

	S J P N Trust's Hirasugar Institute of Technology, Nidasoshi. <i>Inculcating values, Promoting Prosperity</i> Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi. Accredited at "A" Grade by NAAC and Recognized Under Section 2(f) of UGC Act, 1956	MED Academics NPTEL Video Links 2018-19
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Self-learning facilities and availability of materials for learning beyond syllabus

Sl. No	Facilities created	Materials for learning beyond syllabus & capacity.
01	NPTEL	Linked the URL of NPTEL Video Lecturer to the College Website

NPTEL Video Links of Mechanical Engineering Subjects

Sl. No.	Subject	Subject Code	Website
1	Elements of Mechanical Engineering	15EME14/ 15EME24	https://www.youtube.com/watch?v=Ew_xRvXorKU
			https://www.youtube.com/watch?v=6QXtnmB1vqk
			https://www.youtube.com/watch?v=vIJ50aUiBgM
			https://www.youtube.com/watch?v=O0Yvwfjvlnk&list=PLf3AuUgr7vBpWC3dgsj3JaI39Qtiehq59
			https://www.youtube.com/watch?v=qbbmQniDAec
			https://www.youtube.com/watch?v=4PsJkXO70Xc
			https://www.youtube.com/watch?v=p_LgK0Ffg20
			https://www.youtube.com/watch?v=SvIZHHDXCZs
			https://www.youtube.com/watch?v=oJPGioHgNjU
			https://www.youtube.com/watch?v=jF4F8Zr2YO8
https://www.youtube.com/watch?v=OOfXhz4In_w			
2	Computer Aided Engineering Drawing	15CED14	https://www.youtube.com/watch?v=hET58JV-oZI
			https://www.youtube.com/watch?v=Nczefo-YgKs
			https://www.youtube.com/watch?v=XWy9FMPVE4s
			https://www.youtube.com/watch?v=7-zq81tDwmM
			https://www.youtube.com/watch?v=dvy6QjHOQ0g
			https://www.youtube.com/watch?v=qbsa81gWCXM
			https://www.youtube.com/watch?v=zIblZ7dt3Dk
			https://www.youtube.com/watch?v=zXrTnNBn9Hk
https://www.youtube.com/watch?v=bMQpEq3VxPo			
https://www.youtube.com/watch?v=21_hkBKrseY			
3	Mechanical Measurement and Metrology	10ME32B	https://youtu.be/5qnZ4bA-1PY
			https://www.youtube.com/watch?v=AP_T7hf5Wv0
			https://www.youtube.com/watch?v=xPGi2e-gOo8
			https://www.youtube.com/watch?v=Hlvbr5DCEfM
			https://www.youtube.com/watch?v=0MP_9n08urA
https://www.youtube.com/watch?v=nb7NETKtvYQ			
4	Basic Thermodynamics	10ME33	https://www.youtube.com/watch?v=9GMBpZZtjXM&list=PLD8E646BAB3366BC8
			https://www.youtube.com/watch?v=pJM9Fh9Fp-I
			https://www.youtube.com/watch?v=LUZrZJJ7zNq
			https://www.youtube.com/watch?v=lvy8h-yWhRQ



