

CONSUMER ELECTRONICS - 601					
Code	Course Title	Paper code	Topics	SUB Topics	Links
<b>601</b>	<b>CONSUMER ELECTRONICS</b>	<b>6213 UNIT 1</b>	<b>Audio Technology</b>	Principle & working of microphone	<a href="https://www.youtube.com/watch?v=QdZOe8e3gh4">https://www.youtube.com/watch?v=QdZOe8e3gh4</a>
				Types of microphone and their application	<a href="https://www.youtube.com/watch?v=MACpIFB1Gpg&amp;list=PLLwtOZNd9SgN9BMWQR9uavNnVV_5uij4J">https://www.youtube.com/watch?v=MACpIFB1Gpg&amp;list=PLLwtOZNd9SgN9BMWQR9uavNnVV_5uij4J</a>
				Principle & working of speakers	<a href="http://www.rgcetpdy.ac.in/Notes/ECE/III%20YEAR/E%20E52-%20CE/Unit%201.pdf">http://www.rgcetpdy.ac.in/Notes/ECE/III%20YEAR/E%20E52-%20CE/Unit%201.pdf</a>
				types of speakers: PMMC	<a href="http://www.rgcetpdy.ac.in/Notes/ECE/III%20YEAR/E%20E52-%20CE/Unit%201.pdf">http://www.rgcetpdy.ac.in/Notes/ECE/III%20YEAR/E%20E52-%20CE/Unit%201.pdf</a>
				Frequency response of speaker	<a href="http://www.rgcetpdy.ac.in/Notes/ECE/III%20YEAR/E%20E52-%20CE/Unit%201.pdf">http://www.rgcetpdy.ac.in/Notes/ECE/III%20YEAR/E%20E52-%20CE/Unit%201.pdf</a>
				Audio amplifier	<a href="https://www.youtube.com/watch?v=uOy2Zr_kKIM&amp;list=PL4CoDG0lqyYIMRXkybBBC8PcMb_w3XFC0&amp;index=686">https://www.youtube.com/watch?v=uOy2Zr_kKIM&amp;list=PL4CoDG0lqyYIMRXkybBBC8PcMb_w3XFC0&amp;index=686</a>
			<b>Broad Casting Receiver</b>	application of audio amplifiers: PA system	<a href="https://www.youtube.com/watch?v=td20ReqNOds">https://www.youtube.com/watch?v=td20ReqNOds</a>
				AM Receiver: Explain- - TRF	<a href="https://www.youtube.com/watch?v=ysbBUpMaDEM">https://www.youtube.com/watch?v=ysbBUpMaDEM</a> <a href="https://www.youtube.com/watch?v=XqjWq7kuBHI">https://www.youtube.com/watch?v=XqjWq7kuBHI</a>
				super heterodyne	<a href="https://www.youtube.com/watch?v=qAteihkXnP">https://www.youtube.com/watch?v=qAteihkXnP</a>
				Double heterodyne	<a href="https://www.electronics-notes.com/articles/radio/superheterodyne-receiver/double-triple-dual-multiple-conversion.php">https://www.electronics-notes.com/articles/radio/superheterodyne-receiver/double-triple-dual-multiple-conversion.php</a>
				FM Receiver: Ratio Detector	<a href="https://www.youtube.com/watch?v=dGH4coyKaLk">https://www.youtube.com/watch?v=dGH4coyKaLk</a>
				Foster seeley phase discriminator	<a href="https://www.youtube.com/watch?v=fPZ2hdxdlwU">https://www.youtube.com/watch?v=fPZ2hdxdlwU</a>
				FM Channels	<a href="https://www.youtube.com/watch?v=A-JbmMDpZVs">https://www.youtube.com/watch?v=A-JbmMDpZVs</a>
				Qualities of receivers	<a href="https://www.youtube.com/watch?v=ysbBUpMaDEM">https://www.youtube.com/watch?v=ysbBUpMaDEM</a>

			<b>TV Technology</b>		
			Principles of Television:	<a href="https://www.britannica.com/technology/television-technology/Principles-of-television-systems">https://www.britannica.com/technology/television-technology/Principles-of-television-systems</a> , <a href="https://www.youtube.com/watch?v=9ZNO1aTlzw">https://www.youtube.com/watch?v=9ZNO1aTlzw</a>	
