

INSTRUMENTATION AND CONTROL - 501				
Code	Course Title	Paper code	Topics	Links
501	INSTRUMENTATION AND CONTROL	501	Electronic Instrumentation System	<a href="https://www.youtube.com/watch?v=dP9qjYcEbVc">https://www.youtube.com/watch?v=dP9qjYcEbVc</a> <a href="https://www.youtube.com/watch?v=JZm0GHdaW-4">https://www.youtube.com/watch?v=JZm0GHdaW-4</a> <a href="https://www.youtube.com/watch?v=TPowbUhf0_Q">https://www.youtube.com/watch?v=TPowbUhf0_Q</a>
			Data Transmission & Telemetry	<a href="https://www.youtube.com/watch?v=gq7Vr4rreXE">https://www.youtube.com/watch?v=gq7Vr4rreXE</a> <a href="https://www.youtube.com/watch?v=XYxMEzDCmp8">https://www.youtube.com/watch?v=XYxMEzDCmp8</a> <a href="https://www.youtube.com/watch?v=mezO3Vcglko">https://www.youtube.com/watch?v=mezO3Vcglko</a> <a href="https://www.youtube.com/watch?v=HSHJXXFigz8">https://www.youtube.com/watch?v=HSHJXXFigz8</a>
			Displays & Recorders	<a href="https://www.youtube.com/watch?v=FAQ1iFS1QtY">https://www.youtube.com/watch?v=FAQ1iFS1QtY</a> <a href="https://www.youtube.com/watch?v=RmeycaMYHhc">https://www.youtube.com/watch?v=RmeycaMYHhc</a> <a href="https://www.youtube.com/watch?v=tPFI2_PdCYA">https://www.youtube.com/watch?v=tPFI2_PdCYA</a> <a href="https://www.youtube.com/watch?v=DoqorBJ1-38">https://www.youtube.com/watch?v=DoqorBJ1-38</a> <a href="https://www.youtube.com/watch?v=Kilgcoc7Wgg">https://www.youtube.com/watch?v=Kilgcoc7Wgg</a>
			Control System	<a href="https://www.youtube.com/watch?v=zZU2GPdD9zs">https://www.youtube.com/watch?v=zZU2GPdD9zs</a> <a href="https://www.youtube.com/watch?v=e2p3VTfeAe8">https://www.youtube.com/watch?v=e2p3VTfeAe8</a> <a href="https://www.youtube.com/watch?v=ZAoIhtZsRX8">https://www.youtube.com/watch?v=ZAoIhtZsRX8</a> <a href="https://www.youtube.com/watch?v=BwOPhQOYL3Q">https://www.youtube.com/watch?v=BwOPhQOYL3Q</a>
			Time Domain Analysis	<a href="https://www.youtube.com/watch?v=Jlz_C-0O5m8">https://www.youtube.com/watch?v=Jlz_C-0O5m8</a> <a href="https://www.youtube.com/watch?v=J9Dsnj0-n8">https://www.youtube.com/watch?v=J9Dsnj0-n8</a> <a href="https://www.youtube.com/watch?v=BBGGQg-u_kY">https://www.youtube.com/watch?v=BBGGQg-u_kY</a>
			Root Locus Technique	<a href="https://www.youtube.com/watch?v=hoSsTBbHghc">https://www.youtube.com/watch?v=hoSsTBbHghc</a>  <a href="https://www.youtube.com/watch?v=o3bRqh4IICA">https://www.youtube.com/watch?v=o3bRqh4IICA</a>
			Frequency Domain Analysis	<a href="https://www.youtube.com/watch?v=oB60sJLcEI0">https://www.youtube.com/watch?v=oB60sJLcEI0</a> <a href="https://www.youtube.com/watch?v=8j7YKugmae4">https://www.youtube.com/watch?v=8j7YKugmae4</a> <a href="https://www.youtube.com/watch?v=EOpC24fK5Fc">https://www.youtube.com/watch?v=EOpC24fK5Fc</a>