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			https://www.youtube.com/watch?v=SUVVheK0rf4 https://www.youtube.com/watch?v=AyJbCutoWg4&t=8s https://www.youtube.com/watch?v=o9ueYSKj9og
5	CAMD	10ME36A/ 10 ME46A	https://www.youtube.com/watch?v=ElUEuY-9rk0&list=PLZromd0Sfe3J2NALVm6E2VSSsG0bPeaa0&index=8 https://www.youtube.com/watch?v=zF8Q5MeFYaw&list=PLZromd0Sfe3LO8tZvUdtg59i2aPX20kS9&index=5 https://www.youtube.com/watch?v=TQ_0X1MWUOE https://www.youtube.com/watch?v=Mu8wOZnYt7E https://www.youtube.com/watch?v=EhIKMeITuu4 https://www.youtube.com/watch?v=B_6VDL7n9uQ https://www.youtube.com/watch?v=ZmsekZ9_QLE
6	Engg. Mathematics	10MAT31	http://www.nptelvideos.com/lecture.php?id=13438 http://www.nptelvideos.com/lecture.php?id=14288 http://www.nptelvideos.com/lecture.php?id=13586 http://www.nptelvideos.com/lecture.php?id=14525 http://www.nptelvideos.com/lecture.php?id=14000
7	Material Science	10ME32A	https://www.youtube.com/watch?v=b4jvpYxxZco&list=PLE34EAAA410160DD6 https://www.youtube.com/watch?v=AH3ekqeiYzo https://www.youtube.com/watch?v=RJ-OCEz7wd0&list=PLbMVogVj5nJQ5jqixDYuE6ETz5F5Kn4dA https://www.youtube.com/watch?v=7x3c8trbtQs&list=PLNzsXLmq8uAGi7FAdI0YEJg327yUcCr9T https://www.youtube.com/watch?v=5vaYfd0fekI https://www.youtube.com/watch?v=MoiJSjwjbxs
8	Mechanics of Materials (mom)	10ME34	https://nptel.ac.in/courses/112105124/5 https://www.youtube.com/watch?v=GkFgysZC4Vc&list=PL27C4A6AEA552F9E6 https://nptel.ac.in/courses/112107147/ https://nptel.ac.in/courses/105105108/ http://www.nptelvideos.in/2012/11/strength-of-materials-prof.html https://www.btechguru.com/GATE--mechanical-



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			engineering--design--failure-theories--theories-of-failure-video-lecture--13053--23--191.html
9	Manufacturing Process-I	10ME35	https://nptel.ac.in/courses/nptel_download.php?subjectid=112107083
			https://nptel.ac.in/courses/nptel_download.php?subjectid=112107083
			https://nptel.ac.in/courses/nptel_download.php?subjectid=112107083
			https://nptel.ac.in/courses/nptel_download.php?subjectid=112107215
			https://nptel.ac.in/courses/112103263/1
			https://nptel.ac.in/courses/112103263/24
			https://nptel.ac.in/courses/112103263/23
			https://nptel.ac.in/courses/nptel_download.php?subjectid=112103263
			https://nptel.ac.in/courses/nptel_download.php?subjectid=112107089
			https://www.youtube.com/watch?v=ToIT-WFBm_w
			https://www.youtube.com/watch?v=XMSaX-3tOUw
			https://www.youtube.com/watch?v=Dwpptl0YBgc
https://nptel.ac.in/courses/nptel_download.php?subjectid=112107089			
10	Fluid Mechanics	10ME36B	https://www.youtube.com/watch?v=e6a2q9k2JCA
			https://www.youtube.com/watch?v=sA99mw3D2Ds
			https://www.youtube.com/watch?v=A0BuHEqDm88
			https://www.youtube.com/watch?v=qGQ4fojjwvQ
			https://www.youtube.com/watch?v=wHMHxO9Ys_0
			https://www.youtube.com/watch?v=oUF3hWw4tY4
			https://www.youtube.com/watch?v=g0kpcCBuXe0
			https://www.youtube.com/watch?v=WmWw_IB6nv4
			https://www.youtube.com/watch?v=-PIEvVuuPoI
			https://www.youtube.com/watch?v=yYYzEdJHkak
			https://www.youtube.com/watch?v=nMIXU97E-uQ
			https://www.youtube.com/watch?v=2RefIvqaYg8
			https://www.youtube.com/watch?v=grMmkSP637w
			https://www.youtube.com/watch?v=nhd8fCCAllo
			https://www.youtube.com/watch?v=6kTvQEMwOfM
https://www.youtube.com/watch?v=E8yPWd-DwcQ			
https://www.youtube.com/watch?v=96fYQFPgwzU			
https://www.youtube.com/watch?v=c6ndD5kTkP4			
https://www.youtube.com/channel/UCkDw-LPU1Nnd2WRsfnDbUcA?v=IN20VrPmxdk			
https://www.youtube.com/watch?v=jn_g6cW9r0w			
https://www.youtube.com/watch?v=UJ3-Zm1wbIQ			
https://www.youtube.com/watch?v=bC8v6hlXnSk			



