



தொழில்நுட்பம் பயிலும் மாணவர்களுக்கான

காணாளி விரிவுரைகள்

**தொழில் நுட்பக் கல்வி இயக்ககம்,
சென்னை – 600 025**

Engineering maths 1			
unit	topic	url	qr
1	algebra part 1	https://www.youtube.com/watch?v=F5CBVx1Wdc8&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=1	
	algebra part 2	https://www.youtube.com/watch?v=nvN7mP42FOM&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=2	
	algebra part 3	https://www.youtube.com/watch?v=MRfXOHyVKb8&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=3	
	algebra part 4	https://www.youtube.com/watch?v=AXPZaa9lCJs&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=4	
	algebra part 5	https://www.youtube.com/watch?v=12K38fHyD2g&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=5	
	algebra part 6	https://www.youtube.com/watch?v=LglqH10rDcE&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=6	
	algebra part 7	https://www.youtube.com/watch?v=bpLYclFyHK0&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=7	
	algebra part 8	https://www.youtube.com/watch?v=2eQDhxOArn0&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=8	

	algebra part 9	https://www.youtube.com/watch?v=l-Ofir2PiXU&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=9	
2			
	COMPLEX NUMBERS PART 1	https://www.youtube.com/watch?v=hN8ohjjKHc4&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=10	
	COMPLEX NUMBERS PART 2	https://www.youtube.com/watch?v=yFxaQTIvkhE&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=11	
	COMPLEX NUMBERS PART 3	https://www.youtube.com/watch?v=CKN0MuMHy3w&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=12	
	COMPLEX NUMBERS PART 4	https://www.youtube.com/watch?v=grhsUDFs7l&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=13	
	COMPLEX NUMBERS PART 5	https://www.youtube.com/watch?v=wnPeV9pnzrE&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=14	
	COMPLEX NUMBERS PART 6	https://www.youtube.com/watch?v=A4D4BDcc8gw&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=15	
	COMPLEX NUMBERS PART 7	https://www.youtube.com/watch?v=GMiib0a6Zno&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=16	

	COMPLEX NUMBERS PART 8	https://www.youtube.com/watch?v=tl4esXLiu0&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=17	
	COMPLEX NUMBERS PART 9	https://www.youtube.com/watch?v=y=U9D4iSQMlgA&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=18	
3			
	TRIGONOMETRY PART 1	https://www.youtube.com/watch?v=gCfw1goLpqE&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=19	
	TRIGONOMETRY PART 2	https://www.youtube.com/watch?v=e-nEYob2x4M&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=20	
	TRIGONOMETRY PART 3	https://www.youtube.com/watch?v=aZvlw49B29g&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=21	
	TRIGONOMETRY PART 4	https://www.youtube.com/watch?v=a8vCbd00UcE&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=22	
	TRIGONOMETRY PART 5	https://www.youtube.com/watch?v=6YODuxaH9Tc&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=23	
	TRIGONOMETRY PART 6	https://www.youtube.com/watch?v=96yX_T60ys0&list=PL1b9Ht9ISqlEJtEKI-IHzPS-cj_k17om&index=24	

	TRIGONOMETRY PART 7	https://www.youtube.com/watch?v=X0w38h34XxY&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=25	
	TRIGONOMETRY PART 8	https://www.youtube.com/watch?v=OAD_FY-R2e4&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=26	
	TRIGONOMETRY PART 9	https://www.youtube.com/watch?v=jWUINLWiBzo&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=27	
	TRIGONOMETRY PART 10	https://www.youtube.com/watch?v=trrQ-8G4WG4&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=28	
4			
	INVERSE TRIGONOMETRIC RATIOS AND DIFFERENTIAL CALCULUS 1	https://www.youtube.com/watch?v=U-IHiYcEMrc&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=29	
	INVERSE TRIGONOMETRIC RATIOS AND DIFFERENTIAL CALCULUS 2	https://www.youtube.com/watch?v=-NtFy62QRyE&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=30	
	INVERSE TRIGONOMETRIC RATIOS AND DIFFERENTIAL CALCULUS 3	https://www.youtube.com/watch?v=xRcBo7EoAco&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=31	
	INVERSE TRIGONOMETRIC RATIOS AND DIFFERENTIAL CALCULUS 4	https://www.youtube.com/watch?v=7Uwb2X56VHY&list=PL1b9Ht9ISqIEJtEKI-IHzPS-cj_k17om&index=35	

	INVERSE TRIGONOMETRIC RATIOS AND DIFFERENTIAL CALCULUS 5	https://www.youtube.com/watch?v=onR4jA8W7eo&list=PL1b9Ht9ISqIEJtEKI-lHzPS-cj_k17om&index=36	
5	DIFFERENTIAL CALCULUS 1	https://www.youtube.com/watch?v=G7iknKrAOQI&list=PL1b9Ht9ISqIEJtEKI-lHzPS-cj_k17om&index=32	
	DIFFERENTIAL CALCULUS 2	https://www.youtube.com/watch?v=dMG88S50kCM&list=PL1b9Ht9ISqIEJtEKI-lHzPS-cj_k17om&index=33	
	DIFFERENTIAL CALCULUS 3	https://www.youtube.com/watch?v=F-rl2RF2BW4&list=PL1b9Ht9ISqIEJtEKI-lHzPS-cj_k17om&index=34	
	DIFFERENTIAL CALCULUS 4	https://www.youtube.com/watch?v=Z11v2RzPqU&list=PL1b9Ht9ISqIEJtEKI-lHzPS-cj_k17om&index=37	
	DIFFERENTIAL CALCULUS 5	https://www.youtube.com/watch?v=SfXAdtY8d_A&list=PL1b9Ht9ISqIEJtEKI-lHzPS-cj_k17om&index=38	

ENGINEERING MATHS 2			
UNIT	TOPICS	URL	QR
1	ANALYTICAL GEOMETRY 1 PART 1	https://www.youtube.com/watch?v=BzvxLSkr90&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=1	
	ANALYTICAL GEOMETRY 1 PART 2	https://www.youtube.com/watch?v=A10gRy2z-Hw&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=2	
	ANALYTICAL GEOMETRY 1 PART 3	https://www.youtube.com/watch?v=lgueUvtijos&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=3	
	ANALYTICAL GEOMETRY 1 PART 4	https://www.youtube.com/watch?v=jT_rQf_Dq8l&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=4	
	ANALYTICAL GEOMETRY 1 PART 5	https://www.youtube.com/watch?v=lwRZsbMxegk&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=5	
2			
	VECTOR ALGEBRA 1 PART 1	https://www.youtube.com/watch?v=ag_s0H0_qME&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=6	
	VECTOR ALGEBRA 1 PART 2	https://www.youtube.com/watch?v=r2HnMW1PEsQ&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=7	
	VECTOR ALGEBRA 1 PART 3	https://www.youtube.com/watch?v=96-lwpDdLuA&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=8	

	VECTOR ALGEBRA 1 PART 4	https://www.youtube.com/watch? v=wNO9LPqryqo&list=PL1b9Ht9ISqlFkZCBefwWQp38MjRZD7UG&index=9	
3	VECTOR ALGEBRA 2 PART 1	https://www.youtube.com/watch? v=F1wHdMwoLc&list=PL1b9Ht9ISqlFkZCBefwWQp38MjRZD7UG&index=10	
	VECTOR ALGEBRA 2 PART 2	https://www.youtube.com/watch? v=BD_2UR7k5MU&list=PL1b9Ht9ISqlFkZCBefwWQp38MjRZD7UG&index=11	
	VECTOR ALGEBRA 2 PART 3	https://www.youtube.com/watch? v=8MoB8WgUeo0&list=PL1b9Ht9ISqlFkZCBefwWQp38MjRZD7UG&index=12	
	VECTOR ALGEBRA 2 PART 4	https://www.youtube.com/watch? v=tgyqOsXWxko&list=PL1b9Ht9ISqlFkZCBefwWQp38MjRZD7UG&index=13	
	VECTOR ALGEBRA 2 PART 5	https://www.youtube.com/watch? v=R1vF9GLpht0&list=PL1b9Ht9ISqlFkZCBefwWQp38MjRZD7UG&index=14	
4	INTEGRAL CALCULUS 1 PART 1	https://www.youtube.com/watch?v=-eOFALZ-S8s&list=PL1b9Ht9ISqlFkZCBefwWQp38MjRZD7UG&index=15	
	INTEGRAL CALCULUS 1 PART 2	https://www.youtube.com/watch? v=GB4w_df6f_o&list=PL1b9Ht9ISqlFkZCBefwWQp38MjRZD7UG&index=16	

	INTEGRAL CALCULUS 1 PART 3	https://www.youtube.com/watch? v=9aFT76gkn5Y&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=17	
	INTEGRAL CALCULUS 1 PART 4	https://www.youtube.com/watch? v=TqPSpl36pUI&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=18	
	INTEGRAL CALCULUS 1 PART 5	https://www.youtube.com/watch? v=8cCwX6ZD7KA&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=19	
5			
	INTEGRAL CALCULUS 2 PART 1	https://www.youtube.com/watch? v=xHFOxY3OhIA&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=20	
	INTEGRAL CALCULUS 2 PART 2	https://www.youtube.com/watch? v=13CYTR7Ev00&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=21	
	INTEGRAL CALCULUS 2 PART 3	https://www.youtube.com/watch? v=iww53PC9rXY&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=22	
	INTEGRAL CALCULUS 2 PART 4	https://www.youtube.com/watch? v=lL7-7Fck31w&list=PL1b9Ht9ISqlFkZCBBefwWQp38MjRZD7UG&index=23	

APPLIED MATHS			
UNIT	TOPIC	URL	QR
1	PROBABILITY DISTRIBUTION 1	https://www.youtube.com/watch?v=uQzClFSEvQ&list=PL1b9Ht9ISqIGIGjVNbjt8OFA1LW22U4N&index=1	
	PROBABILITY DISTRIBUTION 2	https://www.youtube.com/watch?v=gVChcwFewSM&list=PL1b9Ht9ISqIGIGjVNbjt8OFA1LW22U4N&index=2	
	PROBABILITY DISTRIBUTION 3	https://www.youtube.com/watch?v=tMkP-I1H3QY&list=PL1b9Ht9ISqIGIGjVNbjt8OFA1LW22U4N&index=3	
	PROBABILITY DISTRIBUTION 4	https://www.youtube.com/watch?v=L2srkHNQh3U&list=PL1b9Ht9ISqIGIGjVNbjt8OFA1LW22U4N&index=4	
	MATHEMATICAL EXPECTATION OF DISCRETE RANDOM VARIABLE	https://www.youtube.com/watch?v=_ScoDH45D6Q&list=PL1b9Ht9ISqIGIGjVNbjt8OFA1LW22U4N&index=5	
	BINOMIAL DISTRIBUTION 1	https://www.youtube.com/watch?v=dMn6URt_lms&list=PL1b9Ht9ISqIGIGjVNbjt8OFA1LW22U4N&index=6	
	BINOMIAL DISTRIBUTION 2	https://www.youtube.com/watch?v=PUybuQ2ds-0&list=PL1b9Ht9ISqIGIGjVNbjt8OFA1LW22U4N&index=7	
2	PROBABILITY DISTRIBUTION 1	https://www.youtube.com/watch?v=r1TYAEY1GNo&list=PL1b9Ht9ISqIGIGjVNbjt8OFA1LW22U4N&index=8	

	PROBABILITY DISTRIBUTION 2	https://www.youtube.com/watch? v=St0g6FT9ZFg&list=PL1b9Ht9ISqIGIGjVNbjjt8OFA1LW22U4N&index=9	
	PROBABILITY DISTRIBUTION 3	https://www.youtube.com/watch? v=qW3hyN3lPfw&list=PL1b9Ht9ISqIGIGjVNbjjt8OFA1LW22U4N&index=10	
	PROBABILITY DISTRIBUTION 4	https://www.youtube.com/watch? v=yAMoZRi0JD0&list=PL1b9Ht9ISqIGIGjVNbjjt8OFA1LW22U4N&index=11	
	PROBABILITY DISTRIBUTION 5	https://www.youtube.com/watch? v=3zrDPuQGKUY&list=PL1b9Ht9ISqIGIGjVNbjjt8OFA1LW22U4N&index=12	
3			
	APPLICATION OF DIFFERENTIATION 1	https://www.youtube.com/watch? v=lFKu8aBF_Cg&list=PL1b9Ht9ISqIGIGjVNbjjt8OFA1LW22U4N&index=13	
	APPLICATION OF DIFFERENTIATION 2	https://www.youtube.com/watch? v=Di7d7jHmALU&list=PL1b9Ht9ISqIGIGjVNbjjt8OFA1LW22U4N&index=14	
	APPLICATION OF DIFFERENTIATION 3	https://www.youtube.com/watch? v=dJHlbzhphSo&list=PL1b9Ht9ISqIGIGjVNbjjt8OFA1LW22U4N&index=15	
	APPLICATION OF DIFFERENTIATION 4	https://www.youtube.com/watch? v=zoW_1LP81xE&list=PL1b9Ht9ISqIGIGjVNbjjt8OFA1LW22U4N&index=16	
	APPLICATION OF DIFFERENTIATION 5	https://www.youtube.com/watch? v=L5p1R27I3TU&list=PL1b9Ht9ISqIGIGjVNbjjt8OFA1LW22U4N&index=17	