**DATA COMMUNICATION AND NETWORKS - 502**

Code	Course Title	Paper code	Topics	Links
502	DATA COMMUNICATION AND NETWORKS		Introduction to Data Communication	<a href="https://www.youtube.com/watch?v=ElztVC3vsz0">https://www.youtube.com/watch?v=ElztVC3vsz0</a> <a href="https://www.youtube.com/watch?v=nACnUiH7J6g">https://www.youtube.com/watch?v=nACnUiH7J6g</a> <a href="https://www.youtube.com/watch?v=6CyXtvOfm4g">https://www.youtube.com/watch?v=6CyXtvOfm4g</a> <a href="https://www.youtube.com/watch?v=EkQaR6B3FSs">https://www.youtube.com/watch?v=EkQaR6B3FSs</a> <a href="https://www.youtube.com/watch?v=JfWMR-QluM">https://www.youtube.com/watch?v=JfWMR-QluM</a> <a href="https://www.youtube.com/watch?v=-HFZiHiz7aM">https://www.youtube.com/watch?v=-HFZiHiz7aM</a>
			Hardware & Interface	<a href="https://www.youtube.com/watch?v=15BoMI1pSgk">https://www.youtube.com/watch?v=15BoMI1pSgk</a> <a href="https://www.youtube.com/watch?v=nTDAXs9jiGAv">https://www.youtube.com/watch?v=nTDAXs9jiGAv</a> <a href="https://www.youtube.com/watch?v=eo9dbnrpspM">https://www.youtube.com/watch?v=eo9dbnrpspM</a> <a href="https://www.youtube.com/watch?v=5fu-SZQ9rCQ">https://www.youtube.com/watch?v=5fu-SZQ9rCQ</a>
			Introduction to Networks	<a href="https://www.youtube.com/watch?v=IY8bv9D81LE">https://www.youtube.com/watch?v=IY8bv9D81LE</a> <a href="https://www.youtube.com/watch?v=LN1NIN5Q3YI">https://www.youtube.com/watch?v=LN1NIN5Q3YI</a> <a href="https://www.youtube.com/watch?v=cFd1PjKEZM0">https://www.youtube.com/watch?v=cFd1PjKEZM0</a> <a href="https://www.youtube.com/watch?v=1-8RZ8pPWF8">https://www.youtube.com/watch?v=1-8RZ8pPWF8</a> <a href="https://www.youtube.com/watch?v=LASU3J1hE0Y">https://www.youtube.com/watch?v=LASU3J1hE0Y</a>
			Local Area Network	<a href="https://www.youtube.com/watch?v=ngGe5rDNcR8">https://www.youtube.com/watch?v=ngGe5rDNcR8</a> <a href="https://www.youtube.com/watch?v=RUtDk6y8Jn0">https://www.youtube.com/watch?v=RUtDk6y8Jn0</a> <a href="https://www.youtube.com/watch?v=HkHnPW-xmyw">https://www.youtube.com/watch?v=HkHnPW-xmyw</a> <a href="https://www.youtube.com/watch?v=UrpBEVqSU68">https://www.youtube.com/watch?v=UrpBEVqSU68</a>
			Intranet working	<a href="https://www.youtube.com/watch?v=3vLSOzAflpA">https://www.youtube.com/watch?v=3vLSOzAflpA</a> <a href="https://www.youtube.com/watch?v=o9uhPV84C6A">https://www.youtube.com/watch?v=o9uhPV84C6A</a> <a href="https://www.youtube.com/watch?v=Ea2QVS3mmO4">https://www.youtube.com/watch?v=Ea2QVS3mmO4</a> <a href="https://www.youtube.com/watch?v=_ISu9f8ofZk">https://www.youtube.com/watch?v=_ISu9f8ofZk</a> <a href="https://www.youtube.com/watch?v=1aEL4kZJbvs">https://www.youtube.com/watch?v=1aEL4kZJbvs</a> <a href="https://www.youtube.com/watch?v=M4vITnt-90A">https://www.youtube.com/watch?v=M4vITnt-90A</a>

INDUSTRIAL ELECTRONICS - 503				
Code	Course Title	Paper code	Topics	Links
503	INDUSTRIAL ELECTRONICS		Review of characteristics of power electronics devices power diode, SCR, TRIAC, DIAC, UJT & Power Transistors	<a href="https://www.youtube.com/watch?v=6iQhPJ_rDxk">https://www.youtube.com/watch?v=6iQhPJ_rDxk</a> <a href="https://www.youtube.com/watch?v=CFonDZVRdAc">https://www.youtube.com/watch?v=CFonDZVRdAc</a> <a href="https://www.youtube.com/watch?v=X_7AdwJ2U1w">https://www.youtube.com/watch?v=X_7AdwJ2U1w</a>
			Single phase & three phase rectifier	<a href="https://www.youtube.com/watch?v=MH6EOApe5FM">https://www.youtube.com/watch?v=MH6EOApe5FM</a> <a href="https://www.youtube.com/watch?v=4AvMvm1jyPg">https://www.youtube.com/watch?v=4AvMvm1jyPg</a> <a href="https://www.youtube.com/watch?v=ckajfi4lpGs">https://www.youtube.com/watch?v=ckajfi4lpGs</a>
			Triggering Circuits	<a href="https://www.youtube.com/watch?v=RIPdA-QKB54">https://www.youtube.com/watch?v=RIPdA-QKB54</a> <a href="https://www.youtube.com/watch?v=0UPF3Nr-uFY">https://www.youtube.com/watch?v=0UPF3Nr-uFY</a>
			Inverter & Chopper	<a href="https://www.youtube.com/watch?v=4xG82BydMqQ">https://www.youtube.com/watch?v=4xG82BydMqQ</a> <a href="https://www.youtube.com/watch?v=6Q0t0iQINw4">https://www.youtube.com/watch?v=6Q0t0iQINw4</a>
			Simple Speed Control methods of DC & AC Motors	<a href="https://www.youtube.com/watch?v=oW31bNJxbkU">https://www.youtube.com/watch?v=oW31bNJxbkU</a> <a href="https://www.youtube.com/watch?v=sF88DdDCrRA">https://www.youtube.com/watch?v=sF88DdDCrRA</a> <a href="https://www.youtube.com/watch?v=3gmtb7t_AUK">https://www.youtube.com/watch?v=3gmtb7t_AUK</a> <a href="https://www.youtube.com/watch?v=qXkqoHTFnrU">https://www.youtube.com/watch?v=qXkqoHTFnrU</a>
			Miscellaneous application of Power Electronics	<a href="https://www.youtube.com/watch?v=EQulZi7exuE">https://www.youtube.com/watch?v=EQulZi7exuE</a> <a href="https://www.youtube.com/watch?v=Vf3LnLNI_eo">https://www.youtube.com/watch?v=Vf3LnLNI_eo</a>