			TV standards	<a href="https://computerhindinotes.com/broadcast-video-standards/">https://computerhindinotes.com/broadcast-video-standards/</a>	
			Scanning	<a href="https://www.youtube.com/watch?v=BJVmV2yQezw">https://www.youtube.com/watch?v=BJVmV2yQezw</a>	
			Video Bandwidth	<a href="https://www.youtube.com/watch?v=9CqOFhmyYhc">https://www.youtube.com/watch?v=9CqOFhmyYhc</a>	
			Modulation techniques	<a href="https://www.youtube.com/watch?v=WmPRMFqT8Uw">https://www.youtube.com/watch?v=WmPRMFqT8Uw</a>	
			Channel allocation	<a href="https://www.youtube.com/watch?v=DTlLFZhNnqk">https://www.youtube.com/watch?v=DTlLFZhNnqk</a>	
			Composite Video signal	<a href="https://www.youtube.com/watch?v=M3li9xkfnF4">https://www.youtube.com/watch?v=M3li9xkfnF4</a>	
			TV Camera – Principle & working of Vidicon TV Camera.	<a href="https://www.youtube.com/watch?v=rWHR_1UscYY">https://www.youtube.com/watch?v=rWHR_1UscYY</a> <a href="https://www.youtube.com/watch?v=aFWwiP9phz8">https://www.youtube.com/watch?v=aFWwiP9phz8</a>	
			TV Receiver – block diagram and working of B&W receiver and PAL Receiver	<a href="https://www.youtube.com/watch?v=RtFyKdYtamI">https://www.youtube.com/watch?v=RtFyKdYtamI</a> <a href="https://www.youtube.com/watch?v=VPN9I9afZsl">https://www.youtube.com/watch?v=VPN9I9afZsl</a> <a href="https://www.youtube.com/watch?v=GVJxbYktvjk">https://www.youtube.com/watch?v=GVJxbYktvjk</a>	
			Display Technologies: - CRT Monitor	<a href="https://www.youtube.com/watch?v=P2_fPhAjcNE">https://www.youtube.com/watch?v=P2_fPhAjcNE</a> <a href="https://www.youtube.com/watch?v=S3yPVUxUMgI">https://www.youtube.com/watch?v=S3yPVUxUMgI</a>	
			LCD Monitor	<a href="https://www.youtube.com/watch?v=qE-4vmchq9c">https://www.youtube.com/watch?v=qE-4vmchq9c</a>	
			PLASMA monitor	<a href="https://www.youtube.com/watch?v=18Fd5f8oJbY">https://www.youtube.com/watch?v=18Fd5f8oJbY</a>	
			<b>Media Players</b>		
			Block Diagram of Players: - Audio CD Players	<a href="https://oseven.in/files/58c2c9d809c67.pdf">https://oseven.in/files/58c2c9d809c67.pdf</a> <a href="https://www.youtube.com/watch?v=a6xs7D5Zcuc">https://www.youtube.com/watch?v=a6xs7D5Zcuc</a>	
			Video CD Players	<a href="https://oseven.in/files/58c2c9d809c67.pdf">https://oseven.in/files/58c2c9d809c67.pdf</a> <a href="https://www.youtube.com/watch?v=a73b4j00CPU">https://www.youtube.com/watch?v=a73b4j00CPU</a>	
			DVD Players	<a href="https://oseven.in/files/58c2c9d809c67.pdf">https://oseven.in/files/58c2c9d809c67.pdf</a>	
			Introduction to Blue	<a href="https://oseven.in/files/58c2c9d809c67.pdf">https://oseven.in/files/58c2c9d809c67.pdf</a>	

			Ray disc player, HD DVD	<a href="https://www.youtube.com/watch?v=NcJt1GNTqvM">https://www.youtube.com/watch?v=NcJt1GNTqvM</a>
<b>Multimedia</b>				
