

S.No	Name	Youtube Link
<b>TOPIC: MACHINE DESIGN</b>		
1	Concept of machine Design	<a href="https://www.youtube.com/watch?v=gDQpICSA9No">https://www.youtube.com/watch?v=gDQpICSA9No</a>
2	Limit, Fit and Tolerance	<a href="https://www.youtube.com/watch?v=8_UHpnUdl6c">https://www.youtube.com/watch?v=8_UHpnUdl6c</a>
3	Understanding the Design concept of Curved	<a href="https://www.youtube.com/watch?v=Q4JfmQ4HZXg&amp;t=3s">https://www.youtube.com/watch?v=Q4JfmQ4HZXg&amp;t=3s</a>
4	Theory of Failure	<a href="https://www.youtube.com/watch?v=KO9FO79OYEU">https://www.youtube.com/watch?v=KO9FO79OYEU</a>
5	Design of Shaft	<a href="https://www.youtube.com/watch?v=JROwJuyvjck">https://www.youtube.com/watch?v=JROwJuyvjck</a>
6	Design of Flange Coupling	<a href="https://www.youtube.com/watch?v=v-TsO2fcEjM">https://www.youtube.com/watch?v=v-TsO2fcEjM</a>
7	Design of Welded Joint	<a href="https://www.youtube.com/watch?v=cCfpGNoGhUo">https://www.youtube.com/watch?v=cCfpGNoGhUo</a>
8	Design of Bolted Joints	<a href="https://www.youtube.com/watch?v=JDw0kd5u2_Y">https://www.youtube.com/watch?v=JDw0kd5u2_Y</a>
9	Design of Leaf Spring	<a href="https://www.youtube.com/watch?v=rIikC9Z7AtA">https://www.youtube.com/watch?v=rIikC9Z7AtA</a>
10	Design of helical spring	<a href="https://www.youtube.com/watch?v=lkDwOQwomSw">https://www.youtube.com/watch?v=lkDwOQwomSw</a>
11	Design of Flywheel Problem	<a href="https://www.youtube.com/watch?v=gFAMoBYOdTM">https://www.youtube.com/watch?v=gFAMoBYOdTM</a>
12	Design of Flywheel Part 01	<a href="https://www.youtube.com/watch?v=WQAFD3HpK_s">https://www.youtube.com/watch?v=WQAFD3HpK_s</a>
<b>TOPIC: STRENGTH OF MATERIALS</b>		
13	Mohr's Circle Method	<a href="https://www.youtube.com/watch?v=CQFULFh8-5Y">https://www.youtube.com/watch?v=CQFULFh8-5Y</a>
14	Types of Beam	<a href="https://www.youtube.com/watch?v=xt50AMbC0YQ">https://www.youtube.com/watch?v=xt50AMbC0YQ</a>
15	Shear Force and Bending Moment	<a href="https://www.youtube.com/watch?v=xt50AMbC0YQ">https://www.youtube.com/watch?v=xt50AMbC0YQ</a>
16	Moment of Inertia	<a href="https://www.youtube.com/watch?v=4THlz5kxV2U">https://www.youtube.com/watch?v=4THlz5kxV2U</a>
17	Shear stress distribution	<a href="https://www.youtube.com/watch?v=Sqkas67ik9Y">https://www.youtube.com/watch?v=Sqkas67ik9Y</a>
18	Conjugate Beam Method Slope and Deflection	<a href="https://www.youtube.com/watch?v=rpKH7PqrA2I">https://www.youtube.com/watch?v=rpKH7PqrA2I</a>
<b>TOPIC: FINITE ELEMENT ANALYSIS</b>		
19	Comparison of weighted Residual method to e	<a href="https://www.youtube.com/watch?v=gP7oA9uPTrU">https://www.youtube.com/watch?v=gP7oA9uPTrU</a>
20	Differential Equation of Beam	<a href="https://www.youtube.com/watch?v=u5UNcAIRCD8">https://www.youtube.com/watch?v=u5UNcAIRCD8</a>
21	Weighted Residual method	<a href="https://www.youtube.com/watch?v=u6ikxW74fmU">https://www.youtube.com/watch?v=u6ikxW74fmU</a>
22	Introduction of Stiffness Matrix	<a href="https://www.youtube.com/watch?v=0kyDy9BuP3c">https://www.youtube.com/watch?v=0kyDy9BuP3c</a>
23	Stiffness matrix for bar element	<a href="https://www.youtube.com/watch?v=eiX-uLMVwR4">https://www.youtube.com/watch?v=eiX-uLMVwR4</a>