	APPLICATION OF DIFFERENTIATION 6	https://www.youtube.com/watch?v=-HISM3K9TtU&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=18	
	APPLICATION OF DIFFERENTIATION 7	https://www.youtube.com/watch?v=y=BEa_cvmBll0&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=19	
	APPLICATION OF DIFFERENTIATION 8	https://www.youtube.com/watch?v=y=8VvjTikS8Cg&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=20	
4			
	APPLICATION OF INTEGERATION 1	https://www.youtube.com/watch?v=iYYtwk5fkXw&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=21	
	APPLICATION OF INTEGERATION 2	https://www.youtube.com/watch?v=BLikzJpyTC0&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=22	
	APPLICATION OF INTEGERATION 3	https://www.youtube.com/watch?v=VNvMt005GMY&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=23	
	APPLICATION OF INTEGERATION 4	https://www.youtube.com/watch?v=OsKerquQ70c&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=24	
5	APPLICATION OF INTEGERATION 5	https://www.youtube.com/watch?v=YlsNRMUf76w&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=25	

	APPLICATION OF INTEGRATION -II PART 1	https://www.youtube.com/watch?v=q2YaTa20QZk&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=26	
	APPLICATION OF INTEGRATION -II PART 2	https://www.youtube.com/watch?v=b39-LW7T3nU&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=27	
	APPLICATION OF INTEGRATION -II PART 3	https://www.youtube.com/watch?v=rNGXMDBaDE4&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=28	
	APPLICATION OF INTEGRATION -II PART 4	https://www.youtube.com/watch?v=7HQNV6Jxb2U&list=PL1b9Ht9ISqIGIGjVNbijt8OFA1LW22U4N&index=29	

ENGINEERING PHYSICS 1			
UNIT	TOPIC	URL	QR CODE
1	A) LESSON 1.1 DIMENSIONS	https://www.youtube.com/watch? v=Auw9MecSz2o&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj	
	B) LESSON 1.1 S.I.UNITS AND STATICS 1	https://www.youtube.com/watch? v=a3h7QQJXp&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=2	
	C) LESSON 1.1 S.I.UNITS AND STATICS 2	https://www.youtube.com/watch?v=Ax- 3WLalkUU&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=3	
	D) LESSON 1.2 STATICS PART 1	https://www.youtube.com/watch? v=Yis3K_L4zXO&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=4	
	E) LESSON 1.2 STATICS PART 2	https://www.youtube.com/watch? v=rjF7o0uxlHM&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=5	
	F) LESSON 1.2 STATICS PART 3	https://www.youtube.com/watch? v=Rh6Mu3r06Os&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=6	
UNIT 2			
	A) LESSON 2.1 ELASTICITY PART 1	https://www.youtube.com/watch? v=tTiL42Y7TEI&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=7	
	B) LESSON 2.1 ELASTICITY PART 2	https://www.youtube.com/watch? v=oRQ66FCSiY&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=8	
	D) LESSON 2.2 VISCOSITY PART 2	https://www.youtube.com/watch? v=vc1ATWCDb3I&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=10	

	C) LESSON 2.2 VISCOSITY PART 1	https://www.youtube.com/watch?v=jFOiozY3GDM&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=9	
	E) LESSON 2.3 SURFACE TENSION PART 1	https://www.youtube.com/watch?v=9hsZYxw-YQ&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=11	
	F) LESSON 2.3 SURFACE TENSION PART 2	https://www.youtube.com/watch?v=Vje-vR6m3Q&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=12	
UNIT 3			
	A) LESSON 3.1 DYNAMICS	https://www.youtube.com/watch?v=UTFc1Oy-Hw4&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=13	
	B) LESSON 3.2 PROJECTILE MOTION PART 1	https://www.youtube.com/watch?v=sDUpF5R5tRI&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=14	
	C) LESSON 3.2 PROJECTILE MOTION PART 2	https://www.youtube.com/watch?v=HS3G6ecRCnM&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=15	
	D) LESSON 3.3 CIRCULAR MOTION PART 1	https://www.youtube.com/watch?v=9N1QwFQkQMI&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=16	
	E) LESSON 3.3 CIRCULAR MOTION PART 2	https://www.youtube.com/watch?v=k2RDzpbYnE0&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=17	
UNIT 4			
	A) LESSON 4.1 ROTATIONAL MOTION OF RIGID BODIES	https://www.youtube.com/watch?v=EhiNyb9d0A&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=18	
	B) LESSON 4.2 GRAVITATION PART 1	https://www.youtube.com/watch?v=EZg9ctSwOA&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=19	

	C) LESSON 4.2 GRAVITATION PART 2	https://www.youtube.com/watch? v=6YtsmlHjs&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=20	
	D) LESSON 4.3 SATELLITE	https://www.youtube.com/watch? v=CtkPpNeAkP0&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=21	
UNIT 5			
	A) LESSON 5.1 SOUND PART 1	https://www.youtube.com/watch? v=YluEampSCSc&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=22	
	D) LESSON 5.2 MAGNETISM	https://www.youtube.com/watch? v=TpYnkJ92kA&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=25	
	B) LESSON 5.1 SOUND PART 2	https://www.youtube.com/watch? v=TO0Cm8NOuqM&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=23	
	C) LESSON 5.1 SOUND PART 3	https://www.youtube.com/watch?v=R7WA_s_In-7k&list=PL1b9Ht9ISqlHStwn0NEHongecMJ84S6cj&index=24	

ENG. PHYSICS 2			
UNIT	TOPIC	URL	QR
1	HEAT	https://www.youtube.com/watch?v=xzECamQRUVE&list=PL1b9Ht9ISqjFUWvOqFTEdUPmtZadrXNk4&index=1	
	KINETIC THEORY OF GASES 1	https://www.youtube.com/watch?v=qj6BPJmE1CU&list=PL1b9Ht9ISqjFUWvOqFTEdUPmtZadrXNk4&index=2	
	KINETIC THEORY OF GASES 2	https://www.youtube.com/watch?v=qb8DyQuDurg&list=PL1b9Ht9ISqjFUWvOqFTEdUPmtZadrXNk4&index=3	
	SPECIFIC HEAT CAPACITY OF GAS	https://www.youtube.com/watch?v=1R8vrwibfNo&list=PL1b9Ht9ISqjFUWvOqFTEdUPmtZadrXNk4&index=4	
2			
	THERMODYNAMICS1	https://www.youtube.com/watch?v=lvGUE9z5oU&list=PL1b9Ht9ISqjFUWvOqFTEdUPmtZadrXNk4&index=5	
	THERMODYNAMICS2	https://www.youtube.com/watch?v=YtgEZkcPW5E&list=PL1b9Ht9ISqjFUWvOqFTEdUPmtZadrXNk4&index=6	
	LIQIFICATION OF GASES 1	https://www.youtube.com/watch?v=Ddkw3HbbIk4&list=PL1b9Ht9ISqjFUWvOqFTEdUPmtZadrXNk4&index=7	
	LIQIFICATION OF GASES 1	https://www.youtube.com/watch?v=f94vsjSE8&list=PL1b9Ht9ISqjFUWvOqFTEdUPmtZadrXNk4&index=8	

	NON CONVENTIAL ENERGY	https://www.youtube.com/watch?v=3ICesiyGdBw&list=PL1b9Ht9ISqIFUWvOqFTEdUPmtZadrXNk4&index=9	
3			
	LIGHT AND REMOTE SENSING	https://www.youtube.com/watch?v=anolwfe_ZsE&list=PL1b9Ht9ISqIFUWvOqFTEdUPmtZadrXNk4&index=10	
	LIGHT 2	https://www.youtube.com/watch?v=mb1eWsI2BQs&list=PL1b9Ht9ISqIFUWvOqFTEdUPmtZadrXNk4&index=11	
	LIGHT 3	https://www.youtube.com/watch?v=aJSGoWI1_CQ&list=PL1b9Ht9ISqIFUWvOqFTEdUPmtZadrXNk4&index=12	
	LIGHT LASER	https://www.youtube.com/watch?v=HTZVdh0MRYk&list=PL1b9Ht9ISqIFUWvOqFTEdUPmtZadrXNk4&index=13	
	REMOTE SENSING	https://www.youtube.com/watch?v=1ND59chGkHU&list=PL1b9Ht9ISqIFUWvOqFTEdUPmtZadrXNk4&index=14	
4			
	ELECTRICITY 1	https://www.youtube.com/watch?v=PPUaEMPLwUc&list=PL1b9Ht9ISqIFUWvOqFTEdUPmtZadrXNk4&index=15	
	ELECTRICITY 2	https://www.youtube.com/watch?v=5B3vw6mCJg&list=PL1b9Ht9ISqIFUWvOqFTEdUPmtZadrXNk4&index=16	

	ELECTRICITY 3	https://www.youtube.com/watch?v=9qd4rDY7ZB0&list=PL1b9Ht9ISqIxFUWvOqFTEdUPmtZadrXNk4&index=17	
	ELECTRICITY 4	https://www.youtube.com/watch?v=keGuki4tDOs&list=PL1b9Ht9ISqIxFUWvOqFTEdUPmtZadrXNk4&index=18	
	ELECTRICITY 5	https://www.youtube.com/watch?v=qx528dZ1jh&list=PL1b9Ht9ISqIxFUWvOqFTEdUPmtZadrXNk4&index=20	
5			
	ELECTRONICS SEMICONDUCTORS	https://www.youtube.com/watch?v=jErh36lBH4s&list=PL1b9Ht9ISqIxFUWvOqFTEdUPmtZadrXNk4&index=19	
	ELECTRONICS DIODE	https://www.youtube.com/watch?v=hzt48azWcrU&list=PL1b9Ht9ISqIxFUWvOqFTEdUPmtZadrXNk4&index=21	
	ELECTRONICS TRANSISTORS	https://www.youtube.com/watch?v=gbWDa7dPszQ&list=PL1b9Ht9ISqIxFUWvOqFTEdUPmtZadrXNk4&index=22	
	BASIC LOGIC GATES	https://www.youtube.com/watch?v=YMUBoSxlrUo&list=PL1b9Ht9ISqIxFUWvOqFTEdUPmtZadrXNk4&index=23	
	UNIVERSAL LOGIC GATES	https://www.youtube.com/watch?v=hlbXBIK3C_g&list=PL1b9Ht9ISqIxFUWvOqFTEdUPmtZadrXNk4&index=24	

ENGINEERING CHEMISTRY 1			
UNIT	TOPIC	URL	QR
1	A) 1.1 - ATOMIC STRUCTURE 1	https://www.youtube.com/watch?v=lNaqCtzZYw&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4	
	B) 1.1 . ATOMIC STRUCTURE 2	https://www.youtube.com/watch?v=MudEc9Fbd2M&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=2	
	C) 1.2 MOLECULAR MASS	https://www.youtube.com/watch?v=KC7wlNRYqEY&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=3	
	D) 1.3 ACIDS AND BASES	https://www.youtube.com/watch?v=eQWmobEbgf0&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=4	
2			
	A) 2.1 SOLUTION	https://www.youtube.com/watch?v=GN3hVvr0LQE&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=5	
	B) 2.2 COLLOIDS PART 1	https://www.youtube.com/watch?v=hzDFCUKos4U&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=6	
	C) 2.2 COLLOIDS PART 2	https://www.youtube.com/watch?v=oCp6-pu3xuM&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=7	
	D) 2.3 NANO TECHNOLOGY	https://www.youtube.com/watch?v=g8ftdqCVh5I&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=8	
3			

	A) 3.1 TECHNOLOGY OF WATER 1	https://www.youtube.com/watch?v=f46iGCMIFBM&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=9	
	B) 3.1 TECHNOLOGY OF WATER 2	https://www.youtube.com/watch?v=-hKFNUAljs4&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=10	
	C) 3.1 TECHNOLOGY OF WATER 3	https://www.youtube.com/watch?v=TKPPOTqgQyA&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=11	
	D) 3.2 CATALYSIS	https://www.youtube.com/watch?v=lS0aqavX1h4&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=12	
	E) 3.3 GLASS	https://www.youtube.com/watch?v=03vkHCW5Q1s&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=13	
4			
	A) 4.1 ELECTRO CHEMISTRY 1	https://www.youtube.com/watch?v=zaOR7oo7qAg&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=14	
	B) 4.1 ELECTRO CHEMISTRY 2	https://www.youtube.com/watch?v=ibFyc1aja24&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=15	
	C) 4.2 ELECTRO CHEMICAL CELL	https://www.youtube.com/watch?v=we5l4RDRD6o&list=PL1b9Ht9ISqlFsiqREFRjehR2WAs3qCW4&index=16	

	D) 4.3 ENERGY SOURCES	https://www.youtube.com/watch?v=zcjNCwd3eig&list=PL1b9Ht9ISqIFslqREFRjehR2WAs3qCW4&index=17	
5			
	A) 5.1 CORROSION 1	https://www.youtube.com/watch?v=KcFUctldM9I&list=PL_1b9Ht9ISqIFslqREFRjehR2WAs3qCW4&index=18	
	B) 5.1 CORROSION 2	https://www.youtube.com/watch?v=1b6cBw9JFII&list=PL_1b9Ht9ISqIFslqREFRjehR2WAs3qCW4&index=19	
	C) 5.2 METHODS OF PREVENTION OF CORROSION	https://www.youtube.com/watch?v=LZKLxUx_c2Q&list=PL1b9Ht9ISqIFslqREFRjehR2WAs3qCW4&index=20	

ENGINEERING CHEMISTRY 2

UNIT	TOPIC	URL	QR
1.ENVIRONMENTAL CHEMISTRY	AIR POLLUTION	https://www.youtube.com/watch?v=yGXINHfUUzQ&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=1	
	WATER POLLUTION	https://www.youtube.com/watch?v=Uc3YsdLcco&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=2	
	SOLID WASTE MANAGEMENT	https://www.youtube.com/watch?v=sMeUGwpvLtk&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=3	
	GREEN CHEMISTRY	https://www.youtube.com/watch?v=KHIOXta9Q4U&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=4	
2	FUEL	https://www.youtube.com/watch?v=OFRqfmjd01c&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=5	
	COMBUSTION	https://www.youtube.com/watch?v=B1ZT84hycsE&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=6	
	COMBUSTION	https://www.youtube.com/watch?v=-o3GvVDW7R4&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=7	
3	EXTRACTION OF METAL	https://www.youtube.com/watch?v=lO_KUWj5LuU&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=8	