			Introduction to multimedia,	<a href="https://www.youtube.com/watch?v=GxY7uIDUwXQ">https://www.youtube.com/watch?v=GxY7uIDUwXQ</a> <a href="https://www.youtube.com/watch?v=BrUpUt0G-A">https://www.youtube.com/watch?v=BrUpUt0G-A</a>
			Different audio and video formats related to multimedia	<a href="https://www.youtube.com/watch?v=GxY7uIDUwXQ">https://www.youtube.com/watch?v=GxY7uIDUwXQ</a> <a href="https://www.youtube.com/watch?v=L5kIgoNK25o">https://www.youtube.com/watch?v=L5kIgoNK25o</a> <a href="https://www.youtube.com/watch?v=NPQW-UwR6vQ">https://www.youtube.com/watch?v=NPQW-UwR6vQ</a>
			MPEG1, MPEG2, MPEG3, MPEG4,	<a href="https://www.youtube.com/watch?v=F0ZinF-gTrY">https://www.youtube.com/watch?v=F0ZinF-gTrY</a>
			Multimedia editing tools- Movie Maker, Nero wave Editor.	<a href="https://www.youtube.com/watch?v=bpLDiTixjKE">https://www.youtube.com/watch?v=bpLDiTixjKE</a> <a href="http://ftp6.nero.com/user_guides/nero6/waveeditor/NeroWaveEditor_Eng.pdf">http://ftp6.nero.com/user_guides/nero6/waveeditor/NeroWaveEditor_Eng.pdf</a>
			Application of multimedia in education, entertainment, advertisement, research.	<a href="https://www.youtube.com/watch?v=TYMwb5wkzKI">https://www.youtube.com/watch?v=TYMwb5wkzKI</a>
			PROJECTORS : - DLP Projector	<a href="https://hindime.net/projector-kya-hai-hindi/">https://hindime.net/projector-kya-hai-hindi/</a>
			LCD Projector	<a href="https://hindime.net/projector-kya-hai-hindi/">https://hindime.net/projector-kya-hai-hindi/</a>
			LED Projector	<a href="https://hindime.net/projector-kya-hai-hindi/">https://hindime.net/projector-kya-hai-hindi/</a>
		<b>Security &amp; Safety System:</b>		
			Burglar's alarm	<a href="https://ipvm.com/reports/burglar-alarm-systems">https://ipvm.com/reports/burglar-alarm-systems</a>
			Video door phone	<a href="https://en.wikipedia.org/wiki/Video_door-phone">https://en.wikipedia.org/wiki/Video_door-phone</a>
			CCTV	<a href="https://www.youtube.com/watch?v=8OBGwexauzQ">https://www.youtube.com/watch?v=8OBGwexauzQ</a>
			Electronic combination locks	<a href="https://www.vssut.ac.in/lecture_notes/lecture1423183198.pdf">https://www.vssut.ac.in/lecture_notes/lecture1423183198.pdf</a>

ADVANCED COMMUNICATION - 602					
Code	Course Title	Paper code	Topics	SUB Topics	Links
<b>602</b>	<b>ADVANCED COMMUNICATION</b>	<b>6214</b>	<b>Optical fiber communication</b>		
				Light propagation through optical fiber:	<a href="https://www.youtube.com/watch?v=diRAX4wLV4g">https://www.youtube.com/watch?v=diRAX4wLV4g</a> <a href="https://www.youtube.com/watch?v=G-UyeFDsXII">https://www.youtube.com/watch?v=G-UyeFDsXII</a>
				Attenuation in optical fiber	<a href="https://www.youtube.com/watch?v=diRAX4wLV4g">https://www.youtube.com/watch?v=diRAX4wLV4g</a>
				Dispersion:	<a href="https://www.youtube.com/watch?v=diRAX4wLV4g">https://www.youtube.com/watch?v=diRAX4wLV4g</a>
