtu.be/fd_0EZxhdOs
			Numerical problems on forging		https://youtu.be/48ZCvIN7qPQ
			Basics concept of estimating. And costing		https://youtu.be/3hSIXwWZE2I
			Estimation and costing part II		https://youtu.be/0veqwkJ_o6o
			Weight calculation and cost calculation		https://youtu.be/ooWbmy6pUts

Subject Name- refrigeration and air conditioning				
Code	Course Tittle	Paper Code	Topics	Links
PME-3205	refrigeration and air conditioning	PME-3205	Introduction to refrigeration	https://www.youtube.com/watch?v=K5ptil2fe8s
			Vapour Compression Refrigeration System	https://www.youtube.com/watch?v=gPOO7FUHw88
			Basic Components of VCRS	https://www.youtube.com/watch?v=nx9dWcMcmUk
			Refrigerants	https://www.youtube.com/watch?v=0BOVDcMxlyY
			Vapour Absorption Refrigeration System	https://www.youtube.com/watch?v=AruGgf-R13A
			Psychrometry	https://www.youtube.com/watch?v=FNzGGvCKsOs https://www.youtube.com/watch?v=fsijELG5Ufo
			Refrigeration Fittings, Tools, Charging & leak detection	https://www.youtube.com/watch?v=OVPfzvpX3EQ https://www.youtube.com/watch?v=mZ-OLcvILCU
			Air conditioning system	https://www.youtube.com/watch?v=23VRLsVIX3E
			Cooling Load estimation	https://www.youtube.com/watch?v=rTBoP8LbTJA https://www.youtube.com/watch?v=UysmXgc9d9s
			Applications of RAC	https://www.youtube.com/watch?v=AfFF9u-mK2Y

Subject Name- Automobile Engineering					
Code	Course Title	Paper Code	Topics		Links
PME 3251	Automobile Engineering	PME 3251	Auto Engines	Introduction	https://www.youtube.com/watch?v=x5oGxwJZf2Q&list=PLelAq9xzEDXBaKqVv4lwbdBLKwgYK4GRR&index=1 https://www.youtube.com/watch?v=MLR2wbmjRQE&list=PLelAq9xzEDXBaKqVv4lwbdBLKwgYK4GRR&index=2
				IC ENGINES	https://www.youtube.com/watch?v=sRu-majrRmM&list=PLwdnzlV3ogoXHbVnKWL1BYOo_8PpyNtnC&index=2 https://www.youtube.com/watch?v=q-CfzNh99sQ&list=PLwdnzlV3ogoXHbVnKWL1BYOo_8PpyNtnC&index=3 https://www.youtube.com/watch?v=SU5VTGR2giY&list=PLwdnzlV3ogoXHbVnKWL1BYOo_8PpyNtnC&index=4
				Carburetor	https://www.youtube.com/watch?v=1I7jRI2dmgc&list=PLwdnzlV3ogoXHbVnKWL1BYOo_8PpyNtnC&index=10 https://www.youtube.com/watch?v=XT-DjBqkiJU&list=PLwdnzlV3ogoXHbVnKWL1BYOo_8PpyNtnC&index=11 https://www.youtube.com/watch?v=bxCDraWXm0Y&list=PLwdnzlV3ogoXHbVnKWL1BYOo_8PpyNtnC&index=12 https://www.youtube.com/watch?v=p-HCTZjhCjI&list=PLwdnzlV3ogoXHbVnKWL1BYOo_8PpyNtnC&index=13
				Engine Cycles	https://www.youtube.com/watch?v=yCCcNI4VTfI&list=PLwdnzlV3ogoXHbVnKWL1BYOo_8PpyNtnC&index=8
				Lubrication System	https://www.youtube.com/watch?v=VuIB-5MvdOs&list=PLwdnzlV3ogoXHbVnKWL1BYOo_8PpyNtnC&index=18 https://www.youtube.com/watch?v=glqE0DX3hcQ&list=PLwdnzlV3ogoXHbVnKWL1BYOo_8PpyNtnC&index=19
				Cooling System	https://www.youtube.com/watch?v=vSJB5vEdTtk https://www.youtube.com/watch?v=6vkm5fbSscU
			Auto Electric System	Car starting circuit	https://www.youtube.com/watch?v=TxrwPATb4nw
				Charging System	https://www.youtube.com/watch?v=2_sZud7BI3U&list=PLC53WshdV8in8NSgOeu8UDNQI_x1F1Ozi&index=30&t=0s https://www.youtube.com/watch?v=S9k0uyqVGV0 https://www.youtube.com/watch?v=FpzlZq_wDL4