	POWDER METALLURGY	https://www.youtube.com/watch?v=Dqhl7d22uSc&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=9	
	ALLOYS	https://www.youtube.com/watch?v=gTuhMwj0CbY&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=10	
	ABRASIVES	https://www.youtube.com/watch?v=vCWS9w9dk1U&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=11	
4			
	CEMENT	https://www.youtube.com/watch?v=y9tC8l3P45E&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=12	
	CERAMICS	https://www.youtube.com/watch?v=OUEbwEYYIHQ&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=13	
	LUBRICANTS	https://www.youtube.com/watch?v=n27ruqVboO0&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=14	
	ADHESIVES	https://www.youtube.com/watch?v=S8UKXw1LcKE&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=15	
5			
	PLASTICS	https://www.youtube.com/watch?v=bOsivSylohc&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=16	
	RUBBER	https://www.youtube.com/watch?v=KKH1LJxi8VM&list=PL1b9Ht9ISqlEmoksyUA5Ab5WRuhWgB5V5&index=17	

	COMPOSITE MATERIAL	https://www.youtube.com/watch?v=u277X3QRbPE&list=PL1b9Ht9ISqIEmoksyUA5Ab5WRuhWgB5V5&index=18	
	.environmental chemistry	https://www.youtube.com/watch?v=vQgJp6HIKRs&list=PL1b9Ht9ISqIEmoksyUA5Ab5WRuhWgB5V5&index=19	
	chemistry practical 2	https://www.youtube.com/watch?v=0mB7_bBZ7So&list=PL1b9Ht9ISqIEmoksyUA5Ab5WRuhWgB5V5&index=20	

THEORY OF STRUCTURES			
UNIT	TOPIC	URL	QR
1	SLOPE AND DEFLECTION OF BEAMS 1	https://www.youtube.com/watch?v=aRgLsT6GZrg&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=1	
	SLOPE AND DEFLECTION OF BEAMS 2	https://www.youtube.com/watch?v=WEDt1GTD_eY&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=2	
	SLOPE AND DEFLECTION OF BEAMS 3	https://www.youtube.com/watch?v=uIWJS8ChXd8&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=3	
	PROPPED CANTILEVER 1	https://www.youtube.com/watch?v=QX_llpkelRc&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=4	
	PROPPED CANTILEVER 2	https://www.youtube.com/watch?v=YR3ULXeb5QM&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=5	
2			
	FIXED BEAM 1	https://www.youtube.com/watch?v=HUQlmkgptpk&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=7	
	FIXED BEAM 2	https://www.youtube.com/watch?v=WSgZBaPcR7s&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=6	
	FIXED BEAM 3	https://www.youtube.com/watch?v=nyRg3APIZM0&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=9	

	CONTINUOS BEAMS - THEORY OF THREE MOMENTS 1	https://www.youtube.com/watch?v=laXO3ArkW9o&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=8	
	CONTINUOS BEAMS - THEORY OF THREE MOMENTS 2	https://www.youtube.com/watch?v=ETeaW8m2hZw&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=10	
3	CONTINOUS BEAM - MOMENT DISTRIBUTION METHOD 1	https://www.youtube.com/watch?v=amHrTQAo21Q&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=11	
	CONTINOUS BEAM - MOMENT DISTRIBUTION METHOD 2	https://www.youtube.com/watch?v=WG6cMok354Y&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=12	
	CONTINOUS BEAM - MOMENT DISTRIBUTION METHOD 3	https://www.youtube.com/watch?v=yw01kzZfanU&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=13	
	CONTINOUS BEAM - MOMENT DISTRIBUTION METHOD AND PORTAL FRAMES	https://www.youtube.com/watch?v=F4Azk0enCUw&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=14	
4	COLOUMS AND STRUTS 1	https://www.youtube.com/watch?v=d-UqZPuBtOM&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=15	
	COLOUMS AND STRUTS 2	https://www.youtube.com/watch?v=5lQ57aB2qCU&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=16	
5			

	Combined bending and direct stresses 1	https://www.youtube.com/watch?v=q9jySd40Jcg&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=21	
	Combined bending and direct stresses 2	https://www.youtube.com/watch?v=hbV1p24iSw&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=22	
	Masonry dam and earth pressure and retaining walls 1	https://www.youtube.com/watch?v=DuljJqPa1Qk&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=23	
	Masonry dam and earth pressure and retaining walls 2	https://www.youtube.com/watch?v=SeZmNIBZIEQ&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=24	
	Masonry dam and earth pressure and retaining walls 3	https://www.youtube.com/watch?v=V1Rn2tmEcr0&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=25	
	Masonry dam and earth pressure and retaining walls 4	https://www.youtube.com/watch?v=C-JEOqLoYA&list=PL1b9Ht9ISqlGuYN2RbiN45VB-KztoWYI3&index=26	

ESTIMATING AND COSTING			
UNIT	TOPIC	URL	QR
1	ESTIMATING AND COSTING		
	INTRODUCTION OF ESTIMATION	https://www.youtube.com/watch?v=G0valPRePMk&list=PL1b9Ht9ISqIFHJPzdL3s0Qi7Tz2S2cdD_&index=24	
	UNIT OF MEASUREMENT FOR MATERIALS AND WORKS	https://www.youtube.com/watch?v=OpAnk4AiQxs&list=PL1b9Ht9ISqIFHJPzdL3s0Qi7Tz2S2cdD_&index=23	
	Random rubble masonry	https://www.youtube.com/watch?v=-ERXIkKjIDQ&list=PL1b9Ht9ISqIFHJPzdL3s0Qi7Tz2S2cdD_&index=25	
	Lead statement	https://www.youtube.com/watch?v=OrU7dI9mXbk&list=PL1b9Ht9ISqIFHJPzdL3s0Qi7Tz2S2cdD_&index=26	
2			
	AREAS AND VOLUME-1	https://www.youtube.com/watch?v=sCVJ2U2JlhE&list=PL1b9Ht9ISqIFHJPzdL3s0Qi7Tz2S2cdD_&index=27	
	AREAS AND VOLUME-2	https://www.youtube.com/watch?v=1Ss_JAeb0E&list=PL1b9Ht9ISqIFHJPzdL3s0Qi7Tz2S2cdD_&index=28	
	AREAS AND VOLUME-3	https://www.youtube.com/watch?v=AXRpNTsEm20&list=PL1b9Ht9ISqIFHJPzdL3s0Qi7Tz2S2cdD_&index=29	
	AREAS AND VOLUME-4	NIL	

	AREAS AND VOLUME-5	https://www.youtube.com/watch?v=rokeRClymYI&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=30	
	AREAS AND VOLUME-6	https://www.youtube.com/watch?v=6w1PS0FYTrA&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=31	
3			
	Analysis of rates	https://www.youtube.com/watch?v=64JhofTbe0&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=10	
	Analysis of rates problems 1	https://www.youtube.com/watch?v=XNEtSFMOpho&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=9	
	Analysis of rates problems 2	https://www.youtube.com/watch?v=hWOOM62j4Pc&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=11	
	Analysis of rates problems 3	https://www.youtube.com/watch?v=qPFqtYeYdmM&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=12	
	Analysis of rates problems 4	https://www.youtube.com/watch?v=AX82HiypYPU&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=13	
4	LECT-1	NIL	

	Taking of quantities by trade system1	https://www.youtube.com/watch?v=Y4_jAAKAzEIk&list=PL1b9Ht9ISqIFHPzdl3s0Qi7Tz2S2cdD_&index=15	
	Taking of quantities by trade system2	https://www.youtube.com/watch?v=vbnSwITXuXk&list=PL1b9Ht9ISqIFHPzdl3s0Qi7Tz2S2cdD_&index=14	
	Taking of quantities by trade system3	https://www.youtube.com/watch?v=K8I8OQy7jGk&list=PL1b9Ht9ISqIFHPzdl3s0Qi7Tz2S2cdD_&index=17	
	Taking of quantities by trade system4	https://www.youtube.com/watch?v=xnyIIQYAnjo&list=PL1b9Ht9ISqIFHPzdl3s0Qi7Tz2S2cdD_&index=16	
5			
	Taking of quantities by group system 1	https://www.youtube.com/watch?v=8IUuGDzB0KE&list=PL1b9Ht9ISqIFHPzdl3s0Qi7Tz2S2cdD_&index=18	
	Taking of quantities by group system 2	https://www.youtube.com/watch?v=f98izDhkSjc&list=PL1b9Ht9ISqIFHPzdl3s0Qi7Tz2S2cdD_&index=19	
	Taking of quantities by group system 3	https://www.youtube.com/watch?v=Rl-UtdBYIOc&list=PL1b9Ht9ISqIFHPzdl3s0Qi7Tz2S2cdD_&index=20	
	Taking of quantities by group system 4	https://www.youtube.com/watch?v=bOIekCnxSfM&list=PL1b9Ht9ISqIFHPzdl3s0Qi7Tz2S2cdD_&index=21	
	Taking of quantities by group system 5	https://www.youtube.com/watch?v=bgkAhG4NSt4&list=PL1b9Ht9ISqIFHPzdl3s0Qi7Tz2S2cdD_&index=22	

SURVEYING 1			
UNIT	TOPIC	URL	QR
1	INTRODUCTION OF SURVEYING AND CHAIN SURVEYING -1	https://www.youtube.com/watch?v=djEYYXAW1Jc&list=PL1b9Ht9ISqlFHJPzdL3s0Qi7Tz2S2cdD_&index=1	
	INTRODUCTION OF SURVEYING AND CHAIN SURVEYING -2	https://www.youtube.com/watch?v=bzHD0cof6fw&list=PL1b9Ht9ISqlFHJPzdL3s0Qi7Tz2S2cdD_&index=2	
	INTRODUCTION OF SURVEYING AND CHAIN SURVEYING -3	https://www.youtube.com/watch?v=U3UiVGh7zoY&list=PL1b9Ht9ISqlFHJPzdL3s0Qi7Tz2S2cdD_&index=3	
	INTRODUCTION OF SURVEYING AND CHAIN SURVEYING -4	https://www.youtube.com/watch?v=qAzLqYczX1I&list=PL1b9Ht9ISqlFHJPzdL3s0Qi7Tz2S2cdD_&index=4	
	INTRODUCTION OF SURVEYING AND CHAIN SURVEYING -5	https://www.youtube.com/watch?v=AdR6t9CJO8c&list=PL1b9Ht9ISqlFHJPzdL3s0Qi7Tz2S2cdD_&index=5	
2	LECTURE -1	NIL	
	Meridians, bearings 1	https://www.youtube.com/watch?v=PWHMBQN0ppg&list=PL1b9Ht9ISqlFHJPzdL3s0Qi7Tz2S2cdD_&index=7	
	Meridians, bearings 2	https://www.youtube.com/watch?v=W1iBmUvr0I0&list=PL1b9Ht9ISqlFHJPzdL3s0Qi7Tz2S2cdD_&index=6	

	Meridians, bearings 3	https://www.youtube.com/watch?v=8m_bAG0nr0M&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=8	
3			
	Leveling	https://www.youtube.com/watch?v=AlznSZiuovg&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=41	
	Leveling	https://www.youtube.com/watch?v=FNr9kLkNMK4&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=42	
	Types	https://www.youtube.com/watch?v=fXYTN-u6Mi8&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=43	
	Leveling staff	https://www.youtube.com/watch?v=saWX56SyH-l&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=44	
	Adjustment of leveling minstrument	https://www.youtube.com/watch?v=Jvh_2gIryKg&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=45	
	R L calculation hight of collimation and rise and fall	https://www.youtube.com/watch?v=M5n26_qgLuk&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=46	
4			
	Levelling types 1	https://www.youtube.com/watch?v=QfK0f_8eFcQ&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=36	

	Levelling types 2	https://www.youtube.com/watch?v=ws52b6Ueilo&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=37	
	Levelling types 3	https://www.youtube.com/watch?v=y=5NSLUbdlHMD4&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=38	
	Levelling types 4	https://www.youtube.com/watch?v=uMr6DbwdoE&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=39	
	Levelling types 5	https://www.youtube.com/watch?v=VJXJExhCbZk&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=40	
5			
	Contour Survaying 1	https://www.youtube.com/watch?v=rLTBp6XLK4&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=32	
	Contour Survaying 2	https://www.youtube.com/watch?v=zm8ZTjXTcQw&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=33	
	Contour Survaying 3	https://www.youtube.com/watch?v=EN9-zGP-hR0&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=34	
	Contour Survaying 4	NIL	