				Types of fibers:	<a href="https://www.youtube.com/watch?v=diRAX4wLV4g">https://www.youtube.com/watch?v=diRAX4wLV4g</a>
				Structure of Fiber optics cables	<a href="https://www.youtube.com/watch?v=diRAX4wLV4g">https://www.youtube.com/watch?v=diRAX4wLV4g</a>
				Optical Communication system: block diagram	<a href="https://www.youtube.com/watch?v=diRAX4wLV4g">https://www.youtube.com/watch?v=diRAX4wLV4g</a> <a href="https://www.youtube.com/watch?v=q6_q2IBm93o">https://www.youtube.com/watch?v=q6_q2IBm93o</a>
				Light source: LED and Laser Diode	<a href="https://www.youtube.com/watch?v=eWu6yWhMYeE">https://www.youtube.com/watch?v=eWu6yWhMYeE</a>
				Detectors: PIN photodiode and Avalanche photodiode	<a href="https://www.youtube.com/watch?v=lg1AKT8hp3E">https://www.youtube.com/watch?v=lg1AKT8hp3E</a>
				Specification criteria in selection of transmitter & receiver	<a href="https://www.youtube.com/watch?v=diRAX4wLV4g">https://www.youtube.com/watch?v=diRAX4wLV4g</a> <a href="https://www.youtube.com/watch?v=FE98-ObyelA">https://www.youtube.com/watch?v=FE98-ObyelA</a>
				Tool for Installation and maintenance: Application of: Optical power meter, OTDR, Fusion Splicing Machine	<a href="https://www.youtube.com/watch?v=RUHMoTRz8">https://www.youtube.com/watch?v=RUHMoTRz8</a> <a href="https://www.youtube.com/watch?v=sskhg3y3rr0">https://www.youtube.com/watch?v=sskhg3y3rr0</a>
			<b>Cellular</b>		

		<b>Communication</b>	The Cellular Concept	<a href="https://www.youtube.com/watch?v=wqj2op3pFag">https://www.youtube.com/watch?v=wqj2op3pFag</a>
			Frequency bands and cellular coverage	<a href="https://www.youtube.com/watch?v=45ih0wHytxs">https://www.youtube.com/watch?v=45ih0wHytxs</a> <a href="https://www.youtube.com/watch?v=45rY5tNZ_Gc">https://www.youtube.com/watch?v=45rY5tNZ_Gc</a>
			Geometry of a cell: Cell size and Number of possible users	<a href="https://www.youtube.com/watch?v=tt1-Ohe9QQU">https://www.youtube.com/watch?v=tt1-Ohe9QQU</a>
			Frequency reuse and hand-off	<a href="https://www.youtube.com/watch?v=CJSztdNjZ_M">https://www.youtube.com/watch?v=CJSztdNjZ_M</a>
			Cellular system implementation	<a href="https://www.youtube.com/watch?v=KG0diSSIVd0">https://www.youtube.com/watch?v=KG0diSSIVd0</a>
			Access technology- FDMA, TDMA & CDMA, comparison	<a href="https://www.youtube.com/watch?v=UAKok0wg1p8">https://www.youtube.com/watch?v=UAKok0wg1p8</a>
			GSM Services- speech, group call and related services, general packet radio service (GPRS), short message services (SMS)	<a href="https://www.youtube.com/watch?v=cunY_lzkg2c">https://www.youtube.com/watch?v=cunY_lzkg2c</a> <a href="https://www.youtube.com/watch?v=21I3PK0Ps4U">https://www.youtube.com/watch?v=21I3PK0Ps4U</a> <a href="https://www.youtube.com/watch?v=4GE7AFzKz2g">https://www.youtube.com/watch?v=4GE7AFzKz2g</a>
			CDMA based digital cellular system, spread spectrum modulation, frequency hopping	<a href="https://www.youtube.com/watch?v=omEJygDEizU">https://www.youtube.com/watch?v=omEJygDEizU</a>