					https://www.youtube.com/watch?v=2OuyiyvjEpI https://www.youtube.com/watch?v=b94bIBH9b6Y https://www.youtube.com/watch?v=0gWJ8OqkpHM
				Firing Order	https://www.youtube.com/watch?v=ss0GMKBYCks
				Ignition System	https://www.youtube.com/watch?v=BJvzPRCYuPQ https://www.youtube.com/watch?v=egDJxvg4FEo&list=PLzCSUZGIUJka8nAlp7L8h https://www.youtube.com/watch?v=2IosZDDqctU&list=PLwdnzlV3ogoXHbVnKWL1BYOo_8PpyNtnC&index=14 https://www.youtube.com/watch?v=z4xkPyQn_ZU
				Car Starting System	https://www.youtube.com/watch?v=LacIcZjH_Cw&t=58s https://www.youtube.com/watch?v=QiBOTa8K4vI https://www.youtube.com/watch?v=LacIcZjH_Cw https://www.youtube.com/watch?v=qsYJ7nVzAzW
				Car Battery	https://www.youtube.com/watch?v=tBUN762tUts https://www.youtube.com/watch?v=fV-bOK2V-Kw https://www.youtube.com/watch?v=N_C9hFGnIlc
			Trans mission System	Introducti on	https://www.youtube.com/watch?v=g8lHX7gPm_4&t=139s
				Clutch	https://www.youtube.com/watch?v=devo3kdSPQY https://www.youtube.com/watch?v=xWyX1mMdoic https://www.youtube.com/watch?v=vujfLVYLWG0 https://www.youtube.com/watch?v=kak34XxRTMA&list=PLC53WshdV8in8NSgOeu8UDNQI_x1F1Ozi&index=14 https://www.youtube.com/watch?v=nFskxbMQSQg&list=PLzCSUZGIUJka8nAlp7L8hI-40epZAENJb&index=30&t=0s https://www.youtube.com/watch?v=7ZX4AIFxVEE https://www.youtube.com/watch?v=21Uv06t4Y-k&list=PLSWRPBzGkib887Ttlm5Bouj_7Cpcgs9pv&index=2 https://www.youtube.com/watch?v=CAk_Jb2Aza0&list=PLSWRPBzGkib887Ttlm5Bouj_7Cpcgs9pv&index=6 https://www.youtube.com/watch?v=aRynNrSfPd0&list=PLSWRPBzGkib887Ttlm5Bouj_7Cpcgs9pv&index=3 https://www.youtube.com/watch?v=M6_X4QRI1Mk&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=11 https://www.youtube.com/watch?v=J1JvFq0uall&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=6 https://www.youtube.com/watch?v=X0S4OPut6Ac&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=7 https://www.youtube.com/watch?v=bLcdUsX6fkU&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=8