	Contour Survaying 5	https://www.youtube.com/watch?v=Yy51yaTtijE&list=PL1b9Ht9ISqIFHJPzdl3s0Qi7Tz2S2cdD_&index=35	
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SURVEYING - 2			
UNIT	TOPIC	URL	QR
1	THEODELITE - 1	https://www.youtube.com/watch?v=75s0Gsj_0Os&list=PL1b9Ht9ISqjE2pMnEGj-gdlw8O8X3clYq&index=1	
	THEODELITE - 2	https://www.youtube.com/watch?v=V7cMLTvAoeg&list=PL1b9Ht9ISqjE2pMnEGj-gdlw8O8X3clYq&index=2	
	THEODELITE - 3	https://www.youtube.com/watch?v=ZwgZ-GmYezc&list=PL1b9Ht9ISqjE2pMnEGj-gdlw8O8X3clYq&index=3	
	THEODELITE - 4	https://www.youtube.com/watch?v=TlkEV8ruqco&list=PL1b9Ht9ISqjE2pMnEGj-gdlw8O8X3clYq&index=4	
	THEODELITE - 5	https://www.youtube.com/watch?v=7qtLc3Fh6aM&list=PL1b9Ht9ISqjE2pMnEGj-gdlw8O8X3clYq&index=5	
	THEODELITE - 6	https://www.youtube.com/watch?v=hedbQANeVmo&list=PL1b9Ht9ISqjE2pMnEGj-gdlw8O8X3clYq&index=6	
	THEODELITE - 7	https://www.youtube.com/watch?v=pqqZUaA-loY&list=PL1b9Ht9ISqjE2pMnEGj-gdlw8O8X3clYq&index=7	
	THEODELITE - 8	https://www.youtube.com/watch?v=93AeMHvHqvQ&list=PL1b9Ht9ISqjE2pMnEGj-gdlw8O8X3clYq&index=8	

	THEODELITE - 9	https://www.youtube.com/watch?v=EM6ccSK7nA&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3c1Yq&index=9	
	THEODELITE - 10	https://www.youtube.com/watch?v=8L6cz0pkwc&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3c1Yq&index=10	
	THEODELITE - 11	https://www.youtube.com/watch?v=V98qpjQ0hQs&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3c1Yq&index=11	
	THEODELITE - 12	https://www.youtube.com/watch?v=Uo-v9MgWdo4&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3c1Yq&index=12	
	THEODELITE - 13	https://www.youtube.com/watch?v=DpCaCdxGrJc&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3c1Yq&index=13	
	THEODELITE - 14	https://www.youtube.com/watch?v=p5yW8hTkVfU&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3c1Yq&index=14	
	THEODELITE - 15	https://www.youtube.com/watch?v=QRzyzUvMLUA&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3c1Yq&index=15	
	THEODELITE - 16	https://www.youtube.com/watch?v=rHKIA85uvKU&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3c1Yq&index=16	
	THEODELITE - 17	https://www.youtube.com/watch?v=CMzToWT_NY&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3c1Yq&index=17	

	THEODELITE - 18	https://www.youtube.com/watch?v=tRaigRnVuhM&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3cIYq&index=18	
	THEODELITE - 19	https://www.youtube.com/watch?v=bot1pFBCVL4&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3cIYq&index=19	
	THEODELITE - 20	https://www.youtube.com/watch?v=fmePdIOl56g&list=PL1b9Ht9ISqlE2pMnEGj-gdlw8O8X3cIYq&index=20	
	THEODELITE - 21	https://www.youtube.com/watch?v=9YJAQ8iYZ3c&list=PL1b9Ht9ISqlFHJPzdL3s0Qi7Tz2S2cdD_&index=47	
	THEODELITE - 22	https://www.youtube.com/watch?v=wsmXhs0RpKE&list=PL1b9Ht9ISqlFHJPzdL3s0Qi7Tz2S2cdD_&index=48	
	THEODELITE - 23	https://www.youtube.com/watch?v=dIQYyvuGVA&list=PL1b9Ht9ISqlFHJPzdL3s0Qi7Tz2S2cdD_&index=49	
	THEODELITE - 24	https://www.youtube.com/watch?v=wHSQABKZmw0&list=PL1b9Ht9ISqIFHJPzdL3s0Qi7Tz2S2cdD_&index=50	
2	THEORY OF STRUCTURE 1	https://www.youtube.com/watch?v=MzhXcFh_uQ&list=PL1b9Ht9ISqlGuYN2RbiN45VB-Kzt0WYI3&index=17	
	THEORY OF STRUCTURE 2	https://www.youtube.com/watch?v=z9ot4WRqw&list=PL1b9Ht9ISqlGUYN2RbiN45VB-Kzt0WYI3&index=18	

	THEORY OF STRUCTURE 3	https://www.youtube.com/watch? v=KXo4Y4wwBuk&list=PL1b9Ht9ISqlGuYN2RbiN45VB- Kzt0WYI3&index=19	
	THEORY OF STRUCTURE 4	https://www.youtube.com/watch? v=XJz548y6EF0&list=PL1b9Ht9ISqlGuYN2RbiN45VB-Kzt0WYI3&index=20	

STRUCTURAL ENGINEERING			
UNIT	TOPIC	URL	QR
1	INTRODUCTION TO WSM	https://www.youtube.com/watch?v=W6lrNmAQrQ&list=PL1b9H9ISqf2M8xaSl4oHMHaLVjAxCoc&index=1	
	LSM 1	https://www.youtube.com/watch?v=v3CfSbrn_Qg&list=PL1b9H9ISqf2M8xaSl4oHMHaLVjAxCoc&index=2	
	LSM 2	https://www.youtube.com/watch?v=z9vfRAO0Wro&list=PL1b9H9ISqf2M8xaSl4oHMHaLVjAxCoc&index=3	
	LSM 3	https://www.youtube.com/watch?v=cJYhY4agJt0&list=PL1b9H9ISqf2M8xaSl4oHMHaLVjAxCoc&index=4	
	PROBLEMS	https://www.youtube.com/watch?v=ICJKhNlJZmE&list=PL1b9H9ISqf2M8xaSl4oHMHaLVjAxCoc&index=5	
	RCC STRUCTURES	https://www.youtube.com/watch?v=gVf3ipXOLc&list=PL1b9H9ISqf2M8xaSl4oHMHaLVjAxCoc&index=6	
	SINGLY REINFORCED BEAM (LSM)	https://www.youtube.com/watch?v=MrQIBAKpQnk&list=PL1b9H9ISqf2M8xaSl4oHMHaLVjAxCoc&index=7	
	DOUBLY REINFORCED BEAM(LSM)	https://www.youtube.com/watch?v=jTz8QwkTqA&list=PL1b9H9ISqf2M8xaSl4oHMHaLVjAxCoc&index=8	
2	ANALYSIS OF T-BEAMS BY LSM	https://www.youtube.com/watch?v=3k6yGFEwuiq&list=PL1b9H9ISqf2M8xaSl4oHMHaLVjAxCoc&index=9	
3			

	SLABS	https://www.youtube.com/watch?v=aeEBcei7fXA&list=PL1b9Ht9ISqF2M8xaSl4oHMHaLVjAxCoc&index=24	
	SLAB PROBLEMS	https://www.youtube.com/watch?v=cY9MTc4L4Dw&list=PL1b9Ht9ISqF2M8xaSl4oHMHaLVjAxCoc&index=25	
	CONTINOUS SLABS	https://www.youtube.com/watch?v=zQVXU7XSfv0&list=PL1b9Ht9ISqF2M8xaSl4oHMHaLVjAxCoc&index=26	
4			
	RCC COLOUMNS	https://www.youtube.com/watch?v=1Iolu8P2jQ0&list=PL1b9Ht9ISqF2M8xaSl4oHMHaLVjAxCoc&index=10	
	RCC COLOUMNS	https://www.youtube.com/watch?v=0u916YlsVU&list=PL1b9Ht9ISqF2M8xaSl4oHMHaLVjAxCoc&index=12	
	RCC COLOUMNS AND FOOTINGS	https://www.youtube.com/watch?v=3w58aWqmNY&list=PL1b9Ht9ISqF2M8xaSl4oHMHaLVjAxCoc&index=11	
	COLUMN FOOTING	https://www.youtube.com/watch?v=GMrZiZHUI50&list=PL1b9Ht9ISqF2M8xaSl4oHMHaLVjAxCoc&index=13	
5			
	STEEL STRUCTURES	https://www.youtube.com/watch?v=4SXSt7gQE8ts&list=PL1b9Ht9ISqF2M8xaSl4oHMHaLVjAxCoc&index=14	
	STEEL STRUCTURES	https://www.youtube.com/watch?v=Q7Fz6LvS-1E&list=PL1b9Ht9ISqF2M8xaSl4oHMHaLVjAxCoc&index=15	
	STEEL STRUCTURES - PROBLEMS	https://www.youtube.com/watch?v=6zg0XDU73So&list=PL1b9Ht9ISqF2M8xaSl4oHMHaLVjAxCoc&index=16	

	CLASSIFICATION OF COLUMN CROSS SECTION	https://www.youtube.com/watch? v=yXqSWCcM7rs&list=PL1b9Ht9lSqlF2M8xaSl4oHMHaLVjAxCoc&index=17	
	SIMPLE BEAM AND WELDED CONNECTIONS	https://www.youtube.com/watch? v=xKUkcCOP7vM&list=PL1b9Ht9lSqlF2M8xaSl4oHMHaLVjAxCoc&index=18	

ENGINEERING MECHANICS			
UNIT	TOPICS	URL	QR
1	ELASTIC CONSTANTS - APPLICATION OF STRESS AND STRAIN	https://www.youtube.com/watch?v=pgFyp2bvZmM&list=PL1b9Ht9ISqlE-vW4ZOp-bxUBsUAAq-xyw&index=2	
	STRESS AND STRAIN	https://www.youtube.com/watch?v=tmdGq49eJwl&list=PL1b9Ht9ISqlE-vW4ZOp-bxUBsUAAq-xyw&index=1	
	STRESS AND STRAIN PROBLEMS	https://www.youtube.com/watch?v=btlo4Vnzb4Q&list=PL1b9Ht9ISqlE-vW4ZOp-bxUBsUAAq-xyw&index=3	
2	SHEAR FORCE AND BENDING MOMENT	https://www.youtube.com/watch?v=j8G15nzlZcQ&list=PL1b9Ht9ISqlE-vW4ZOp-bxUBsUAAq-xyw&index=8	
	SHEAR FORCE AND BENDING MOMENT PROBLEMS 1	https://www.youtube.com/watch?v=U6OGxEr7kGM&list=PL1b9Ht9ISqlE-vW4ZOp-bxUBsUAAq-xyw&index=9	
	SHEAR FORCE AND BENDING MOMENT PROBLEMS 2	https://www.youtube.com/watch?v=z7GR7cwg1F0&list=PL1b9Ht9ISqlE-vW4ZOp-bxUBsUAAq-xyw&index=10	
3	GEOMETRICAL PROPERTIES OF SECTION 1	https://www.youtube.com/watch?v=lqLjQWNi92c&list=PL1b9Ht9ISqlE-vW4ZOp-bxUBsUAAq-xyw&index=4	
	lecture 8		

	GEOMETRICAL PROPERTIES OF SECTION 2	https://www.youtube.com/watch?v=63VldY2RbY&list=PL1b9Ht9ISqIE-vW4ZOp-bxUBsUAAq-xyw&index=5	
	GEOMETRICAL PROPERTIES OF SECTION 3	https://www.youtube.com/watch?v=JCqHOe-j2BA&list=PL1b9Ht9ISqIE-vW4ZOp-bxUBsUAAq-xyw&index=6	
	GEOMETRICAL PROPERTIES OF SECTION 4	https://www.youtube.com/watch?v=opVOXYIXAPw&list=PL1b9Ht9ISqIE-vW4ZOp-bxUBsUAAq-xyw&index=7	
4			
	BENDING EQUATION	https://www.youtube.com/watch?v=A5MoJK2eyPs&list=PL1b9Ht9ISqIE-vW4ZOp-bxUBsUAAq-xyw&index=16	
	PIN JOINED FRAMES	https://www.youtube.com/watch?v=KhncqB8TNSk&list=PL1b9Ht9ISqIE-vW4ZOp-bxUBsUAAq-xyw&index=17	
5			
	PIN JOINED FRAMES PROBLEMS	https://www.youtube.com/watch?v=mm3BKezb68&list=PL1b9Ht9ISqIE-vW4ZOp-bxUBsUAAq-xyw&index=18	

FLUID MECHANICS AND FLUID POWER			
UNIT	TOPIC	URL	QR CODE
1	PRAPERTIES OF FLUID AND PRESSURE MEASURMENT 1	https://www.youtube.com/watch?v=xmkh7M9R7nM&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=1	
	PRAPERTIES OF FLUID AND PRESSURE MEASURMENT 2	https://www.youtube.com/watch?v=P44ltefqDOE&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=2	
	PRAPERTIES OF FLUID AND PRESSURE MEASURMENT 3	https://www.youtube.com/watch?v=E9ivAuNEnY&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=3	
	PRAPERTIES OF FLUID AND PRESSURE MEASURMENT 4	https://www.youtube.com/watch?v=1Ft-T5D4qy&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=4	
	PRAPERTIES OF FLUID AND PRESSURE MEASURMENT 5	https://www.youtube.com/watch?v=HVR1RRoXAtQ&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=6	
2			
	FLOW OF FLUID AND FLOW THROUGH PIPES 1	https://www.youtube.com/watch?v=5wNP1KaMQJ0&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=5	
	FLOW OF FLUID AND FLOW THROUGH PIPES 2	https://www.youtube.com/watch?v=OKs-McQ0FKc&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=7	
	FLOW OF FLUID AND FLOW THROUGH PIPES 3	https://www.youtube.com/watch?v=wHzafEh6CQ4&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=8	