**ANTENNA AND MICROWAVE ENGINEERING - 504**

Code	Course Title	Paper code	Topics	Links
504	<b>ANTENNA AND MICROWAVE ENGINEERING</b>	504	Wave Propagation	<a href="https://www.youtube.com/watch?v=m2VXySvlXT0">https://www.youtube.com/watch?v=m2VXySvlXT0</a> <a href="https://www.youtube.com/watch?v=tJBVTwoojCQ">https://www.youtube.com/watch?v=tJBVTwoojCQ</a> <a href="https://www.youtube.com/watch?v=mlIMYGxgi8EY">https://www.youtube.com/watch?v=mlIMYGxgi8EY</a> <a href="https://www.youtube.com/watch?v=voh5UcC5wVM">https://www.youtube.com/watch?v=voh5UcC5wVM</a> <a href="https://www.youtube.com/watch?v=6YIP6eNFpqq">https://www.youtube.com/watch?v=6YIP6eNFpqq</a> <a href="https://www.youtube.com/watch?v=V4zuFsME6pg">https://www.youtube.com/watch?v=V4zuFsME6pg</a>
			Transmission lines & their characteristics	<a href="https://www.youtube.com/watch?v=sG8F4oGpf54">https://www.youtube.com/watch?v=sG8F4oGpf54</a> <a href="https://www.youtube.com/watch?v=lr1jgbR5ca8">https://www.youtube.com/watch?v=lr1jgbR5ca8</a> <a href="https://www.youtube.com/watch?v=-_gSPAf5Abs">https://www.youtube.com/watch?v=-_gSPAf5Abs</a> <a href="https://www.youtube.com/watch?v=N7jWWL3Z2LE">https://www.youtube.com/watch?v=N7jWWL3Z2LE</a> <a href="https://www.youtube.com/watch?v=UzhhX0LSxp8">https://www.youtube.com/watch?v=UzhhX0LSxp8</a>
			Waveguides & components	<a href="https://www.youtube.com/watch?v=pMS0yWd7pR0">https://www.youtube.com/watch?v=pMS0yWd7pR0</a> <a href="https://www.youtube.com/watch?v=uXdbxNC9u7I">https://www.youtube.com/watch?v=uXdbxNC9u7I</a> <a href="https://www.youtube.com/watch?v=yW8QUzt78tl">https://www.youtube.com/watch?v=yW8QUzt78tl</a>
			Microwave devices	<a href="https://www.youtube.com/watch?v=hN_S9USuGxl">https://www.youtube.com/watch?v=hN_S9USuGxl</a> <a href="https://www.youtube.com/watch?v=xgfg-qAS-4M">https://www.youtube.com/watch?v=xgfg-qAS-4M</a> <a href="https://www.youtube.com/watch?v=LI5VyJjHDyA">https://www.youtube.com/watch?v=LI5VyJjHDyA</a> <a href="https://www.youtube.com/watch?v=5Ab1ZXcEwRg">https://www.youtube.com/watch?v=5Ab1ZXcEwRg</a> <a href="https://www.youtube.com/watch?v=yPpreB0_6cA">https://www.youtube.com/watch?v=yPpreB0_6cA</a> <a href="https://www.youtube.com/watch?v=LRn4AHs7Fr8">https://www.youtube.com/watch?v=LRn4AHs7Fr8</a>
			Antenna Fundamentals	<a href="https://www.youtube.com/watch?v=skslig4qiWs">https://www.youtube.com/watch?v=skslig4qiWs</a> <a href="https://www.youtube.com/watch?v=YTYLK-HwPFc">https://www.youtube.com/watch?v=YTYLK-HwPFc</a> <a href="https://www.youtube.com/watch?v=wGhwgMB0VqQ">https://www.youtube.com/watch?v=wGhwgMB0VqQ</a>
			Type of Antenna & their Use	<a href="https://www.youtube.com/watch?v=fw8nZezyenA">https://www.youtube.com/watch?v=fw8nZezyenA</a> <a href="https://www.youtube.com/watch?v=fw8nZezyenA">https://www.youtube.com/watch?v=fw8nZezyenA</a> <a href="https://www.youtube.com/watch?v=Gmop_VopS9M">https://www.youtube.com/watch?v=Gmop_VopS9M</a> <a href="https://www.youtube.com/watch?v=la6OnrqBeP8">https://www.youtube.com/watch?v=la6OnrqBeP8</a> <a href="https://www.youtube.com/watch?v=6BWqAtOWNvA">https://www.youtube.com/watch?v=6BWqAtOWNvA</a>