			Features of Third generation cellular service	<a href="https://www.youtube.com/watch?v=WMeC_JfiHfM">https://www.youtube.com/watch?v=WMeC_JfiHfM</a>

			<b>Satellite Communication</b>	advantages and disadvantages of Satellite system	<a href="https://www.youtube.com/watch?v=DEvpLCQ3i3Q">https://www.youtube.com/watch?v=DEvpLCQ3i3Q</a>
				Frequency bands, Uplink and Downlink frequencies	<a href="https://www.youtube.com/watch?v=RpccrnoHJvk">https://www.youtube.com/watch?v=RpccrnoHJvk</a>
				Satellite basics- Orbit, Altitude, footprint	<a href="https://www.youtube.com/watch?v=GpHMdjiX0c0">https://www.youtube.com/watch?v=GpHMdjiX0c0</a>
				Low orbit regional satellites, Geostationary satellite	<a href="https://www.youtube.com/watch?v=dW0l39uL4LU">https://www.youtube.com/watch?v=dW0l39uL4LU</a>
				Satellite system link model- uplink, transponder, downlink, cross link	<a href="https://www.youtube.com/watch?v=xqiTZkoaj5w">https://www.youtube.com/watch?v=xqiTZkoaj5w</a>
				Block diagram of Satellite Earth station	<a href="https://www.youtube.com/watch?v=DEvpLCQ3i3Q">https://www.youtube.com/watch?v=DEvpLCQ3i3Q</a>
				Block diagram of Satellite and communication transponder	<a href="https://www.youtube.com/watch?v=DEvpLCQ3i3Q">https://www.youtube.com/watch?v=DEvpLCQ3i3Q</a> <a href="https://www.tutorialspoint.com/satellite_communication/satellite_communication_transponders.htm">https://www.tutorialspoint.com/satellite_communication/satellite_communication_transponders.htm</a>
				Satellite multiple access- FDMA, TDMA & CDMA	<a href="https://www.youtube.com/watch?v=4F_613NKUo4">https://www.youtube.com/watch?v=4F_613NKUo4</a>
				TV channel reception via Satellite	<a href="https://www.youtube.com/watch?v=a-Ul24Dp-No">https://www.youtube.com/watch?v=a-Ul24Dp-No</a> <a href="https://www.youtube.com/watch?v=yPFAho3tai8">https://www.youtube.com/watch?v=yPFAho3tai8</a>
				Global Positioning System (GPS) and GPS Navigation	<a href="https://www.youtube.com/watch?v=7PrOjvTsIOM">https://www.youtube.com/watch?v=7PrOjvTsIOM</a>

				basics	
				Direct to home (DTH) basics	<a href="https://www.circuitstoday.com/direct-to-home-dth-technology-%E2%80%93-working">https://www.circuitstoday.com/direct-to-home-dth-technology-%E2%80%93-working</a>  <a href="http://www.intelsat.com/wp-content/uploads/2016/03/Intelsat-DTH-5457-wp.pdf">http://www.intelsat.com/wp-content/uploads/2016/03/Intelsat-DTH-5457-wp.pdf</a>
			<b>RADAR</b>		
				Basic RADAR system and applications	<a href="https://www.youtube.com/watch?v=bXcY5Kjz8Hw">https://www.youtube.com/watch?v=bXcY5Kjz8Hw</a> <a href="https://www.youtube.com/watch?v=baAyZ8Nbvx4">https://www.youtube.com/watch?v=baAyZ8Nbvx4</a>
				Frequencies and Powers used in RADAR	<a href="https://www.youtube.com/watch?v=-QSVS99jD3g">https://www.youtube.com/watch?v=-QSVS99jD3g</a> <a href="https://www.youtube.com/watch?v=V1Z6vwRpJRq">https://www.youtube.com/watch?v=V1Z6vwRpJRq</a>