	FLOW OF FLUID AND FLOW THROUGH PIPES 4	https://www.youtube.com/watch?v=CHMk8ZxghWM&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=9	
	FLOW OF FLUID AND FLOW THROUGH PIPES 5	https://www.youtube.com/watch?v=BfCN4dOhBj8&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=11	
	FLOW OF FLUID AND FLOW THROUGH PIPES 6	https://www.youtube.com/watch?v=90QCeLcRwz0&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=10	
	FLOW OF FLUID AND FLOW THROUGH PIPES 7	https://www.youtube.com/watch?v=H97wlqFmY00&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=12	
	FLOW OF FLUID AND FLOW THROUGH PIPES 8	https://www.youtube.com/watch?v=ZqHMMWMHegfA&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=13	
	FLOW OF FLUID AND FLOW THROUGH PIPES 9	https://www.youtube.com/watch?v=H8tBaHUTD6k&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=14	
	FLOW OF FLUID AND FLOW THROUGH PIPES 10	https://www.youtube.com/watch?v=W2HgsfhTRFA&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=15	
3	IMPACT OF JETS, HYDRAULIC TURBINES, CENTRIFUGAL AND RECIPROCATING PUMP 1	https://www.youtube.com/watch?v=K0_fmoW1wA&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=16	
	IMPACT OF JETS, HYDRAULIC TURBINES, CENTRIFUGAL AND RECIPROCATING PUMP 2	https://www.youtube.com/watch?v=xRkP3yFdOsk&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=17	

	IMPACT OF JETS, HYDRAULIC TURBINES, CENTRIFUGAL AND RECIPROCATING PUMP 3	https://www.youtube.com/watch?v=7oYJftsRhgw&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=18	
	IMPACT OF JETS, HYDRAULIC TURBINES, CENTRIFUGAL AND RECIPROCATING PUMP 4	https://www.youtube.com/watch?v=SkatJMTOp8&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=19	
	IMPACT OF JETS, HYDRAULIC TURBINES, CENTRIFUGAL AND RECIPROCATING PUMP 5	https://www.youtube.com/watch?v=P2Y2LUvvep8&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=20	
	IMPACT OF JETS, HYDRAULIC TURBINES, CENTRIFUGAL AND RECIPROCATING PUMP 6	https://www.youtube.com/watch?v=DpUgZzivzU0&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=21	
	IMPACT OF JETS, HYDRAULIC TURBINES, CENTRIFUGAL AND RECIPROCATING PUMP 7	https://www.youtube.com/watch?v=hc35VQIEN98&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=22	
	IMPACT OF JETS, HYDRAULIC TURBINES, CENTRIFUGAL AND RECIPROCATING PUMP 8	https://www.youtube.com/watch?v=G3muqCPvHU&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=23	
	IMPACT OF JETS, HYDRAULIC TURBINES, CENTRIFUGAL AND RECIPROCATING PUMP 9	https://www.youtube.com/watch?v=AehUhUaiiaI&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=24	
	IMPACT OF JETS, HYDRAULIC TURBINES, CENTRIFUGAL AND RECIPROCATING PUMP 10	https://www.youtube.com/watch?v=YLPruhlQroA&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=25	
	IMPACT OF JETS, HYDRAULIC TURBINES, CENTRIFUGAL AND RECIPROCATING PUMP 11	https://www.youtube.com/watch?v=2lZ1VP23YM&list=PL1b9Ht9ISqlHpYlanUmZMrVUnF_CABwRk&index=26	
4			

	PNEUMATIC SYSTEMS 1	https://www.youtube.com/watch?v=TS2RXSlu3hY&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=27	
	PNEUMATIC SYSTEMS 2	https://www.youtube.com/watch?v=90aWAvj7Uq8&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=28	
	PNEUMATIC SYSTEMS 3	https://www.youtube.com/watch?v=vmDcv09K5Js&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=29	
	PNEUMATIC SYSTEMS 4	https://www.youtube.com/watch?v=6oRqFwLChYY&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=30	
	PNEUMATIC SYSTEMS 5	https://www.youtube.com/watch?v=IV3WqFMztRs&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=31	
5			
	HYDRAULIC SYSTEMS 1	https://www.youtube.com/watch?v=c-cbwCVweNE&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=32	
	HYDRAULIC SYSTEMS 2	https://www.youtube.com/watch?v=b1jQseqJuDU&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=33	
	HYDRAULIC SYSTEMS 3	https://www.youtube.com/watch?v=dDjHWmgc0&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=34	
	HYDRAULIC SYSTEMS 4	https://www.youtube.com/watch?v=P3tNv8EqjPc&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=35	

		<p>https://www.youtube.com/watch?v=ClOM9pium6s&list=PL1b9Ht9ISqlHpYlanUmZMrVUnFCABwRk&index=36</p>	
	HYDRAULIC SYSTEMS 5		

STRENGTH OF MATERIALS			
UNIT	TOPIC	URL	QR
1	SYSTEM OF FORCES	https://www.youtube.com/watch?v=IT-3ln1szHY&list=PL1b9Ht9ISqlFlnLTS7xxQ6dRdlp4Jc8Vh&index=1	
		https://www.youtube.com/watch?v=eauBxokT634&list=PL1b9Ht9ISqlFlnLTS7xxQ6dRdlp4Jc8Vh&index=2	
2	MECHANICAL PROPERTIES OF MATERIALS 1	https://www.youtube.com/watch?v=2lHZXqAZ-b&list=PL1b9Ht9ISqlFlnLTS7xxQ6dRdlp4Jc8Vh&index=3	
		https://www.youtube.com/watch?v=LXioL5MDqo&list=PL1b9Ht9ISqlFlnLTS7xxQ6dRdlp4Jc8Vh&index=4	
3	MECHANICAL PROPERTIES OF MATERIALS 2	https://www.youtube.com/watch?v=2nBh1BvE5cc&list=PL1b9Ht9ISqlFlnLTS7xxQ6dRdlp4Jc8Vh&index=5	
		https://www.youtube.com/watch?v=EELEp01GwH8&list=PL1b9Ht9ISqlFlnLTS7xxQ6dRdlp4Jc8Vh&index=6	
4	GEOMETRICAL PROPERTIES OF SECTIONS 1	https://www.youtube.com/watch?v=mwhr1Qj5N7s&list=PL1b9Ht9ISqlFlnLTS7xxQ6dRdlp4Jc8Vh&index=7	
		https://www.youtube.com/watch?v=DQBUsYyEqTo&list=PL1b9Ht9ISqlFlnLTS7xxQ6dRdlp4Jc8Vh&index=8	
5	GEOMETRICAL PROPERTIES OF SECTIONS 2	https://www.youtube.com/watch?v=ETTPTh5r2A&list=PL1b9Ht9ISqlFlnLTS7xxQ6dRdlp4Jc8Vh&index=12	
		https://www.youtube.com/watch?v=2nBh1BvE5cc&list=PL1b9Ht9ISqlFlnLTS7xxQ6dRdlp4Jc8Vh&index=5	

	SFD AND BMD	https://www.youtube.com/watch? v=l37o48LitM&list=PL1b9Ht9ISqIFlnLTS7xxQ6dRdlp4Jc8Vh&index=9	
	SFD AND BMD	https://www.youtube.com/watch? v=CnbCLi9j7_Y&list=PL1b9Ht9ISqIFlnLTS7xxQ6dRdlp4Jc8Vh&index=10	
	SFD AND BMD	https://www.youtube.com/watch? v=VVKCAhNhgVw&list=PL1b9Ht9ISqIFlnLTS7xxQ6dRdlp4Jc8Vh&index=11	
	SFD AND BMD	https://www.youtube.com/watch? v=OLx1yPQwxwl&list=PL1b9Ht9ISqIFlnLTS7xxQ6dRdlp4Jc8Vh&index=13	
5			
	THEORY OF TORSION AND SPRING - 1	https://www.youtube.com/watch? v=jAgGFvRks3s&list=PL1b9Ht9ISqIFlnLTS7xxQ6dRdlp4Jc8Vh&index=14	
	THEORY OF TORSION AND SPRING - 2	https://www.youtube.com/watch? v=plPX31klCx&list=PL1b9Ht9ISqIFlnLTS7xxQ6dRdlp4Jc8Vh&index=15	
	THEORY OF TORSION AND SPRING - 3	https://www.youtube.com/watch? v=k6uqWwu8Cba&list=PL1b9Ht9ISqIFlnLTS7xxQ6dRdlp4Jc8Vh&index=16	
	THEORY OF TORSION AND SPRING - 4	https://www.youtube.com/watch? v=gAyj6re9wQY&list=PL1b9Ht9ISqIFlnLTS7xxQ6dRdlp4Jc8Vh&index=17	
	THEORY OF TORSION AND SPRING - 5	https://www.youtube.com/watch? v=PhfdohNYORQ&list=PL1b9Ht9ISqIFlnLTS7xxQ6dRdlp4Jc8Vh&index=18	

DESIGN OF MACHINE ELEMENTS

UNIT	TOPIC	URL	QR
1	INTRODUCTION TO ENGINEERING DESIGN	https://www.youtube.com/watch?v=zD-DviP4BjM&list=PL1b9Ht9ISqIFNZEMMpLDI5Vo0_PWdnIm&index=1	
	TYPES OF FAILURE AND PROBLEM SOLVING	https://www.youtube.com/watch?v=l_6G_8ggmKo&list=PL1b9Ht9ISqIFNZEMMpLDI5Vo0_PWdnIm&index=2	
	DESIGN OF JOINTS AND FASTENERS	https://www.youtube.com/watch?v=WlEmZpENTB8&list=PL1b9Ht9ISqIFNZEMMpLDI5Vo0_PWdnIm&index=3	
	DESIGN OF SLEEVE AND COTTER JOINT	https://www.youtube.com/watch?v=DKMKhSi36Co&list=PL1b9Ht9ISqIFNZEMMpLDI5Vo0_PWdnIm&index=4	
	DESIGN OF KNUCKLE JOINT	https://www.youtube.com/watch?v=WQzXzNjEwnc&list=PL1b9Ht9ISqIFNZEMMpLDI5Vo0_PWdnIm&index=5	
2	DESIGN OF SHAFT 1	https://www.youtube.com/watch?v=vuf4f_pUJ6o&list=PL1b9Ht9ISqIFNZEMMpLDI5Vo0_PWdnIm&index=6	
	DESIGN OF SHAFT 2	https://www.youtube.com/watch?v=gY8XkXuje10&list=PL1b9Ht9ISqIFNZEMMpLDI5Vo0_PWdnIm&index=7	

	DESIGN OF COUPLING	https://www.youtube.com/watch?v=u0BsgogmA8E&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=8	
	DESIGN OF COUPLING	https://www.youtube.com/watch?v=yFISK8fkHcl&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=9	
	DESIGN OF BELTS 1	https://www.youtube.com/watch?v=93pyg-RTT4M&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=10	
3	DESIGN OF BELTS 2	https://www.youtube.com/watch?v=PZJ4WmQdU2o&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=11	
	DESIGN OF V BELT 1	https://www.youtube.com/watch?v=ArQtJcUXKWw&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=12	
4	DESIGN OF BEARINGS	https://www.youtube.com/watch?v=sAP0gKCu28c&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=13	
	DESIGN OF BEARINGS	https://www.youtube.com/watch?v=o6waxuPRmfA&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=14	
	DESIGN OF BEARINGS AND LEVERS	https://www.youtube.com/watch?v=Y4UOEJ2BMul&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=15	

	5 DESIGN OF LEVERS 1	https://www.youtube.com/watch?v=8J0PML_WDB0&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=16	
	DESIGN OF LEVERS 2	https://www.youtube.com/watch?v=y1XCRZvJZGk&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=17	
	DESIGN OF LEVERS 3	https://www.youtube.com/watch?v=bTl2IB5OEg&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=18	
	DESIGN OF GEARS	https://www.youtube.com/watch?v=Q6s8QYR6gKM&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=20	
	DESIGN OF GEARS	https://www.youtube.com/watch?v=9lhqVwyZ7jQ&list=PL1b9Ht9ISqIFNZEMMpaLDI5Vo0_PWdnIm&index=19	

HEAT POWER ENGINEERING

UNIT	TOPIC	URL	QR
1	Basics of thermodynamics	https://www.youtube.com/watch?v=NplI017XBMI&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=1	
	Specific heat capacities	https://www.youtube.com/watch?v=NBkzQpIPeFk&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=2	
	Thermodynamic cycles	https://www.youtube.com/watch?v=CgA12MPG30Q&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=3	
	Universol gas constant	https://www.youtube.com/watch?v=vp-eXJipelw&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=4	
	Problems 1	https://www.youtube.com/watch?v=RyfMEnZ_3zY&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=5	
	Thermodynamic processes	https://www.youtube.com/watch?v=1WoPE3pMes&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=6	
	Problems 2	https://www.youtube.com/watch?v=OZh1A2q1Yc0&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=7	
2	Steady flow system	https://www.youtube.com/watch?v=zIKezE3pMes&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=8	
	Thermodynamic air cycles	https://www.youtube.com/watch?v=o8ZAfR7zsQ&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=9	

	Otto cycle	https://www.youtube.com/watch?v=4GKw89f1Tlc&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=10	
	Desiel cycle	https://www.youtube.com/watch?v=wa3PR6ZIK3k&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=11	
	Important formulas	https://www.youtube.com/watch?v=9NO49YTJl2o&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=12	
	Problems 1	https://www.youtube.com/watch?v=XXZLB36MKaw&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=13	
	Problems 2	https://www.youtube.com/watch?v=s6e6piV1ZKE&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=14	
	Fuels and cumbusion 1	https://www.youtube.com/watch?v=BQHNB1_z2f8&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=15	
	Fuels and cumbusion 2	https://www.youtube.com/watch?v=eEFluleXkc&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=16	
	Fuels and cumbusion 3	https://www.youtube.com/watch?v=-TcECsixCw&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=17	
	Problems in excess air calculations1	https://www.youtube.com/watch?v=AJ-ZR1tnfA&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=18	

