






**GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE**  
**Department of Mechanical Engineering**  
**GATE ONLINE CLASSES**


**GATE Lecture videos link & QR Code**

Total Registered Students: 376 from 11 colleges

Date	Faculty Name	Designation	Topic	Link	QR Code
1	Rakesh Gautam	APME	Engineering Mechanics: Prerequisite, Equilibrium	<a href="https://www.youtube.com/watch?v=yV0qhp6SCnQ">https://www.youtube.com/watch?v=yV0qhp6SCnQ</a>	
			Free Body Diagram	<a href="https://www.youtube.com/watch?v=P180-sB3oiQ&amp;t=45s">https://www.youtube.com/watch?v=P180-sB3oiQ&amp;t=45s</a>	
			Trusses And Friction	<a href="https://www.youtube.com/watch?v=lcSTCWhh9uA">https://www.youtube.com/watch?v=lcSTCWhh9uA</a>	
			First and Second Moment of Inertia, Virtual Work	<a href="https://www.youtube.com/watch?v=UQM3R3dsVrM&amp;t=2135s">https://www.youtube.com/watch?v=UQM3R3dsVrM&amp;t=2135s</a>	
			Plane motion and Work Energy, Impulse	<a href="https://www.youtube.com/watch?v=z_gnoLgUWeU&amp;t=2498s">https://www.youtube.com/watch?v=z_gnoLgUWeU&amp;t=2498s</a>	
			Engineering Mechanics Solved Problems	<a href="https://www.youtube.com/watch?v=7U6rb6HB4is">https://www.youtube.com/watch?v=7U6rb6HB4is</a>	
2	Th.R.Surendran	Machining and Machine tool operations	Metal cutting and Machining	<a href="https://youtu.be/S8So4Lm-PEU">https://youtu.be/S8So4Lm-PEU</a>	
			Metal cutting and Machining	<a href="https://youtu.be/4iChAgZTcnM">https://youtu.be/4iChAgZTcnM</a>	
			Machining operation Grinding Gear manufacturing	<a href="https://youtu.be/huwh-p-OHys">https://youtu.be/huwh-p-OHys</a>	
			Machining operation Jigs and Fixtures	<a href="https://youtu.be/9QP3rhBwg9A">https://youtu.be/9QP3rhBwg9A</a>	
			Metal cutting Theoretical concepts	<a href="https://youtu.be/xUAMScmiJY">https://youtu.be/xUAMScmiJY</a>	
			Metal machining Theoretical concepts	<a href="https://youtu.be/H8CQWqRnTtk">https://youtu.be/H8CQWqRnTtk</a>	
			Engineering Materials and Metallurgy Metal casting Metal welding	<a href="https://youtu.be/BAsjzDrxkQ">https://youtu.be/BAsjzDrxkQ</a>	
3	Dr.K.Ramesh	Power Engineering, IC Engines, Refrigeration and Air conditioning	INTERNAL COMBUSTION ENGINES – OTTO CYCLE & DIESEL CYCLE	<a href="https://www.youtube.com/watch?v=NIQe4luLhBo&amp;t=2734s">https://www.youtube.com/watch?v=NIQe4luLhBo&amp;t=2734s</a>	
			INTERNAL COMBUSTION ENGINES – DUAL CYCLE & PERFORMANCE OF ENGINES	<a href="https://www.youtube.com/watch?v=nOhIV1zkRR4&amp;t=824s">https://www.youtube.com/watch?v=nOhIV1zkRR4&amp;t=824s</a>	
			POWER ENGINEERING – SIMPLE GAS TURBINE	<a href="https://www.youtube.com/watch?v=GwEZGPo-0JU&amp;t=712s">https://www.youtube.com/watch?v=GwEZGPo-0JU&amp;t=712s</a>	
			POWER ENGINEERING – RANKING CYCLE	<a href="https://www.youtube.com/watch?v=neWKBychQnc&amp;t=1s">https://www.youtube.com/watch?v=neWKBychQnc&amp;t=1s</a>	