				Definition of Range, pulse width, PRF, duty cycle	<a href="https://www.youtube.com/watch?v=bjOPaE3hmSE">https://www.youtube.com/watch?v=bjOPaE3hmSE</a> <a href="https://www.youtube.com/watch?v=-QSVS99jD3g">https://www.youtube.com/watch?v=-QSVS99jD3g</a>
				RADAR Range equation and factors that affect Range	<a href="https://www.youtube.com/watch?v=PQlolQH6TNU">https://www.youtube.com/watch?v=PQlolQH6TNU</a> <a href="https://www.youtube.com/watch?v=bjOPaE3hmSE">https://www.youtube.com/watch?v=bjOPaE3hmSE</a> <a href="https://www.youtube.com/watch?v=yods7qyHU0s">https://www.youtube.com/watch?v=yods7qyHU0s</a>
				Scanning methods, Search and Track RADAR system	<a href="https://www.youtube.com/watch?v=8otb-KH9iLw">https://www.youtube.com/watch?v=8otb-KH9iLw</a> <a href="https://www.youtube.com/watch?v=tAiBIV9MC3Q">https://www.youtube.com/watch?v=tAiBIV9MC3Q</a>
				Display method: PPI	<a href="https://www.youtube.com/watch?v=pXkjVXWw50Q">https://www.youtube.com/watch?v=pXkjVXWw50Q</a>
				Basic pulsed RADAR system	<a href="https://www.youtube.com/watch?v=0rRnxTO3L9s">https://www.youtube.com/watch?v=0rRnxTO3L9s</a>
				MTI and CW Doppler RADAR	<a href="https://www.youtube.com/watch?v=Xwo1qdzwAgk">https://www.youtube.com/watch?v=Xwo1qdzwAgk</a>
			<b>Emerging Trends in Technology</b>	Bluetooth Technology: - Introduction	<a href="https://www.youtube.com/watch?v=JAxCbTRsKsQ">https://www.youtube.com/watch?v=JAxCbTRsKsQ</a>
				Bluetooth Technology	<a href="https://www.youtube.com/watch?v=Ow6N44G_pdY">https://www.youtube.com/watch?v=Ow6N44G_pdY</a>

				Standards - Services - applications	
				Introduction to IP TV	<a href="https://www.youtube.com/watch?v=u0X36XpZ-G8">https://www.youtube.com/watch?v=u0X36XpZ-G8</a> <a href="https://www.youtube.com/watch?v=8r-gULVqYIE">https://www.youtube.com/watch?v=8r-gULVqYIE</a>
				iPhone	
				Introduction to WAP, EDGE, HSPDA, OTA, VOIP	<a href="https://www.youtube.com/watch?v=ZEtram_B920">https://www.youtube.com/watch?v=ZEtram_B920</a> <a href="https://www.youtube.com/watch?v=DPcqnhvYm8">https://www.youtube.com/watch?v=DPcqnhvYm8</a> <a href="https://www.youtube.com/watch?v=KqhaK2W7-aQ">https://www.youtube.com/watch?v=KqhaK2W7-aQ</a>

### PROGRAMMABLE LOGIC CONROLLERS - 612

Code	Course Title	Paper code	Topics	SUB Topics	Links
<b>612</b>	<b>PROGRAMMABLE LOGIC CONROLLERS</b>		Introduction to PLC-		
				What is PLC ,Technical Definition of a PLC	<a href="https://www.youtube.com/watch?v=g7ONCWmRy0w">https://www.youtube.com/watch?v=g7ONCWmRy0w</a>
				Advantage of PLC	<a href="https://www.youtube.com/watch?v=4QuNU2qf2NI">https://www.youtube.com/watch?v=4QuNU2qf2NI</a>
				Chronological Evolution of a PLC	<a href="https://www.youtube.com/watch?v=7NmomRthOYg">https://www.youtube.com/watch?v=7NmomRthOYg</a>
				Type of PLC	<a href="https://www.youtube.com/watch?v=7NmomRthOYg">https://www.youtube.com/watch?v=7NmomRthOYg</a>