	Problems in excess air calculations2	https://www.youtube.com/watch? v=VLU8AB9KOQE&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=19	
3	Air compressors 1	https://www.youtube.com/watch? v=yMVpTkdtfx8&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=20	
	Air compressors 2	https://www.youtube.com/watch? v=yRUEqOBA1Zg&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=21	
	Air compressors 3	https://www.youtube.com/watch? v=BeDkDzIA2Y&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=22	
	Air compressors 4	https://www.youtube.com/watch? v=bXSq2l8TFqE&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=23	
	Air compressors 5	https://www.youtube.com/watch? v=T1bfKG_lkHU&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=24	
	Air compressors 6	https://www.youtube.com/watch? v=9Nh6WkqNg&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=25	
4			
	Formation of steam and steam calorimeter 1	https://www.youtube.com/watch? v=hePx2lq_xI&list=PL1b9Ht9ISqIGJqaTGxcqmSEwLa_WWI83e&index=26	
	Formation of steam and steam calorimeter 2	https://www.youtube.com/watch? v=6G8HTpl_h4&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=27	

	Formation of steam and steam calorimeter 3	https://www.youtube.com/watch? v=yTAbZ2PwsfI&list=PL1b9Ht9ISqlGJqqTGxcqmSEwLa_WWI83e&index=28	
	Formation of steam and steam calorimeter 4	https://www.youtube.com/watch? v=yMMNkt570S0A&list=PL1b9Ht9ISqlGJqqTGxcqmSEwLa_WWI83e&index=29	
	Formation of steam and steam calorimeter 5	https://www.youtube.com/watch? v=F9PVUEjCN2Y&list=PL1b9Ht9ISqlGJqqTGxcqmSEwLa_WWI83e&index=30	
	Formation of steam and steam calorimeter 6	https://www.youtube.com/watch? v=xC14mTPW1g&list=PL1b9Ht9ISqlGJqqTGxcqmSEwLa_WWI83e&index=31	
	Formation of steam and steam calorimeter 7	https://www.youtube.com/watch? v=EDx4cVTdFmY&list=PL1b9Ht9ISqlGJqqTGxcqmSEwLa_WWI83e&index=32	
	Formation of steam and steam calorimeter 8	https://www.youtube.com/watch? v=q_X8N2lkkq4&list=PL1b9Ht9ISqlGJqqTGxcqmSEwLa_WWI83e&index=33	
	Formation of steam and steam calorimeter 9	https://www.youtube.com/watch? v=4vf786pTwNA&list=PL1b9Ht9ISqlGJqqTGxcqmSEwLa_WWI83e&index=34	
	Formation of steam and steam calorimeter 10	https://www.youtube.com/watch? v=mImJ1WqrMg&list=PL1b9Ht9ISqlGJqqTGxcqmSEwLa_WWI83e&index=35	
	Formation of steam and steam calorimeter 11	https://www.youtube.com/watch? v=3rjY4AFihU&list=PL1b9Ht9ISqlGJqqTGxcqmSEwLa_WWI83e&index=36	

	Formation of steam and steam calorimeter 12	https://www.youtube.com/watch?v=ZKepBHSOXLE&list=PL1b9Ht9ISqlGJgqTGxcqmSEwLa_WWI83e&index=37	
5			
	Steam boiler 1	https://www.youtube.com/watch?v=6NT1J5o80_Y&list=PL1b9Ht9ISqlGJgqTGxcqmSEwLa_WWI83e&index=38	
	Steam boiler 2	https://www.youtube.com/watch?v=O7g9Dfgh8lq&list=PL1b9Ht9ISqlGJgqTGxcqmSEwLa_WWI83e&index=39	
	Steam boiler 3	https://www.youtube.com/watch?v=K1jvEn7NEU&list=PL1b9Ht9ISqlGJgqTGxcqmSEwLa_WWI83e&index=40	
	Steam boiler 4	https://www.youtube.com/watch?v=OF9jlIZzs4c&list=PL1b9Ht9ISqlGJgqTGxcqmSEwLa_WWI83e&index=41	
	Steam boiler 5	https://www.youtube.com/watch?v=D24WxN9AFjk&list=PL1b9Ht9ISqlGJgqTGxcqmSEwLa_WWI83e&index=42	
	Steam boiler 6	https://www.youtube.com/watch?v=pw6vePUox8U&list=PL1b9Ht9ISqlGJgqTGxcqmSEwLa_WWI83e&index=43	
	Steam boiler 7	https://www.youtube.com/watch?v=wUB6MSaE1CE&list=PL1b9Ht9ISqlGJgqTGxcqmSEwLa_WWI83e&index=44	
	Steam boiler 8	https://www.youtube.com/watch?v=tRv8fRDig6w&list=PL1b9Ht9ISqlGJgqTGxcqmSEwLa_WWI83e&index=45	

	Steam boiler 9	https://www.youtube.com/watch?v=HV5lvz0lrD8&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=46	
	Steam boiler 10	https://www.youtube.com/watch?v=YAsMGXNxmk&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=47	
	Steam boiler 11	https://www.youtube.com/watch?v=E0DxpQ8UDMk&list=PL1b9Ht9ISqIGJqqTGxcqmSEwLa_WWI83e&index=48	

THERMAL AND AUTOMOBILE ENGG

UNIT	TOPIC	URL	QR
1	Thermal power plant layout	https://www.youtube.com/watch?v=0Tw3QTj9Cu4	
	Merits and demerits of thermal power plant	https://www.youtube.com/watch?v=6750nVvf-Rk	
	Electrostatic precipitator	https://www.youtube.com/watch?v=cVAcnq8yMuA&list=PL1b9Ht9ISqlG_szHgF6Fie9fdDpf8WOE0&index=7	
	Rankin cycle	https://www.youtube.com/watch?v=eTAQ6xEJukM&list=PL1b9Ht9ISqlG_szHgF6Fie9fdDpf8WOE0&index=9	
	Rankin cycle	https://www.youtube.com/watch?v=9c6yzentCAA	
	Classification of condensors	https://www.youtube.com/watch?v=E-9hwZla6_4&list=PL1b9Ht9ISqlG_szHgF6Fie9fdDpf8WOE0&index=6	
	Evaporation of condensor	https://www.youtube.com/watch?v=kvL8EuiMeIQ&list=PL1b9Ht9ISqlG_szHgF6Fie9fdDpf8WOE0&index=5	

	Problems 1	https://www.youtube.com/watch?v=r7egsacAUkQ	
	Problems 2	https://www.youtube.com/watch?v=tdf3bylUP1c	
	Refrigerents	https://www.youtube.com/watch?v=67gZ_Q8nbtM	
	Air conditioning	https://www.youtube.com/watch?v=la_JT8fZGr8	
2	Introduction to heat engine	https://www.youtube.com/watch?v=53RmkTevadk&list=PL1b9Ht9ISqIG_szHgF6Fie9fdDpf8WOE0&index=4	
	Two stroke petrol engine	https://www.youtube.com/watch?v=85K4_4PfRpQ&list=PL1b9Ht9ISqIG_szHgF6Fie9fdDpf8WOE0&index=1	
	Liners and pistons	https://www.youtube.com/watch?v=UYsu15LqZ2E&list=PL1b9Ht9ISqIG_szHgF6Fie9fdDpf8WOE0&index=2	
	Rods and engines	https://www.youtube.com/watch?v=96gzgrYKA50&list=PL1b9Ht9ISqIG_szHgF6Fie9fdDpf8WOE0&index=3	

	Performance of ic engine	https://www.youtube.com/watch?v=8D4J06LFEo	
	IC engine performance test	https://www.youtube.com/watch?v=R5WFbcebhnk&list=PL1b9Ht9ISqIG_szHgF6Fie9fdDpf8WOE0&index=13	
	Efficiency of ic engines	https://www.youtube.com/watch?v=uuFLw-rl04I&list=PL1b9Ht9ISqIG_szHgF6Fie9fdDpf8WOE0&index=14	
	Heat balance sheet	https://www.youtube.com/watch?v=gJhHiyZOBAs&list=PL1b9Ht9ISqIG_szHgF6Fie9fdDpf8WOE0&index=16	
	Performance of ic engine problems	https://www.youtube.com/watch?v=eJ_Czwbm_5w&list=PL1b9Ht9ISqIG_szHgF6Fie9fdDpf8WOE0&index=15	
	DOTE	https://www.youtube.com/watch?v=eFa1mkpE5yA&list=PL1b9Ht9ISqIG_szHgF6Fie9fdDpf8WOE0&index=10	
	DOTE	https://www.youtube.com/watch?v=rs2-FudbfTI&list=PL1b9Ht9ISqIG_szHgF6Fie9fdDpf8WOE0&index=11	
	DOTE	https://www.youtube.com/watch?v=stqpKzGeLu4&list=PL1b9Ht9ISqIG_szHgF6Fie9fdDpf8WOE0&index=12	

ELECTRICAL DRIVES AND CONTROL

UNIT	TOPIC	URL	QR
1	DC CIRCUITS AND DC MACHINES 1	https://www.youtube.com/watch?v=a5A6-OymGQk&list=PL1b9Ht9ISqlHM5wGLIFqxqsWE3CGQuGR3&index=1	
	DC CIRCUITS AND DC MACHINES 2	https://www.youtube.com/watch?v=gymHkgawPmg&list=PL1b9Ht9ISqlHM5wGLIFqxqsWE3CGQuGR3&index=2	
	DC CIRCUITS AND DC MACHINES 3	https://www.youtube.com/watch?v=12gsvXqzLpg&list=PL1b9Ht9ISqlHM5wGLIFqxqsWE3CGQuGR3&index=3	
	DC CIRCUITS AND DC MACHINES 4	https://www.youtube.com/watch?v=DsOAnLka5II&list=PL1b9Ht9ISqlHM5wGLIFqxqsWE3CGQuGR3&index=4	
	DC CIRCUITS AND DC MACHINES 5	https://www.youtube.com/watch?v=DKAbMEAK4Zo&list=PL1b9Ht9ISqlHM5wGLIFqxqsWE3CGQuGR3&index=5	
2	AC CIRCUITS AND MACHINES 1	https://www.youtube.com/watch?v=gWxw15v04&list=PL1b9Ht9ISqlHM5wGLIFqxqsWE3CGQuGR3&index=6	
	AC CIRCUITS AND MACHINES 2	https://www.youtube.com/watch?v=kZ-A4bruVN0&list=PL1b9Ht9ISqlHM5wGLIFqxqsWE3CGQuGR3&index=7	
	AC CIRCUITS AND MACHINES 3	https://www.youtube.com/watch?v=1cBJC98cen8&list=PL1b9Ht9ISqlHM5wGLIFqxqsWE3CGQuGR3&index=8	
	AC CIRCUITS AND MACHINES 4	https://www.youtube.com/watch?v=puJbpVG9vU&list=PL1b9Ht9ISqlHM5wGLIFqxqsWE3CGQuGR3&index=9	

	AC CIRCUITS AND MACHINES 5	https://www.youtube.com/watch?v=uEZSJk5Ju0U&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=10	
	AC CIRCUITS AND MACHINES 6	https://www.youtube.com/watch?v=ENy8GPrOYhA&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=11	
3	STEPPER AND SERVO MOTORS AND DRIVES 1	https://www.youtube.com/watch?v=XICelH2paQ&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=12	
	STEPPER AND SERVO MOTORS AND DRIVES 2	https://www.youtube.com/watch?v=tquv1hp6L8&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=13	
	STEPPER AND SERVO MOTORS AND DRIVES 3	https://www.youtube.com/watch?v=zB5ozdnR4bI&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=14	
	STEPPER AND SERVO MOTORS AND DRIVES 4	https://www.youtube.com/watch?v=L9j0goSw hvk&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=15	
	STEPPER AND SERVO MOTORS AND DRIVES 5	https://www.youtube.com/watch?v=nmK_Exqglog&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=16	
4	POWER SUPPLY AND LOGIC GATES 1	https://www.youtube.com/watch?v=ToWH7FExNpA&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=17	
	POWER SUPPLY AND LOGIC GATES 2	https://www.youtube.com/watch?v=LVi mh8qvclg&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=18	

	POWER SUPPLY AND LOGIC GATES 3	https://www.youtube.com/watch?v=q21jdy1DPrk&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=19	
	POWER SUPPLY AND LOGIC GATES 4	https://www.youtube.com/watch?v=087mgcmBI5E&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=20	
5	CONTROL ELEMENTS AND PLC 1	https://www.youtube.com/watch?v=DZ9f5tpjBE&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=21	
	CONTROL ELEMENTS AND PLC 2	https://www.youtube.com/watch?v=R_s_cmW8WyM&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=22	
	CONTROL ELEMENTS AND PLC 3	https://www.youtube.com/watch?v=grKnLPTsTCA&list=PL1b9Ht9ISqlHM5wGLIFqxgsWE3CGQuGR3&index=23	

ELECTRICAL MACHINES			
UNIT	TOPIC	URL	QR
1	EQUATION OF TRANSFORMERS	https://www.youtube.com/watch?v=h9D-4VpHeeA&list=PL1b9Ht9ISqIG2A8ggseHfr803rtLYPV6Q&index=1	
2	FEILD CONTROL AND TAPPING METHODE	https://www.youtube.com/watch?v=FWq12BxgJ_w&list=PL1b9Ht9ISqIG2A8ggseHfr803rtLYPV6Q&index=2	
3	OC AND SC TEST	https://www.youtube.com/watch?v=g6_xXwJTBzM&list=PL1b9Ht9ISqIG2A8ggseHfr803rtLYPV6Q&index=3	
4	DC MACHINES	https://www.youtube.com/watch?v=aZkQbgg8jmY&list=PL1b9Ht9ISqIG2A8ggseHfr803rtLYPV6Q&index=4	
5	TRANSFORMER	https://www.youtube.com/watch?v=Lur0HoQjr10&list=PL1b9Ht9ISqIG2A8ggseHfr803rtLYPV6Q&index=5	
6	INTRO DC MOTOR	https://www.youtube.com/watch?v=J2rU1jEAM-s&list=PL1b9Ht9ISqIG2A8ggseHfr803rtLYPV6Q&index=6	
7	CONSTANT AND VARIABLE LOSS	https://www.youtube.com/watch?v=w0FPa0vrCcl&list=PL1b9Ht9ISqIG2A8ggseHfr803rtLYPV6Q&index=7	