24	Shape function	<a href="https://www.youtube.com/watch?v=2eWh6bRnNQ8">https://www.youtube.com/watch?v=2eWh6bRnNQ8</a>
25	Analysis of trusses Part 01	<a href="https://www.youtube.com/watch?v=f-hAQuOrhEw">https://www.youtube.com/watch?v=f-hAQuOrhEw</a>
26	Analysis of trusses Part 02	<a href="https://www.youtube.com/watch?v=SDBrB6D6XKA">https://www.youtube.com/watch?v=SDBrB6D6XKA</a>

27	2D CST element analysis	<a href="https://www.youtube.com/watch?v=wap9uYluY58">https://www.youtube.com/watch?v=wap9uYluY58</a>
<b>TOPIC:THERMODYNAMICS</b>		
28	Law of Thermodynamics	<a href="https://www.youtube.com/watch?v=P3ZzC4I9TP8">https://www.youtube.com/watch?v=P3ZzC4I9TP8</a>
29	Entropy Concept	<a href="https://www.youtube.com/watch?v=JELCi6UPzVg">https://www.youtube.com/watch?v=JELCi6UPzVg</a>
30	Properties of Pure Substance	<a href="https://www.youtube.com/watch?v=LKTElMvM9PQ">https://www.youtube.com/watch?v=LKTElMvM9PQ</a>
31	Rankine Cycle Part 01	<a href="https://www.youtube.com/watch?v=Vcg9BYSMXaE">https://www.youtube.com/watch?v=Vcg9BYSMXaE</a>
32	Rankine Cycle Part 02	<a href="https://www.youtube.com/watch?v=90dgzR9h1Ic">https://www.youtube.com/watch?v=90dgzR9h1Ic</a>
33	Adiabatic Process	<a href="https://www.youtube.com/watch?v=8JJfwym8N0">https://www.youtube.com/watch?v=8JJfwym8N0</a>
34	Heat Balance Sheet	<a href="https://www.youtube.com/watch?v=o7SLIK-7Bcw">https://www.youtube.com/watch?v=o7SLIK-7Bcw</a>
<b>TOPIC:FLUID MECHANICS</b>		
35	Bernoulli's Theorem	<a href="https://www.youtube.com/watch?v=GAA6CiVsoek">https://www.youtube.com/watch?v=GAA6CiVsoek</a>
36	Euler's Equation	<a href="https://www.youtube.com/watch?v=Y5Wo7xht-fQ">https://www.youtube.com/watch?v=Y5Wo7xht-fQ</a>
37	Buoyancy & Metacenter	<a href="https://www.youtube.com/watch?v=FOPG26wHWLw">https://www.youtube.com/watch?v=FOPG26wHWLw</a>
<b>TOPIC: GATE EXAM</b>		
38	GATE Question solved Paper 01	<a href="https://www.youtube.com/watch?v=YrK4t7bPAII">https://www.youtube.com/watch?v=YrK4t7bPAII</a>
39	GATE Question solved Paper 02	<a href="https://www.youtube.com/watch?v=Hc7_GtgfkEc">https://www.youtube.com/watch?v=Hc7_GtgfkEc</a>
<b>TOPIC: GATE COACHING</b>		
40	GATE Coaching	<a href="https://www.youtube.com/watch?v=gUpK1aiVr20&amp;t=1s">https://www.youtube.com/watch?v=gUpK1aiVr20&amp;t=1s</a>
41	GATE Coaching	<a href="https://www.youtube.com/watch?v=2HKet78b-80&amp;t=60s">https://www.youtube.com/watch?v=2HKet78b-80&amp;t=60s</a>
42	GATE Coaching	<a href="https://www.youtube.com/watch?v=aFL6u4_1wSA&amp;t=15s">https://www.youtube.com/watch?v=aFL6u4_1wSA&amp;t=15s</a>
43	GATE Coaching	<a href="https://www.youtube.com/watch?v=5htz6LFpfvo&amp;t=69s">https://www.youtube.com/watch?v=5htz6LFpfvo&amp;t=69s</a>
44	GATE Coaching	<a href="https://www.youtube.com/watch?v=kGIPIHkLkf8&amp;t=10s">https://www.youtube.com/watch?v=kGIPIHkLkf8&amp;t=10s</a>
45	GATE Coaching	<a href="https://www.youtube.com/watch?v=4TFy79jupkI&amp;t=7s">https://www.youtube.com/watch?v=4TFy79jupkI&amp;t=7s</a>
46	GATE Coaching	<a href="https://www.youtube.com/watch?v=3VvYZYZNYEU&amp;t=50s">https://www.youtube.com/watch?v=3VvYZYZNYEU&amp;t=50s</a>
47	GATE Coaching	<a href="https://www.youtube.com/watch?v=kGIPIHkLkf8&amp;t=10s">https://www.youtube.com/watch?v=kGIPIHkLkf8&amp;t=10s</a>