				Block diagram PLC	<a href="https://www.youtube.com/watch?v=7NmomRthOYg">https://www.youtube.com/watch?v=7NmomRthOYg</a>
				PLC Hardware, Timers &Counters-	<a href="https://www.youtube.com/watch?v=oKEVdJLfV0">https://www.youtube.com/watch?v=oKEVdJLfV0</a> <a href="https://www.youtube.com/watch?v=NwlhOsc7ei8">https://www.youtube.com/watch?v=NwlhOsc7ei8</a>
				Relays	<a href="https://www.youtube.com/watch?v=8lhSvv4RHNO">https://www.youtube.com/watch?v=8lhSvv4RHNO</a>
				Ladder logic diagram	<a href="https://www.youtube.com/watch?v=kRH_k6QOhLU">https://www.youtube.com/watch?v=kRH_k6QOhLU</a> <a href="https://www.youtube.com/watch?v=pJDthQ80iDg">https://www.youtube.com/watch?v=pJDthQ80iDg</a>
				PLC Connection	<a href="https://www.youtube.com/watch?v=g7ONCWmRy0w">https://www.youtube.com/watch?v=g7ONCWmRy0w</a>
				Electrical Wiring diagram	<a href="https://www.youtube.com/watch?v=mgs_FtT0vA4">https://www.youtube.com/watch?v=mgs_FtT0vA4</a>
				JIC Wiring	<a href="https://www.youtube.com/watch?v=rQBrkcCmcQQ">https://www.youtube.com/watch?v=rQBrkcCmcQQ</a>

				Symbols	
				Latches,Timer	<a href="https://www.youtube.com/watch?v=G0zllfV1iLE">https://www.youtube.com/watch?v=G0zllfV1iLE</a>
				Classification of Timer	<a href="https://www.youtube.com/watch?v=Ksyj1RV-Afo">https://www.youtube.com/watch?v=Ksyj1RV-Afo</a>
				PLC Counters	<a href="https://www.youtube.com/watch?v=oKEVdJLfT0">https://www.youtube.com/watch?v=oKEVdJLfT0</a> <a href="https://www.youtube.com/watch?v=7fZwykKqgQ">https://www.youtube.com/watch?v=7fZwykKqgQ</a>
				Operation of PLC Counter	<a href="https://www.youtube.com/watch?v=oKEVdJLfT0">https://www.youtube.com/watch?v=oKEVdJLfT0</a>
				Counter Parameters	<a href="https://www.youtube.com/watch?v=vsy2qlTlgG4">https://www.youtube.com/watch?v=vsy2qlTlgG4</a>
		Advance Instruction & Programming Techniques			
				Introduction	<a href="https://www.youtube.com/watch?v=EYZ_A-Q3_pw">https://www.youtube.com/watch?v=EYZ_A-Q3_pw</a>
				Comparison Instruction	<a href="https://www.youtube.com/watch?v=81AdqdHKsSc">https://www.youtube.com/watch?v=81AdqdHKsSc</a>
				Discussions on Comparison Instruction “EQUAL” ii. “NOTEQUAL” iii. “LESS THEN” iv. “LESS THEN OR EQUAL” “GRATER THEN” vi. “MASKED COMPARISION FOR EQUAL” vii. “LIMIT TEST”	<a href="https://www.youtube.com/watch?v=81AdqdHKsSc">https://www.youtube.com/watch?v=81AdqdHKsSc</a>
				Mathematical Instruction	<a href="https://www.youtube.com/watch?v=81AdqdHKsSc">https://www.youtube.com/watch?v=81AdqdHKsSc</a> <a href="https://www.youtube.com/watch?v=PwpjcUNRG0o">https://www.youtube.com/watch?v=PwpjcUNRG0o</a>
				Logical Instruction Data handling Instruction	<a href="https://www.youtube.com/watch?v=iLgQZUsL3Vw">https://www.youtube.com/watch?v=iLgQZUsL3Vw</a>
		PLC Input-Output (I/O) Modules Power Supply		Introduction	<a href="https://www.youtube.com/watch?v=oAn__-vcvC4">https://www.youtube.com/watch?v=oAn__-vcvC4</a>