ELECTRICAL CIRCUITS AND INSTRUMENTS			
UNIT	TOPIC	URL	QR
	AC THROUGH PURE INDUCTOR AND CAPACITOR	https://www.youtube.com/watch?v=e9YRpLKDoUs	
	KVL AND KCL	https://www.youtube.com/watch?v=zX5SiFQuxd8	
	KVL AND KCL (COPY)	https://www.youtube.com/watch?v=zX5SiFQuxd8	
	RESISTOR IN SERIES AND PARALLEL	https://www.youtube.com/watch?v=W7SZQT26Jac	
	MESH METHOD AND THEVENIN THEOREM	https://www.youtube.com/watch?v=B-cjGGCB74Q&list=PL1b9Ht9ISqlU_n	

	THEVENINS THEROM AND	https://www.youtube.com/watch?v=snUsb99vQOg	
	NORTON THEROM	https://www.youtube.com/watch?v=EHdcvuUpws0	
	SUPERPOSITION AND MAX POWER TRANSFER THEROMS AND INTRO TO AC	https://www.youtube.com/watch?v=m-rwjWajKj0	
	AC THROUGE PURE CAP AND IND	https://www.youtube.com/watch?v=CiNL736ifc	
	AC THROUGH PURE INDUCTOR AND CAPACITOR	https://www.youtube.com/watch?v=e9YRplKD0Us	
	INTRO TO RL CIRCUITS	https://www.youtube.com/watch?v=cIDoAoJGd0g	

	AC THROUGH RC SERIES CIRCUIT\	https://www.youtube.com/watch?v=BzIkW2APgeQ	
	RLC SERIES RESONANCE	https://www.youtube.com/watch?v=WdfkQN12nRI	
	RLC PARALLEL	https://www.youtube.com/watch?v=59V5AGgdvcg&list=PL1b9Ht9ISqIHn-ODuVVvNDkD	
	TRANSFORMERS AND DC MACHINES	https://www.youtube.com/watch?v=pDoY-FWVXWY	
	INSTUMENTATION AND CONTROL	https://www.youtube.com/watch?v=EFtt5_0mA34&list=PL1b9Ht9ISqIHn-ODuVVvNDkD	
	INSTRUMENTA TION	https://www.youtube.com/watch?v=NlyAZAZ2Kas&list=PL1b9Ht9ISqIHn-ODuVVvNDkD	

	MOTORS AND M AND I	https://www.youtube.com/watch?v=x9jvixNuPpk	
	PMMC	https://www.youtube.com/watch?v=lkrEGCZ1aY	
	PMMC DC AMMETERE AND VOLT METER	https://www.youtube.com/watch?v=FCoWyf9wR8k	

LINEAR INTERGRATED CIRCUITS			
UNIT	TOPIC	URL	QR
	IC INTRODUCTION	https://www.youtube.com/watch?v=qQtkOmYTuk&list=PL1b9Ht9ISqlGlaDomHp1gfmRcJNBtvrd8&index=1	
	TYPES OF ICS	https://www.youtube.com/watch?v=xngXe0hgknI&list=PL1b9Ht9ISqlGDvsfugB4iTf7bzCSYulHV&index=2	
	OP AMP IN PIN DIAGRAM	https://www.youtube.com/watch?v=2EiQXZFU6g4&list=PL1b9Ht9ISqlGDvsfugB4iTf7bzCSYulHV&index=1	
	PARAMETER	https://www.youtube.com/watch?v=5cZQzignGc&list=PL1b9Ht9ISqlGlaDomHp1gfmRcJNBtvrd8&index=2	
	OPEN LOOP OP AMP	https://www.youtube.com/watch?v=l2CT1aNUDHo&list=PL1b9Ht9ISqlGlaDomHp1gfmRcJNBtvrd8&index=3	
	INVERTING AMPLIFIER	https://www.youtube.com/watch?v=lXTU8d8G1_A&list=PL1b9Ht9ISqlGDvsfugB4iTf7bzCSYulHV&index=5	
	SIGN CHANGER	https://www.youtube.com/watch?v=bAbhNRVGiwE&list=PL1b9Ht9ISqlGDvsfugB4iTf7bzCSYulHV&index=3	
	INTEGRATOR	https://www.youtube.com/watch?v=U2duY-3Nakg&list=PL1b9Ht9ISqlGlaDomHp1gfmRcJNBtvrd8&index=4	

	V TO I AND I TO V	https://www.youtube.com/watch? v=int1oOD9gkE&list=PL1b9Ht9ISqIGDvsfugB4iTf7bzCSYulHV&index=6	
	DIFFERENTIAL AMPLIFIER	https://www.youtube.com/watch? v=xehHscQO2vo&list=PL1b9Ht9ISqIGDvsfugB4iTf7bzCSYulHV&index=4	
	INSTRUMENTATION AMPLIFIER	https://www.youtube.com/watch? v=az6T4yqtf5g&list=PL1b9Ht9ISqIGlaDomHp1gfmRcJNBtvrd8&index=5	
	WAVEFORM GENERATOR	https://www.youtube.com/watch? v=9h_2yjUXetw&list=PL1b9Ht9ISqIGlaDomHp1gfmRcJNBtvrd8&index=6	
	DAC APPLICATION	https://www.youtube.com/watch? v=GvL374oXdbM&list=PL1b9Ht9ISqIGDvsfugB4iTf7bzCSYulHV&index=7	
	DAC CONVERTER	https://www.youtube.com/watch? v=RMHf6X0THOY&list=PL1b9Ht9ISqIGlaDomHp1gfmRcJNBtvrd8&index=7	
	R 2 R LADDER	https://www.youtube.com/watch? v=Qpk3EqZtkxg&list=PL1b9Ht9ISqIGDvsfugB4iTf7bzCSYulHV&index=8	
	ADC	https://www.youtube.com/watch? v=pVxXn21R7Lo&list=PL1b9Ht9ISqIGlaDomHp1gfmRcJNBtvrd8&index=8	

	DUAL SLOPER ADC 1	https://www.youtube.com/watch? v=a7pgsLVR0lo&list=PL1b9Ht9ISqIGDvsfugB4iTf7bzCSYulHV&index=9	
	DUAL SLOPER ADC 2	https://www.youtube.com/watch? v=fxZOKoMFMo&list=PL1b9Ht9ISqIGlaDomHp1gfmRcJNBtvrd8&index=9	
	IC 555 TIMER	https://www.youtube.com/watch? v=syXE40E7fZc&list=PL1b9Ht9ISqIGDvsfugB4iTf7bzCSYulHV&index=10	
	ASTABLE MULTIVIBRATOR	https://www.youtube.com/watch? v=hzH_TYPOrMM&list=PL1b9Ht9ISqIGlaDomHp1gfmRcJNBtvrd8&index=10	
	IC REGULATOR	https://www.youtube.com/watch? v=7BW7uayah-E&list=PL1b9Ht9ISqIGDvsfugB4iTf7bzCSYulHV&index=11	
	PLL 1	https://www.youtube.com/watch? v=fcky2f6DrS4&list=PL1b9Ht9ISqIGlaDomHp1gfmRcJNBtvrd8&index=11	
	PLL 2	https://www.youtube.com/watch? v=axY_Tc3TP2E&list=PL1b9Ht9ISqIGDvsfugB4iTf7bzCSYulHV&index=12	
	PLL 3	https://www.youtube.com/watch? v=4HkVvnF9Ey8&list=PL1b9Ht9ISqIGDvsfugB4iTf7bzCSYulHV&index=13	

		<p>https://www.youtube.com/watch? v=B4YKsBtk85w&list=PL1b9Ht9ISqIGlaDomHp1gfmRcJNBtvrd8&index=12</p>	
PLL 4			

VERY LARGE SCALE INTERGRATION			
UNIT	TOPIC	URL	QR
	INTRO TO VLSI DESIGN	https://www.youtube.com/watch?v=DxGYiNOi7Ts&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=9	
	OVERVIEW OF CMOS	https://www.youtube.com/watch?v=Bzoe1JnlEnY&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=11	
	DIGITAL LOGIC VARIABLES	https://www.youtube.com/watch?v=0v3n7hlPnmw&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=10	
	COMBINATIONAL CIRCUIT	https://www.youtube.com/watch?v=4C25YlwJil&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=12	
	DEMUX	https://www.youtube.com/watch?v=6Gt334KbtI8&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=13	
	ARITHMETIC FUNCTIONS	https://www.youtube.com/watch?v=aH_5IW65pqQ&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=14	
	DESIGN PROCESS	https://www.youtube.com/watch?v=OggjRJ0jNW8&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=15	
	VHDL PROGRAMS	https://www.youtube.com/watch?v=EYHVGulxhr8&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=16	

	VHDL CODE LOGIC GATES	https://www.youtube.com/watch?v=yI1FVF0wopg&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=17	
	ENCODER	https://www.youtube.com/watch?v=0LHuBzZQbM&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=18	
	PLD AND FPGA	https://www.youtube.com/watch?v=TlgzbKAstc&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=19	
	SEQUENTIAL CIRCUIT AND FLIP FLOP	https://www.youtube.com/watch?v=ULI2-ugJF0A&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=1	
	COUNTER INTRO	https://www.youtube.com/watch?v=qvnny5buBg&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=2	
	SYNCHRONOUS COUNTER	https://www.youtube.com/watch?v=lxfbQmVQ0NI&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=3	
	SHIFT REGISTERS	https://www.youtube.com/watch?v=1OsEkxOobgE&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=4	
	MOORE MACHNINES	https://www.youtube.com/watch?v=lwo071lvC54&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=5	

	STROAGE	https://www.youtube.com/watch?v=buuzZEXOzol&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=6	
	LATCHES	https://www.youtube.com/watch?v=5ale5SJcJ9w&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=7	
	COUNTERS	https://www.youtube.com/watch?v=29Ui09kJB_g&list=PL1b9Ht9ISqlFebUrZ-M4HPXTzPQ1WCOsP&index=8	

C PROGRAMMING ECE			
UNIT	TOPIC	URL	QR
	PROGRAM IN C 1	https://www.youtube.com/watch?v=vkTvD48ezR0&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=1	
	C OPERATOR	https://www.youtube.com/watch?v=_J9mPN8XQbQ&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=2	
	TYPE CONVERSION	https://www.youtube.com/watch?v=Ladlu20rYhs&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=3	
	LOOPING STATE MENT	https://www.youtube.com/watch?v=_ngp1w0n2jc&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=4	
	ARRAY & STRING 1	https://www.youtube.com/watch?v=P-_I6JV8xQb4&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=6	
	ARRAY & STRING 2	https://www.youtube.com/watch?v=env4gmr-KKg&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=5	
	ARRAY & STRING 3	https://www.youtube.com/watch?v=7k9x3_SP5Bk&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=7	

	SCOPE AND LIFE TIME VARISBLES	https://www.youtube.com/watch?v=SMC0RiE8kuq&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=8	
	STRUCTURES	https://www.youtube.com/watch?v=qDy3JUU-gOo&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=26	
	STRUCTURES UNIONS AND DYNAMIC MEMORY 1	https://www.youtube.com/watch?v=F1_WQM-Uf2w&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=27	
	STRUCTURES UNIONS AND DYNAMIC MEMORY 2	https://www.youtube.com/watch?v=hqIWKH-gYA&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=28	
	STRUCTURES UNIONS AND DYNAMIC MEMORY 3	https://www.youtube.com/watch?v=zNtMiwOp5m0&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=29	
	C PROGRAMS 1	https://www.youtube.com/watch?v=J6dlPmuU9E&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=32	
	C PROGRAMS 2	https://www.youtube.com/watch?v=Xh1m0eB4nyc&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=30	
	C PROGRAMS 3	https://www.youtube.com/watch?v=Sc-B7I3mTyY&list=PL1b9Ht9ISqlH8jyLwM2cDGhbYvljrfr8w&index=31	

PROGRAMMING IN C			
UNIT	TOPIC	URL	QR
1	C LANGUAGE 1	https://www.youtube.com/watch?v=db5TnKoJPl&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=1	
	C LANGUAGE 2	https://www.youtube.com/watch?v=K1yJVbCfCx8&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=2	
2	ALGORITHM	https://www.youtube.com/watch?v=RZVxrrOL3o&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=3	
	FEATURES OF C	https://www.youtube.com/watch?v=EEaTjMjKRw&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=4	
	INPUT AND OUTPUT 1	https://www.youtube.com/watch?v=Tx9XIRww_pw&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=5	
	INPUT AND OUTPUT 2	https://www.youtube.com/watch?v=7waVj-x54P4&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=6	
	INPUT AND OUTPUT 3	https://www.youtube.com/watch?v=zaruwWvA6W0&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=7	
	BRANCHING	https://www.youtube.com/watch?v=ST365wNidMU&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=8	
	LOOPING STATEMENT	https://www.youtube.com/watch?v=XRSIz2Hv8&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=9	

		https://www.youtube.com/watch? v=6MrV50NCmag&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=10	
	STRING	https://www.youtube.com/watch? v=kqsaIG3bnHo&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=11	
	SIMPLE PROGRAMS 1	https://www.youtube.com/watch? v=6ze_qJ42aA&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=12	
	SIMPLE PROGRAMS 2	https://www.youtube.com/watch? v=cV8sPmzF3F0&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=13	
	SIMPLE PROGRAMS 3	https://www.youtube.com/watch?v=oNT-- K36BmE&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=14	
5	FUNCTIONS	https://www.youtube.com/watch? v=RFQp7MV2Brg&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=15	
	ARRAY FUNCNTION 1	https://www.youtube.com/watch? v=htHe2hIpz-Y&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=16	
	ARRAY FUNCNTION 2	https://www.youtube.com/watch? v=D_uxAyaYNy8&list=PL1b9Ht9ISqIE_QjboorJEhs0VOSCiOFOE&index=17	
	ARRAY FUNCNTION 3	https://www.youtube.com/watch?v=TuE9_ewcfoQ&list	