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			https://www.youtube.com/watch?v=mgeIWXld9FU https://www.youtube.com/watch?v=JH3l-NliCkM https://www.youtube.com/watch?v=vxJrb7JKigQ https://www.youtube.com/watch?v=5w4cJBdFHFw https://www.youtube.com/watch?v=6DFe8eUrbcl https://www.youtube.com/watch?v=G4rbUtAxgHM https://www.youtube.com/watch?v=UflurPbj-UA https://www.youtube.com/watch?v=5ltjFEei3AI https://www.youtube.com/watch?v=9_xhJ0-ORog https://www.youtube.com/watch?v=w78JT6azrZU https://www.youtube.com/watch?v=Fev8FWVcC-A https://www.youtube.com/watch?v=gsUlaQ6IxSU https://www.youtube.com/watch?v=O0TBcasl8u0
			https://www.youtube.com/watch?v=FHXkouhw758 https://www.youtube.com/watch?v=BJ96HCVTTew https://www.youtube.com/watch?v=AkBn-lpWgVs https://www.youtube.com/watch?v=LBJ3tXCjzN0 https://www.youtube.com/watch?v=X871jMv0aKk https://www.youtube.com/watch?v=Bhqo6ne6Y_A https://www.youtube.com/watch?v=tUSG6SMsn10 https://www.youtube.com/watch?v=ltpSEn-vQS8 https://www.youtube.com/watch?v=B-z54jx8u5k https://www.youtube.com/watch?v=e6a2q9k2JCA https://www.youtube.com/watch?v=sA99mw3D2Ds https://www.youtube.com/watch?v=A0BuHEqDm88 https://www.youtube.com/watch?v=qGQ4fojjwvQ https://www.youtube.com/watch?v=wHMHxO9Ys_0 https://www.youtube.com/watch?v=oUF3hWw4tY4
11	Mechanical Measurements and Metrology	10MEL37	https://www.youtube.com/watch?v=5--saq-YBE&list=PLrcSDk_gQ7jiQCfWEzw93ZMaxHkg2v-CC https://www.youtube.com/watch?v=5--saq-oYBE&list=PLrcSDk_gQ7jiQCfWEzw93ZMaxHkg2v-CC&index=1 https://www.youtube.com/watch?v=HcYmEVgeU3Y&list=PLrcSDk_gQ7jiQCfWEzw93ZMaxHkg2v-CC&index=2 https://www.youtube.com/watch?v=Jrd0RC1SGNg&list=PLrcSDk_gQ7jiQCfWEzw93ZMaxHkg2v-CC&index=3 https://www.youtube.com/watch?v=85ol2Y11ti4&list=PLrcSDk_gQ7jiQCfWEzw93ZMaxHkg2v-CC&index=4 https://www.youtube.com/watch?v=Vo8T9AcpZ3I&list=PLrcSDk_gQ7jiQCfWEzw93ZMaxHkg2v-CC&index=6 https://www.youtube.com/watch?v=43BINJQUMlc&index=7&list=PLrcSDk_gQ7jiQCfWEzw93ZMaxHkg2v-CC