				Classification of Input Output	<a href="https://www.youtube.com/watch?v=oAn__-vcvC4">https://www.youtube.com/watch?v=oAn__-vcvC4</a>

			Modules	
			Input-Output System	<a href="https://www.youtube.com/watch?v=oAn__-vcvC4">https://www.youtube.com/watch?v=oAn__-vcvC4</a>
			Sinking Sourcing	<a href="https://www.youtube.com/watch?v=oAn__-vcvC4">https://www.youtube.com/watch?v=oAn__-vcvC4</a>
			Special Input Modules	<a href="https://www.youtube.com/watch?v=oAn__-vcvC4">https://www.youtube.com/watch?v=oAn__-vcvC4</a> <a href="https://www.youtube.com/watch?v=BB1L649XmE8">https://www.youtube.com/watch?v=BB1L649XmE8</a>
			RTD Input Module	<a href="https://www.youtube.com/watch?v=fmr6JQrwySM">https://www.youtube.com/watch?v=fmr6JQrwySM</a>
			Stepper Motor Control Module	<a href="https://www.youtube.com/watch?v=tApZNJCf1JA">https://www.youtube.com/watch?v=tApZNJCf1JA</a>
			Thermocouple Input Module	<a href="https://www.youtube.com/watch?v=lwtcj9KC-po">https://www.youtube.com/watch?v=lwtcj9KC-po</a>
			Power Supply Configuring	<a href="https://www.youtube.com/watch?v=oAn__-vcvC4">https://www.youtube.com/watch?v=oAn__-vcvC4</a>
			Power Line conditioner	<a href="https://www.youtube.com/watch?v=oAn__-vcvC4">https://www.youtube.com/watch?v=oAn__-vcvC4</a>
			Reliability, Safety and Redundancy Filter	<a href="https://www.youtube.com/watch?v=9M5WWBSs0ac">https://www.youtube.com/watch?v=9M5WWBSs0ac</a>
		PLC Applications-		
			Distributed control system, (DCS)	<a href="https://www.youtube.com/watch?v=2fXJ54N14BQ">https://www.youtube.com/watch?v=2fXJ54N14BQ</a>
			Industrial control systems, (ICS)	<a href="https://www.youtube.com/watch?v=Yp3lsZBkfkw">https://www.youtube.com/watch?v=Yp3lsZBkfkw</a>
			Programmable automation controller, (PAC).	<a href="https://www.youtube.com/watch?v=zd8LKysZ-0c">https://www.youtube.com/watch?v=zd8LKysZ-0c</a>
			Industrial safety systems	<a href="https://www.youtube.com/watch?v=2fXJ54N14BQ">https://www.youtube.com/watch?v=2fXJ54N14BQ</a>
			SCADA	<a href="https://www.youtube.com/watch?v=Sas4nWR-N94">https://www.youtube.com/watch?v=Sas4nWR-N94</a>
	Industrial Automation & Selection of Programmable Logic			
			Introduction	<a href="https://learneee.com/plc-programmable-logic-control-in-hindi-plc-working-and-connection-in-hindi-full-details-about-plc-in-hindi/">https://learneee.com/plc-programmable-logic-control-in-hindi-plc-working-and-connection-in-hindi-full-details-about-plc-in-hindi/</a>
			Utility of automation	<a href="https://www.youtube.com/watch?v=Yp3lsZBkfkw">https://www.youtube.com/watch?v=Yp3lsZBkfkw</a>

			Controllers	Example of some simple Automated Systems	<a href="https://www.youtube.com/watch?v=Yp3lsZBkfkw">https://www.youtube.com/watch?v=Yp3lsZBkfkw</a>
				Selection of PLC	<a href="https://www.youtube.com/watch?v=hndHhboJnFg">https://www.youtube.com/watch?v=hndHhboJnFg</a>