			POWER ENGINEERING – COMPRESSOR (Reciprocating, Rotary & Axial-flow)	<a href="https://www.youtube.com/watch?v=sHY9Ls6B1SQ&amp;t=6s">https://www.youtube.com/watch?v=sHY9Ls6B1SQ&amp;t=6s</a>	
4	Prof. S.Parimala Murugaveni	Vibration	MECHANICAL VIBRATIONS (Basics concepts & Problems)	<a href="https://www.youtube.com/watch?v=ezK9y2y4r3Y&amp;t=65s">https://www.youtube.com/watch?v=ezK9y2y4r3Y&amp;t=65s</a>	
			Harmonic Motion, Simple Harmonic motion	<a href="https://www.youtube.com/watch?v=-IP-LHZqFEc&amp;t=344s">https://www.youtube.com/watch?v=-IP-LHZqFEc&amp;t=344s</a>	
			Torque method & related problems using springs	<a href="https://www.youtube.com/watch?v=2a-yudAiYI8&amp;t=28s">https://www.youtube.com/watch?v=2a-yudAiYI8&amp;t=28s</a>	
5	Dr.N.Nandakumar	Machine Design	<u>Design for Welding</u>	<a href="https://drive.google.com/file/d/1utObVL5qKKtqXTEFK6QdrRhdpVLexL4O/view?usp=drivesdk">https://drive.google.com/file/d/1utObVL5qKKtqXTEFK6QdrRhdpVLexL4O/view?usp=drivesdk</a>	
			<u>Design for Welding</u>	<a href="https://drive.google.com/file/d/1utObVL5qKKtqXTEFK6QdrRhdpVLexL4O/view?usp=sharing">https://drive.google.com/file/d/1utObVL5qKKtqXTEFK6QdrRhdpVLexL4O/view?usp=sharing</a>	
			Machine Design	<a href="https://drive.google.com/file/d/11bSkEe9m-zn3isPledzBdWjA4PD7onok/view?usp=drivesdk">https://drive.google.com/file/d/11bSkEe9m-zn3isPledzBdWjA4PD7onok/view?usp=drivesdk</a>	
			<u>Rivets</u>	<a href="https://drive.google.com/file/d/1C06mGruOO5JEclvI8di02VBx7JrR4PY/view?usp=drivesdk">https://drive.google.com/file/d/1C06mGruOO5JEclvI8di02VBx7JrR4PY/view?usp=drivesdk</a>	
			<u>Shaft design</u>	<a href="https://drive.google.com/file/d/1I9t2lpVjRuhpJpgvS9nhzC2xqD-9x-XQ/view?usp=drivesdk">https://drive.google.com/file/d/1I9t2lpVjRuhpJpgvS9nhzC2xqD-9x-XQ/view?usp=drivesdk</a>	
6	Dr. S periyasami	Fluid Mechanics	Fluid Mechanics gate exam kinematics and differential	<a href="https://youtu.be/IWU9A4-Kwlg">https://youtu.be/IWU9A4-Kwlg</a>	
			Fluid Mechanics gate exam -model and turbine analysis	<a href="https://youtu.be/oNwEryIwGGg">https://youtu.be/oNwEryIwGGg</a>	
			Boundary layer	<a href="https://www.youtube.com/watch?v=iifa84_XuYo">https://www.youtube.com/watch?v=iifa84_XuYo</a>	
			Fluid statics	<a href="https://www.youtube.com/watch?v=viCQCIOp8CM">https://www.youtube.com/watch?v=viCQCIOp8CM</a>	
			Beurnouli equation	<a href="https://www.youtube.com/watch?v=nzQCcoLUHL2g">https://www.youtube.com/watch?v=nzQCcoLUHL2g</a>	
			momentum torque	<a href="https://www.youtube.com/watch?v=TKJfEICHsE">https://www.youtube.com/watch?v=TKJfEICHsE</a>	
7	Dr. Solai ayyappan	Industrial Engineering	Forecasting	<a href="https://youtu.be/QHA7h2fOppU">https://youtu.be/QHA7h2fOppU</a>	
			Forecasting	<a href="https://youtu.be/QHA7h2fOppU">https://youtu.be/QHA7h2fOppU</a>	
			Inventory	<a href="https://youtu.be/ExOglrjvPbg">https://youtu.be/ExOglrjvPbg</a>	
			Quantity Discounts	<a href="https://youtu.be/6HqcdzkAwOM">https://youtu.be/6HqcdzkAwOM</a>	