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			https://www.youtube.com/watch?v=fZ6-85-DrAw&index=9&list=PLrcSDk_gQ7jiQCfWEzw93ZMaxHkg2v-CC
12	Engg. Mathematics – IV	10MAT41	http://www.nptelvideos.com/lecture.php?id=13426 (Cauchy's integral Thm)
			http://www.nptelvideos.com/lecture.php?id=13428
			http://www.nptelvideos.com/lecture.php?id=14415
			http://www.nptelvideos.com/lecture.php?id=13449
			http://www.nptelvideos.com/lecture.php?id=14415
13	Applied Thermodynamics	10ME43	https://www.youtube.com/watch?v=G02aeguJBwc
			https://www.youtube.com/watch?v=CU28a-5Ker8
			https://www.youtube.com/watch?v=ub86Dhg67tM
			https://www.youtube.com/watch?v=vu9aNXlhbEI
			https://www.youtube.com/watch?v=e2IryaMQQ6A
14	Kinematics Of Machines	10ME44	https://nptel.ac.in/courses/112104121/2
			https://nptel.ac.in/courses/112105236/21
			https://nptel.ac.in/courses/112105234/8
			https://nptel.ac.in/courses/112105219/2
			https://nptel.ac.in/courses/112104121/28
15	Mechanical Measurements And Metrology	10ME42B	https://www.youtube.com/watch?v=Mdn2VbIACAU&list=PL41FA714195562989&index=2
			https://www.youtube.com/watch?v=74OsWxWR4do&list=PL41FA714195562989&index=3
			https://www.youtube.com/watch?v=_8KId6_OUiQ&list=PL41FA714195562989&index=4
			https://www.youtube.com/watch?v=SxEvQrxjPtM&index=5&list=PL41FA714195562989
			https://www.youtube.com/watch?v=esV46jQUCIU&list=PL41FA714195562989&index=6
			https://www.youtube.com/watch?v=3aB3G15h0ho&list=PL41FA714195562989&index=8
			https://www.youtube.com/watch?v=GNOI_7ftbQ0&list=PL41FA714195562989&index=9
			https://www.youtube.com/watch?v=c31i3JOTkuc&list=PL41FA714195562989&index=10
			https://www.youtube.com/watch?v=_q7P9UCaeIo&index=11&list=PL41FA714195562989
			https://www.youtube.com/watch?v=PWXhWm3oQ68&index=13&list=PL41FA714195562989
			https://www.youtube.com/watch?v=KgRB6d8erGE&list=PL41FA714195562989&index=15



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			https://www.youtube.com/watch?v=a9tawff4LuI&list=PL41FA714195562989&index=18 https://www.youtube.com/watch?v=eQ_nnykfinY&list=PL41FA714195562989&index=21
16	Manufacturing Process II	10ME45	https://youtu.be/Qx-Kx4GapgI https://youtu.be/1A2mUdoua5Q https://youtu.be/XLriJNaygQc a) https://youtu.be/OBO7Keg2Lv8 b) https://youtu.be/VE_xMqM-p0k https://youtu.be/IR2KhMTI5RM a) https://youtu.be/qaRyeTPxtvs b) https://youtu.be/YUUTEV9yd7g https://youtu.be/vsNAPRIKAVs a) https://youtu.be/cxU1zUOpGLk b) https://youtu.be/xf6TbK68hHY
17	CAMD	10ME36A/ 10ME46A	https://www.youtube.com/watch?v=ElUEuY-9rk0&list=PLZromd0Sfe3J2NALVm6E2VSSsG0bPeaa0&index=8 https://www.youtube.com/watch?v=zF8Q5MeFYaw&list=PLZromd0Sfe3LO8tZvUdtg59i2aPX20kS9&index=5 https://www.youtube.com/watch?v=TQ_0X1MWUOE https://www.youtube.com/watch?v=MU8wOZnYt7E https://www.youtube.com/watch?v=EhIKMeITuu4 https://www.youtube.com/watch?v=B_6VDL7n9uQ https://www.youtube.com/watch?v=ZmsekZ9_QLE
18	Design Of Elements- 1 & 2	10ME52 & 10ME62	https://nptel.ac.in/courses/112105124/5 https://nptel.ac.in/courses/112105124/16 https://nptel.ac.in/courses/112105124/17 https://www.btechguru.com/GATE--mechanical-engineering--design--principles-of-the-design-of-machine-elements---riveted-joints--rivet-joints-video-lecture--13056--23--191.html 1. https://nptel.ac.in/courses/112105124/24 2. https://nptel.ac.in/courses/112105124/25 1. https://nptel.ac.in/courses/112105124/20 2. https://nptel.ac.in/courses/112105124/21 https://nptel.ac.in/courses/112105124/34 1. https://nptel.ac.in/courses/112105124/18 2. https://nptel.ac.in/courses/112105124/19
19	Energy Engineering	10ME53	https://www.youtube.com/watch?v=IdPTuwKEfmA https://www.youtube.com/watch?v=-aGzkDGIYSs https://www.youtube.com/watch?v=eozC5zyRc30 https://www.youtube.com/watch?v=AcOgsq-Qxyg https://www.youtube.com/watch?v=QJAxjXQSWpw https://www.youtube.com/watch?v=v8VZhiqzEOM https://www.youtube.com/watch?v=eu4T080dsG8 https://www.youtube.com/watch?v=AcyFY3iAdlw https://www.youtube.com/watch?v=iUXHzYLgrB0