				Gear Box	https://www.youtube.com/watch?v=qQxTutps2Rk&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=3 https://www.youtube.com/watch?v=mAGco048SOE&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=4 https://www.youtube.com/watch?v=qNoyzUQ4rpo&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=5
			Final Drive System	Propeller Shaft and Universal Joint	https://www.youtube.com/watch?v=y8QaD8NjLxM https://www.youtube.com/watch?v=ffzGA5sXsNM&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=2
				Rear Axle and Differential	https://www.youtube.com/watch?v=38CbTy8GmY0 https://www.youtube.com/watch?v=LwHMyYHpALc&t=129s https://www.youtube.com/watch?v=MCKGTVLkgnS https://www.youtube.com/watch?v=WWV0UEXk9vM https://www.youtube.com/watch?v=ouB-E0pbyYc&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=1
			Braking System		https://www.slideshare.net/surajshandilya/braking-systems https://learnmechanical.com/brake-system/ https://www.mechanicalbooster.com/2018/06/types-of-braking-system.html https://www.youtube.com/watch?v=8tknwBILlvk&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=20 https://www.youtube.com/watch?v=8U_af12RnnQ&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=22 https://www.youtube.com/watch?v=pVWCH5049c0&list=PLxUmNri4cRzD1ZTHIkvlon17RuphBxS5S&index=23 https://www.youtube.com/watch?v=HDzYsQn4rIE&list=PLC53WshdV8in8NSgOeu8UDNQI_x1F1Ozi&index=25&t=0s https://www.youtube.com/watch?v=k5V4cSHkm0I https://www.youtube.com/watch?v=JmqfSGRvUA4 https://www.youtube.com/watch?v=vTUTTPy_zJs
			Front Axle and Steering		https://www.youtube.com/watch?v=VrBeL9pp0Ig https://www.youtube.com/watch?v=efNpQEROBdw&list=PLelAq9xzEDXBaKqVv4IwbdBLKwgYK4GRR&index=7 https://www.youtube.com/watch?v=ne8R262rgE&list=PLelAq9xzEDXBaKqVv4IwbdBLKwgYK4GRR&index=8 https://www.youtube.com/watch?v=XHdygQxScQw&list=PLelAq9xzEDXBaKqVv4IwbdBLKwgYK4GRR&index=9 https://www.youtube.com/watch?v=reIWBZ02Vvc&list=PLelAq9xzEDXBaKqVv4IwbdBLKwgYK4GRR&index=10 https://www.youtube.com/watch?v=vRpOM1x0DxA&list=PLelAq9xzEDXBaKqVv4IwbdBLKwgYK4GRR&index=11 https://www.youtube.com/watch?v=ZuBlfAFm310&list=PLelAq9xzEDXBaKqVv4IwbdBLKwgYK4GRR&index=15

					https://www.youtube.com/watch?v=FeXZq_w9mZo
			Frame and Suspension	Frame	https://www.youtube.com/watch?v=A4Jk6rUcGMM&list=PLeIAq9xzEDXBaKqVv4lwbdBLKwgYK4GRR&index=3 https://www.youtube.com/watch?v=w5QGuGw08Ho&list=PLeIAq9xzEDXBaKqVv4lwbdBLKwgYK4GRR&index=4 https://www.youtube.com/watch?v=vlxSdCOXXDc&list=PLeIAq9xzEDXBaKqVv4lwbdBLKwgYK4GRR&index=5 https://www.youtube.com/watch?v=3A_im5S75d0&list=PLeIAq9xzEDXBaKqVv4lwbdBLKwgYK4GRR&index=6 https://www.youtube.com/watch?v=I0kToZLtaOQ&t=148s
				Suspension	https://www.youtube.com/watch?v=LLtd2QQw2DA&list=PLeIAq9xzEDXBaKqVv4lwbdBLKwgYK4GRR&index=37 https://www.youtube.com/watch?v=CUV8KKEUfco&list=PLeIAq9xzEDXBaKqVv4lwbdBLKwgYK4GRR&index=38 https://www.youtube.com/watch?v=txnfFH4zIPM&list=PLeIAq9xzEDXBaKqVv4lwbdBLKwgYK4GRR&index=39 https://www.youtube.com/watch?v=u-i-ISKFzCk&list=PLeIAq9xzEDXBaKqVv4lwbdBLKwgYK4GRR&index=40 https://www.youtube.com/watch?v=AfVXzsh6ZoE&list=PLeIAq9xzEDXBaKqVv4lwbdBLKwgYK4GRR&index=42 https://www.youtube.com/watch?v=1IVjhvvmTEE https://www.youtube.com/watch?v=JQfLIEKvAjc https://www.youtube.com/watch?v=h2fsNPU1UUo