			Quantity Discounts	<a href="https://youtu.be/6HqcdzAwOM">https://youtu.be/6HqcdzAwOM</a>	
8	Dr. B Rajeswari	metrology and inspection	Part 1	<a href="https://www.youtube.com/watch?v=u1Gxwd2uTxI">https://www.youtube.com/watch?v=u1Gxwd2uTxI</a>	
			Part 2	<a href="https://youtu.be/EKwNyr9D5F0">https://youtu.be/EKwNyr9D5F0</a>	
			Part 3	<a href="https://www.youtube.com/watch?v=WuBHHHi8SG4&amp;t=2s">https://www.youtube.com/watch?v=WuBHHHi8SG4&amp;t=2s</a>	
			Part 4	<a href="https://www.youtube.com/watch?v=bRKJWpI7LnY&amp;t=4s">https://www.youtube.com/watch?v=bRKJWpI7LnY&amp;t=4s</a>	
			Part 5	<a href="https://www.youtube.com/watch?v=nOkyw-dzm5g&amp;t=1290s">https://www.youtube.com/watch?v=nOkyw-dzm5g&amp;t=1290s</a>	
9	Prof N Vadivel	Thermodynamics	Part 1	<a href="https://youtu.be/uyrLLXK_jYE">https://youtu.be/uyrLLXK_jYE</a>	
			Part 2	<a href="https://youtu.be/WLFkY8RjY8">https://youtu.be/WLFkY8RjY8</a>	
			Part 3	<a href="https://youtu.be/Zw1hiYB-GJQ">https://youtu.be/Zw1hiYB-GJQ</a>	
10	Dr. S usha	Theory of Machines	Part 1	<a href="https://drive.google.com/file/d/1iR2QCDJspFTlug-olsDMc3O6KI-ddUE/view">https://drive.google.com/file/d/1iR2QCDJspFTlug-olsDMc3O6KI-ddUE/view</a>	
			Gears	<a href="https://www.youtube.com/watch?v=4HHI_SiOIsU">https://www.youtube.com/watch?v=4HHI_SiOIsU</a>	
			Problems on Gear trains	<a href="https://youtu.be/PRZPfw4UK0">https://youtu.be/PRZPfw4UK0</a>	
11	Prof. Bradeesh Moo	Strength of Materials	stress and strain	<a href="https://www.youtube.com/watch?v=L0wutOdySNU&amp;t=133s">https://www.youtube.com/watch?v=L0wutOdySNU&amp;t=133s</a>	
			Plain stress and strain	<a href="https://www.youtube.com/watch?v=BZyU5K-werQ">https://www.youtube.com/watch?v=BZyU5K-werQ</a>	
			Shear force and bending moment diagram	<a href="https://youtu.be/nPzaCXeMMdc">https://youtu.be/nPzaCXeMMdc</a>	
			Deflection	<a href="https://www.youtube.com/watch?v=ao7W0vD7KLe">https://www.youtube.com/watch?v=ao7W0vD7KLe</a>	
			mohr circle	<a href="https://www.youtube.com/watch?v=prnGPR_IMG8&amp;t=121s">https://www.youtube.com/watch?v=prnGPR_IMG8&amp;t=121s</a>	
12	Prof Kulandaivel	Heat and Mass transfer	Conduction 1	<a href="https://youtu.be/RU0qm34kTc">https://youtu.be/RU0qm34kTc</a>	
			Conduction 2	<a href="https://youtu.be/nU9KeRfQe-A">https://youtu.be/nU9KeRfQe-A</a>	

			Convection	<a href="https://youtu.be/69TKrnJv2g0">https://youtu.be/69TKrnJv2g0</a>	
			Heat Exchangers	<a href="https://youtu.be/aa7jW8U9F1c">https://youtu.be/aa7jW8U9F1c</a>	
			Radiation	<a href="https://youtu.be/o116CKvAN4">https://youtu.be/o116CKvAN4</a>	
13	Dr. MS Aezhsai Valk	Manufacturing II	GATE CASTING PART 1	<a href="https://www.youtube.com/watch?v=CevOpJO7Km4&amp;t=3s">https://www.youtube.com/watch?v=CevOpJO7Km4&amp;t=3s</a>	
			GATE CASTING PART 2- Q & A	<a href="https://www.youtube.com/watch?v=3IN8TlhGoow&amp;t=2902s">https://www.youtube.com/watch?v=3IN8TlhGoow&amp;t=2902s</a>	
			GATE JOINING PROCESS PART 1	<a href="https://www.youtube.com/watch?v=PrXoZprFWEk">https://www.youtube.com/watch?v=PrXoZprFWEk</a>	
			GATE FORMING PROCESS PART 1	<a href="https://www.youtube.com/watch?v=-49hXITrPB0">https://www.youtube.com/watch?v=-49hXITrPB0</a>	
			ENGINEERING MATERIALS	<a href="https://www.youtube.com/watch?v=pAk9g9K3cLA">https://www.youtube.com/watch?v=pAk9g9K3cLA</a>	
14	Dr. Illamathi B	Operations Research	Linear programming	<a href="https://youtu.be/MFM88JVZn54">https://youtu.be/MFM88JVZn54</a>	
			Transportation Problem	<a href="https://youtu.be/jNimUJDU2w">https://youtu.be/jNimUJDU2w</a>	
			Network Flow Models	<a href="https://youtu.be/T2yTRyHKxFc">https://youtu.be/T2yTRyHKxFc</a>	
			PERT	<a href="https://youtu.be/AOIvIdLqSaQ">https://youtu.be/AOIvIdLqSaQ</a>	
			Simple queuing models	<a href="https://youtu.be/gOSGlue1V_Q">https://youtu.be/gOSGlue1V_Q</a>	