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20	Management Entrepreneurship & engg economics	10AL51	https://www.youtube.com/watch?v=cYmqzdII XOI https://www.youtube.com/watch?v=lezdu_5Lcs https://www.youtube.com/watch?v=Yh2oAq3vxpI https://www.youtube.com/watch?v=ldnLXLPWaLY https://www.youtube.com/watch?v=hnBla1FfcLo https://www.youtube.com/watch?v=NCtyl1ILH7k https://www.youtube.com/watch?v=2IOXdF_uOuA https://www.youtube.com/watch?v=I-9yBBIZjOs https://www.youtube.com/watch?v=LrSZKiqcAcw https://www.youtube.com/watch?v=x_LAJnKFGD0 https://www.youtube.com/watch?v=cIzbhaDEDMU
21	MPIII	10ME55	https://nptel.ac.in/courses/112107145/5 https://nptel.ac.in/courses/112107145/7 https://nptel.ac.in/courses/112107221/7 https://nptel.ac.in/courses/112107145/12
22	Turbo Machines	10ME56	https://www.youtube.com/watch?v=7DpKkcttQOw https://www.youtube.com/watch?v=GQHCnWl2U6I&list=PLaBkWsxheCWf8prf0yqgrNFMImNNAZoXL https://www.youtube.com/watch?v=9jAZ2eWy-Q4 https://www.youtube.com/watch?v=HpoilOJ1Ahc https://www.youtube.com/watch?v=p54HAatQOoA https://www.youtube.com/watch?v=b1dyUVA19kQ
23	Computer Integrated Manufacturing	10ME61	a) https://youtu.be/3N0kWzC6jmE b) http://nptel.ac.in/courses/112107143/36 c) http://nptel.ac.in/courses/112103174/35 a) https://slideplayer.com/slide/10902330/ b) https://youtu.be/oxMdDsud5vg a) https://youtu.be/XXkZC-LYJoM b) https://youtu.be/7rEY9GZdmFs c) https://rekadayaupaya.wordpress.com/2013/05/03/5-2-analysis-of-transfer-lines-without-storage/ a) https://youtu.be/cTtu2P9dGqE



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			b) https://youtu.be/pYsXcyNYPjE c) https://youtu.be/4zbPkqyXfcY a) http://nptel.ac.in/courses/Webcourse-contents/IIT-Delhi/ b) http://www.nptel.ac.in/courses/112107142/23 a) https://nptel.ac.in/courses/112102106/40 b) https://nptel.ac.in/courses/112107238/58 a) https://youtu.be/IVxySA5KdXw b) https://youtu.be/5XihF05K4yM c) https://youtu.be/FNYEXjRmDtI
24	Management & Entrepreneurship	10AL51	https://youtu.be/TsZukmeaewc https://youtu.be/p8LxBQDPvAQ https://youtu.be/UEXRsz3vKx0 https://youtu.be/2vCMm1_MFpQ
25	Finite Element Analysis	10ME64	https://www.youtube.com/watch?v=KR74TQesUoQ&list=PLbMVogVj5nJRjnZA9oryBmDdUNe7lbnB https://www.youtube.com/watch?v=HLMQbX_EjwQ&list=PLhSp9OSVmeyJ_ZMEAsKMexQPQU2IG6ZkR https://www.youtube.com/watch?v=zuJkRIkAcSM https://www.youtube.com/watch?v=UCFg9bcW7Bk https://www.youtube.com/watch?v=CJ84Wvlsu24 https://www.youtube.com/watch?v=ICDZ5uLGrI4
26	Non Traditional Machining	10ME665	https://www.youtube.com/watch?v=XXm4Cf_N9CA https://www.youtube.com/watch?v=FYOsugdD274 https://www.youtube.com/watch?v=Uybg6VDLoRQ https://www.youtube.com/watch?v=aWQsEX1TrSI https://www.youtube.com/watch?v=Fr0oFSX8Uwg https://www.youtube.com/watch?v=mgaukC25Hqk
27	Heat and Mass Transfer	10ME63	https://www.youtube.com/watch?v=BfYG3R3eo0c https://www.youtube.com/watch?v=P7gcqDECyxw https://www.youtube.com/watch?v=6NTrRdR0VZE&t=487s https://www.youtube.com/watch?v=QyYZzbTEaVo https://www.youtube.com/watch?v=RmjuDWKRYg4&t=119s https://www.youtube.com/watch?v=jc_hL_tSFzo&t=471s https://www.youtube.com/watch?v=GgFSBuf3AIE&t=662s
28	Statistical Quality Control	10ME668	https://nptel.ac.in/courses/nptel_download.php?subjectid=112107143 https://www.youtube.com/watch?v=aaQXMbpbNKw https://www.youtube.com/watch?v=tSbB5GtW1d0 https://www.youtube.com/watch?v=qb3mvJ1gb9g