Subject Name- CAD CAM

Code	Course Tittle	Paper Code	Topics	Links
3252	CAD CAM	3252	Introduction to CAD/CAM	https://www.youtube.com/watch?v=vO1lc75jtiM
			Automation and its types	https://www.youtube.com/watch?v=7KR5r_O0W74
			Design procedure	https://www.youtube.com/watch?v=kU18kIKzvg8
			CAD procedure	https://www.youtube.com/watch?v=-BdAJECq6zw
			Hardware of CAD/CAM System	https://www.youtube.com/watch?v=a8YUrSu99OE
			Memory devices, input devices, display devices, output devices and storage devices	https://www.youtube.com/watch?v=-Dfc7kJjMps https://www.youtube.com/watch?v=J9jJ1Jv4ozE https://www.youtube.com/watch?v=ZpJPbPiSwwU
			CNC controller	https://www.youtube.com/watch?v=SxINAMJdDRw
			CNC components	https://www.youtube.com/watch?v=BetZXIX13k4
			Conveyers and robot units	https://www.youtube.com/watch?v=Ss54Ca1Ltio
			Introduction to CAD software	https://www.youtube.com/watch?v=sMVe97gN9wo
			2D transformation	https://www.youtube.com/watch?v=dp1Vr0odIM4
			3D Modeling: Wire frame and solid type	https://www.youtube.com/watch?v=8dPX_58-X2o https://www.youtube.com/watch?v=TN9waino0f8
			Introduction to Conventional Numerical Control	https://www.youtube.com/watch?v=h-chOBRWLX4

			NC coordinate systems, fixed zero and floating zero,	https://www.youtube.com/watch?v=5ZwtQhaAFIU https://www.youtube.com/watch?v=Dv2StimIM2Q
			Absolute and incremental positioning	https://www.youtube.com/watch?v=X5tLiNcRKUk
			Open and closed loop axis positioning systems	https://www.youtube.com/watch?v=HveeWxrCONY https://www.youtube.com/watch?v=TCR828Hb4tk
			NC Part program and different codes used in it: N,G,M,F,S,T codes	https://www.youtube.com/watch?v=ZgWYoFWTKJc https://www.youtube.com/watch?v=yOOQz0ePGss
			Manual and Computer assisted part programming	https://www.youtube.com/watch?v=viUNH5iGIBA
			Introduction to NC part programming languages like APT	https://www.youtube.com/watch?v=Ocx0kIMw7LQ https://www.youtube.com/watch?v=sJm1Nyb-AkE
			Different type of computer controls : CNC, DNC and Adaptive	https://www.youtube.com/watch?v=DXLebzeUGeg https://www.youtube.com/watch?v=RtQXIBGpDBs https://www.youtube.com/watch?v=TDpRn7jUlrM
			Introduction to NC Programming.	https://www.youtube.com/watch?v=ZgWYoFWTKJc
			NC Control technology	https://www.youtube.com/watch?v=UDmNk_mkq48
			General Configuration, functions, and advantage of CNC, straight and hybrid CNC	https://www.youtube.com/watch?v=XMYKAbJThOU https://www.youtube.com/watch?v=RtQXIBGpDBs https://www.youtube.com/watch?v=nYrIN2Ee-pg
			General Configuration, types, functions, of DNC, BTR	https://www.youtube.com/watch?v=hbW3W-N7azQ https://www.youtube.com/watch?v=DXLebzeUGeg https://www.youtube.com/watch?v=hCsD8WAoqks

			adaptive control, ACC and ACO systems	https://www.youtube.com/watch?v=SWenNccN6NU https://www.youtube.com/watch?v=l87ssy0Fegl
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Subject Name- Power Plant Engineering					
Code	Course Tittle	Paper Code	Topics		Links
PME-3261	Power Plant Engineering	PME-3261	Steam Power Plant		https://www.youtube.com/watch?v=A0q2JGDnWBk
			Steam Generators		https://www.youtube.com/watch?v=-eYXVYvIAc4
			Steam Prime mover		https://www.youtube.com/watch?v=NMiyAydlt3E
			Condensing Unit		https://www.youtube.com/watch?v=4otyoH21mo4
			Steam Power Station Control and Safety		https://www.youtube.com/watch?v=jVFuljZJero
			Nuclear Power Stations		https://www.youtube.com/watch?v=E_tHU31OwrQ
			Diesel Power Plants		https://www.youtube.com/watch?v=nAXhKfKa9_A
			Gas Turbine Powers Plants		https://www.youtube.com/watch?v=uc3oroLbCVo
			Hydro Electric Plants		https://www.youtube.com/watch?v=cuPGyBZcr00