	ARRAY FUNCNTION 4	https://www.youtube.com/watch?v=BN4IzrK7lj4&list=F	
	ARRAY FUNCNTION 5	https://www.youtube.com/watch?v=qb7-4yj4AjY&list=F	
	ARRAY FUNCNTION 6	https://www.youtube.com/watch?v=cBi1UQ77ljY&list=F	
	ARRAY FUNCNTION 7	https://www.youtube.com/watch?v=rc6Knsk6mNo&list=F	
	ARRAY FUNCNTION 8	https://www.youtube.com/watch?v=bPMIzo6Lq-0&list=F	
	ARRAY FUNCNTION 9	https://www.youtube.com/watch?v=KmbSLd94YVw&list=F	
	ARRAY FUNCNTION 10	https://www.youtube.com/watch?v=tdWVF3DTTaw&list=F	
	ARRAY FUNCNTION 11	https://www.youtube.com/watch?v=AzJSiURSvm4&list=F	
	ARRAY FUNCNTION 12	https://www.youtube.com/watch?v=hPOAQchHZDc8&list=F	

	ARRAY FUNCNTION 13	https://www.youtube.com/watch?v=yaB2uwD-jX0&list	
	ARRAY FUNCNTION 14	https://www.youtube.com/watch?v=4O3mvb_Vzc0&list	
	ARRAY FUNCNTION 15	https://www.youtube.com/watch?v=m1zBXO96KB4&list	
	ARRAY FUNCNTION 16	https://www.youtube.com/watch?v=NPaKw3ZMkz4&list	
	ARRAY FUNCNTION 17	https://www.youtube.com/watch?v=bf62NgzDheU&list	
	ARRAY FUNCNTION 18	https://www.youtube.com/watch?v=asQWt3gNYY0&list	
	ARRAY FUNCNTION 19	https://www.youtube.com/watch?v=DRhWiU3zKrc&list	
	ARRAY FUNCNTION 20	https://www.youtube.com/watch?v=9LehMag-Ck4&list	
	ARRAY FUNCNTION 21	https://www.youtube.com/watch?v=mpc9CGDIgew&list	

	ARRAY FUNCNTION 22	https://www.youtube.com/watch?v=AwRU7uhJz4o&list=PLHgjyfXWVQDwOOGdIwvLcPmBzqCzGKU		
	ARRAY FUNCNTION 23	https://www.youtube.com/watch?v=7mkieLqmj2I&list=PLHgjyfXWVQDwOOGdIwvLcPmBzqCzGKU		
	ARRAY FUNCNTION 24	https://www.youtube.com/watch?v=u9WDLnUe-W4&list=PLHgjyfXWVQDwOOGdIwvLcPmBzqCzGKU		
	ARRAY FUNCNTION 25	https://www.youtube.com/watch?v=hBBp8N3Pza0&list=PLHgjyfXWVQDwOOGdIwvLcPmBzqCzGKU		
	ARRAY FUNCNTION 26	https://www.youtube.com/watch?v=bXruT-QUC6Y&list=PLHgjyfXWVQDwOOGdIwvLcPmBzqCzGKU		
	ARRAY FUNCNTION 27	https://www.youtube.com/watch?v=qiklmRLwr3M&list=PLHgjyfXWVQDwOOGdIwvLcPmBzqCzGKU		

OOPS WITH JAVA

UNIT	TOPIC	URL	QR
	INTRODUCTION TO OOPS AND JAVA	https://www.youtube.com/watch?v=tC5KdXPN2el&list=PL1b9Ht9ISqlEqq_MYpHz-dZjUy-o2skB8&index=14	
	INTRODUCTION TO OOPS AND JAVA	https://www.youtube.com/watch?v=9ZHpwtrtNyg&list=PL1b9Ht9ISqlEqq_MYpHz-dZjUy-o2skB8	
	INTRODUCTION TO OOPS AND JAVA	https://www.youtube.com/watch?v=fipxcmPhAzM&list=PL1b9Ht9ISqlEqq_MYpHz-dZjUy-o2skB8&index=2	
	HISTORY AND FEATURES OF JAVA	https://www.youtube.com/watch?v=VYIW0xci-pl&list=PL1b9Ht9ISqlEqq_MYpHz-dZjUy-o2skB8&index=3	
	CONSTANTS AND VARIABLE AND DATA TYPES	https://www.youtube.com/watch?v=gYW43NY6o8c&list=PL1b9Ht9ISqlEqq_MYpHz-dZjUy-o2skB8&index=4	
	DECESITION MAKING AND BRANCHING	https://www.youtube.com/watch?v=QiugQnyRwOw&list=PL1b9Ht9ISqlEqq_MYpHz-dZjUy-o2skB8&index=5	
	ARRAYS AND VECTROS	https://www.youtube.com/watch?v=tNurlutRCHk&list=PL1b9Ht9ISqlEqq_MYpHz-dZjUy-o2skB8&index=6	
	TYPE CASTING OPERATORS AND EXPRESSIONS	https://www.youtube.com/watch?v=gOChN_coLno&list=PL1b9Ht9ISqlEqq_MYpHz-dZjUy-o2skB8&index=7	

	STRING CLASSES AND INTERFACES	https://www.youtube.com/watch?v=6R7Den1_Ons&list=PL1b9Ht9ISqlEpg_MYpHz-dZjUy-o2skB8&index=8	
	STRING CLASSES AND INTERFACES	https://www.youtube.com/watch?v=6N1tFId6hHU&list=PL1b9Ht9ISqlEpg_MYpHz-dZjUy-o2skB8&index=9	
	STRING CLASSES AND INTERFACES	https://www.youtube.com/watch?v=9rs04irhz4M&list=PL1b9Ht9ISqlEpg_MYpHz-dZjUy-o2skB8&index=10	
	PACKAGES APPLETS,AWT CONTROLS	https://www.youtube.com/watch?v=Wq60H_7ikNo&list=PL1b9Ht9ISqlEpg_MYpHz-dZjUy-o2skB8&index=11	
	PACKAGES APPLETS,AWT CONTROLS	https://www.youtube.com/watch?v=s9phlhNqHHU&list=PL1b9Ht9ISqlEpg_MYpHz-dZjUy-o2skB8&index=12	
	EXCEPTIONS MULTITHREADING AND STREAMS	https://www.youtube.com/watch?v=4RwWQsFyKGs&list=PL1b9Ht9ISqlEpg_MYpHz-dZjUy-o2skB8&index=13	

DATA STRUCTURE USING C

UNIT	TOPIC	URL	QR
	DATA STRUCTURE INTRO	https://www.youtube.com/watch?v=h1EXpL7Gh_M&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=56	
	MEMORY REPRESENTATION	https://www.youtube.com/watch?v=YPz72p9OYIA&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=57	
	INFIX TO POSTFIX	https://www.youtube.com/watch?v=fl_UKe0hIY&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=58	
	COMPLEXITY	https://www.youtube.com/watch?v=J-TUWmAWlac&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=59	
	POINTERS AND STRINGS	https://www.youtube.com/watch?v=bYaYbKe32bo&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=60	
	QUEUE	https://www.youtube.com/watch?v=pP33i2jVbU&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=61	
	QUEUE PROGRAM	https://www.youtube.com/watch?v=0zMhunjpP1U&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=62	
	SINGLE LINKED LIST	https://www.youtube.com/watch?v=lyCWcSGrhk&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=63	

	NODE INSERTION	https://www.youtube.com/watch?v=ftsZBvXUTSI&list=PL1b9Ht9ISqlGj_iF2BjQi5DF_yOEII1hg&index=64	
	NODE DELETION	https://www.youtube.com/watch?v=-trLuM7ih-w&list=PL1b9Ht9ISqlGj_iF2BjQi5DF_yOEII1hg&index=65	
	SINGLE LINKED LIST PROGRAMS	https://www.youtube.com/watch?v=1zYQgOFNM9w&list=PL1b9Ht9ISqlGj_iF2BjQi5DF_yOEII1hg&index=66	
	TREE	https://www.youtube.com/watch?v=FhdKxHsuKs&list=PL1b9Ht9ISqlGj_iF2BjQi5DF_yOEII1hg&index=67	
	BINARY TREE	https://www.youtube.com/watch?v=MHrhVvHr6gw&list=PL1b9Ht9ISqlGj_iF2BjQi5DF_yOEII1hg&index=68	
	PREORDER TRAVERSAL	https://www.youtube.com/watch?v=b93UeVKf6_Q&list=PL1b9Ht9ISqlGj_iF2BjQi5DF_yOEII1hg&index=69	
	BINARY SEARCH	https://www.youtube.com/watch?v=ivOWcB_2yg&list=PL1b9Ht9ISqlGj_iF2BjQi5DF_yOEII1hg&index=70	
	PATHS	https://www.youtube.com/watch?v=azZ_pzvBIW4&list=PL1b9Ht9ISqlGj_iF2BjQi5DF_yOEII1hg&index=71	

	GRAPH TRAVERSAL	https://www.youtube.com/watch? v=ubAg4jT3lzQ&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=72	
	BUBBLE SORT	https://www.youtube.com/watch? v=OAhHuKZUNo&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=73	
	BUBBLE SORT PROGRAM	https://www.youtube.com/watch? v=fx1UXvljlgs&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=74	
	COLLISION	https://www.youtube.com/watch? v=tPwUn8tVN8E&list=PL1b9Ht9ISqIGj_iF2BjQj5DF_yOEII1hg&index=75	

WEB PROGRAMMING			
UNIT	TOPIC	URL	QR
1	WEB PROGRAMMING 1	https://www.youtube.com/watch?v=oZ7jv4z8VKY&list=PL1b9Ht9ISqlHQ28v-RQQbySmO4YholhOk&index=5	
	INTERNET TOOLS 1	https://www.youtube.com/watch?v=0GhBWm5-vyk&list=PL1b9Ht9ISqlHQ28v-RQQbySmO4YholhOk&index=6	
2	INTERNET TOOLS 2	https://www.youtube.com/watch?v=WKDMBTC8w9E&list=PL1b9Ht9ISqlHQ28v-RQQbySmO4YholhOk&index=7	
	HTML 1	https://www.youtube.com/watch?v=gpz61ge3xiM&list=PL1b9Ht9ISqlHQ28v-RQQbySmO4YholhOk&index=8	
	HTML 2	https://www.youtube.com/watch?v=SIRcvKZc6wk&list=PL1b9Ht9ISqlHQ28v-RQQbySmO4YholhOk&index=9	
	HTML 3	https://www.youtube.com/watch?v=pY5_vfQ284&list=PL1b9Ht9ISqlHQ28v-RQQbySmO4YholhOk&index=10	
	ADVANCED HTML	https://www.youtube.com/watch?v=qHw-T8KRfgU&list=PL1b9Ht9ISqlHQ28v-RQQbySmO4YholhOk&index=11	

	FRAMES	https://www.youtube.com/watch?v=780E7qLaH-l&list=PL1b9Ht9ISqHQ28v-RQQbySmO4YholhOk&index=12	
	FORMATTING TEXT AND FORMATS	https://www.youtube.com/watch?v=wih578ZdWZU&list=PL1b9Ht9ISqHQ28v-RQQbySmO4YholhOk&index=13	
	JAVASCRIPT	https://www.youtube.com/watch?v=NMcQeal2g&list=PL1b9Ht9ISqHQ28v-RQQbySmO4YholhOk&index=14	
	BREAK STATEMENT	https://www.youtube.com/watch?v=epHeyZRPxbw&list=PL1b9Ht9ISqHQ28v-RQQbySmO4YholhOk&index=15	
	DIALOG BOX	https://www.youtube.com/watch?v=z90NNtMryY&list=PL1b9Ht9ISqHQ28v-RQQbySmO4YholhOk&index=16	
	IMAGE MAPS	https://www.youtube.com/watch?v=LJMsVIACL6s&list=PL1b9Ht9ISqHQ28v-RQQbySmO4YholhOk&index=17	
	SERVER SIDE SCRIPTING 1	https://www.youtube.com/watch?v=zIsmY4XiW3g&list=PL1b9Ht9ISqHQ28v-RQQbySmO4YholhOk&index=18	
	SERVER SIDE SCRIPTING 2	https://www.youtube.com/watch?v=aMNHaJXhhIU&list=PL1b9Ht9ISqHQ28v-RQQbySmO4YholhOk&index=19	

	SERVER SIDE SCRIPTING 3	https://www.youtube.com/watch? v=zlsmY4XiW3g	
	SERVER SIDE SCRIPTING 4	https://www.youtube.com/watch? v=aMNHaJXhhIU	
	SERVER SIDE SCRIPTING 5	https://www.youtube.com/watch? v=qdI91J80wtk	
	SERVER SIDE SCRIPTING 6	https://www.youtube.com/watch? v=dHf-RzdKNEU	