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			https://www.youtube.com/watch?v=ouMnoLcK6uw
			https://www.youtube.com/watch?v=xJ3czkvNxpK
29	Engineering Economics	10ME71	https://www.youtube.com/watch?v=kega_QOCvxQ&list=PLRW1FgIW06IpkWmpII_1qrXIPPzZdc7-V
			https://www.youtube.com/watch?v=VaZLXTULXqE
			https://www.youtube.com/watch?v=2nYkCfdiC3E
			https://www.youtube.com/watch?v=bgGF4XRfQDk
			https://www.youtube.com/watch?v=eoyOIK0dr2M
30	Hydraulics & Pneumatics	10ME73	https://youtu.be/8xd7cWvMrvE
			https://youtu.be/yx3DzindtXU
			https://youtu.be/0pgGn4CkDTM
			https://youtu.be/41Pxr8edtvU
			https://youtu.be/wKsNQpffRJU
			https://youtu.be/EHGyCP2eWTg
31	Operations Research	10ME74	https://www.youtube.com/watch?v=a2QgdDk4Xjw&list=PL05350A31E6C09B7A
			https://www.youtube.com/watch?v=XEA1pOtyrfo&index=3&list=PL05350A31E6C09B7A
			https://www.youtube.com/watch?v=wdGiekwXM2w&list=PL05350A31E6C09B7A&index=5
			https://www.youtube.com/watch?v=cCBFC8LmNDE&list=PL05350A31E6C09B7A&index=6
			https://www.youtube.com/watch?v=sNjyHyTLc44&list=PL05350A31E6C09B7A&index=7
			https://www.youtube.com/watch?v=gmDwUCvOJQ8&list=PL05350A31E6C09B7A&index=8
			https://www.youtube.com/watch?v=ziHfSkOhAmsg&list=PL05350A31E6C09B7A&index=9
			https://www.youtube.com/watch?v=_-Mlp3w1Brc&list=PL05350A31E6C09B7A&index=12
			https://www.youtube.com/watch?v=BUGIhEecipE&index=16&list=PL05350A31E6C09B7A
			https://www.youtube.com/watch?v=0BGyhfOATRs&index=18&list=PL05350A31E6C09B7A
32	Mechanical Vibration	10ME72	https://www.youtube.com/watch?v=YbFgNsM6r44
			https://www.youtube.com/watch?v=k2FvSzWeVxQ
			https://www.youtube.com/watch?v=QIdIcCn6YGc
			https://www.youtube.com/watch?v=lMxIj4gBYIA
			https://www.youtube.com/watch?v=USa0VYAEzug
			https://www.youtube.com/watch?v=Tz4r5BSqC6M
33	Operations Research	10ME74	https://www.youtube.com/watch?v=Q31jKiEXxdc&index=13&list=PLjc8ejfjppTf0LaDEHgLB3gCHZYcNtsoX
			https://www.youtube.com/watch?v=BUGIhEecipE&index=16&list=PLjc8ejfjppTf0LaDEHgLB3gCHZYcNtsoX
			https://www.youtube.com/watch?v=h0bdo6qNVw&index=33&list=PLjc8ejfjppTf0LaDEHgLB3gCHZYcNtsoX
			https://www.youtube.com/watch?v=xGkpXk-AnWU&index=30&list=PLjc8ejfjppTf0LaDEHgLB3gCHZYcNtsoX

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34	Product Life Cycle Management	10ME769	https://www.youtube.com/watch?v=_26E6QR_hmU
			https://www.youtube.com/watch?v=d-ZOOhsfZ-I
			https://www.youtube.com/watch?v=YeK0smIfG0E
			https://www.youtube.com/watch?v=MR570ctnGzM
			https://www.youtube.com/watch?v=5Z5UcqsKJoA
			https://www.youtube.com/watch?v=Xy1t0uJJf8I
			https://www.youtube.com/watch?v=rkNxYvyQ7VE
35	Total Quality Management	10ME758	https://youtu.be/YKwxcjUnots
			https://youtu.be/dVLERJ5IdrA
			https://youtu.be/UuIqRW9PEXg
			https://youtu.be/B3rC_d9IpNI
			https://youtu.be/SMOQV2CyVQo?list=PL8F39D0611CB7BD3B
			https://youtu.be/o1O_6nu90YQ
36	Automotive Engineering	10ME844	a) https://youtu.be/saPGX-1qC4M
			b) https://youtu.be/zA_19bHxEYg
			a) https://youtu.be/y5p31F_dVJU
			b) https://youtu.be/mmmcj53TNic
			a) (CI engine) https://youtu.be/Z5_vfZhMWOg
			b) (SI engine) https://youtu.be/m6-KZS19HDU
			a) https://youtu.be/_vaw5zwnhrA
			b) https://youtu.be/fHRX3Uzppv4
			a) https://youtu.be/wCu9W9xNwI
			b) https://youtu.be/QPaUJfA1KsY
a) propeller shaft https://youtu.be/lbXb_s7UomU			
b) universal joint_ https://youtu.be/LCMZz6YhbOQ			
a) https://youtu.be/nMQxqsyuJKE			
b) https://youtu.be/DKql4Is8Pas			
a) https://youtu.be/qBD2XjejCEI			
b) https://youtu.be/W6dIsC_eGBI			
37	Operations Management	10ME81	https://www.youtube.com/watch?v=_VJkKZFuRvE
			https://www.youtube.com/watch?v=pMm5TnupegI
			https://www.youtube.com/watch?v=DVEbZ__FNRg
			https://www.youtube.com/watch?v=m0eSxQfJ360
			https://www.youtube.com/watch?v=Ic_El2DkjpA
			https://www.youtube.com/watch?v=fFR1nYhF_iw
			https://www.youtube.com/watch?v=1kU8HG5Y9Kc
			https://www.youtube.com/watch?v=6RFiU8j_PIA
https://www.youtube.com/watch?v=Nrl0CtS1m8Y			



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38	Control Engineering	10ME82	http://www.controleng.com/magazine.html
			http://www.controleng.com/magazine/digital-edition.html
			https://en.wikipedia.org/wiki/Control_Engineering_(magazine)
39	Power Plant Engg	10ME833	https://youtu.be/iWWyI8CZhUw
			https://youtu.be/IdPTuwKEfmA
			https://youtu.be/6ThiShJ7LXg
			https://youtu.be/IKBqTOgOQTM
			https://youtu.be/4LGxEhBmIKw
			https://youtu.be/SFCpyfYSdFs
40	Tribology	10ME831	https://www.youtube.com/watch?v=aoWBUhN3-0&list=PLbMVogVj5nJRCfyN1QEiBsNFek8d00kWw&index=1
			https://www.youtube.com/watch?v=45CcdjPrxoM
			https://www.youtube.com/watch?v=YBxAa2fOWqk&list=PLbMVogVj5nJRCfyN1QEiBsNFek8d00kWw&index=40
			https://www.youtube.com/watch?v=4zFrTHk2X3s&index=6&list=PLbMVogVj5nJRCfyN1QEiBsNFek8d00kWw
			https://www.youtube.com/watch?v=vGI7nQUbWGM&index=31&list=PLbMVogVj5nJRCfyN1QEiBsNFek8d00kWw
			https://www.youtube.com/watch?v=aoWBUhN3-0&list=PLbMVogVj5nJRCfyN1QEiBsNFek8d00kWw&index=1