

## E-RESOURCES

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BATCH: 13BSC - C.S.				Semester : I
	Sr.No.	Chapter Name	Content Type	Links
<b>Introduction to Programming with Python</b>	1	Introduction	VIDEO	<a href="https://youtu.be/WvhQhj4n6b8">https://youtu.be/WvhQhj4n6b8</a>
	2	Methodologies	VIDEO	<a href="https://youtu.be/yW90RGeRDOE">https://youtu.be/yW90RGeRDOE</a>
	3	Social Impact	VIDEO	<a href="https://youtu.be/XKHEtdqhLK8">https://youtu.be/XKHEtdqhLK8</a>
	4	Contributing To Open Source Projects	VIDEO	<a href="https://youtu.be/HuL2WSgP2mU">https://youtu.be/HuL2WSgP2mU</a>
	5	Understanding Open Source Ecosystem	VIDEO	<a href="https://www.idc.com/getdoc.jsp?containerId=IDC_P35082">https://www.idc.com/getdoc.jsp?containerId=IDC_P35082</a>
<b>Descriptive Statistics</b>	1	Data Presentation	VIDEO	<a href="https://www.youtube.com/watch?v=tGWe7XRsf18">https://www.youtube.com/watch?v=tGWe7XRsf18</a>
	2	Moments	VIDEO	<a href="https://www.youtube.com/watch?v=m9a6rg0tNSM&amp;t=51s">https://www.youtube.com/watch?v=m9a6rg0tNSM&amp;t=51s</a>
	3	Probability	VIDEO	<a href="https://www.youtube.com/watch?v=V3iEsLPAD68&amp;list=PLU6SqdYcYsflRq3tu-g_hvkHDcorrtcB">https://www.youtube.com/watch?v=V3iEsLPAD68&amp;list=PLU6SqdYcYsflRq3tu-g_hvkHDcorrtcB</a>
<b>Digital System and Architecture</b>	1	Fundamentals Of Digital Logic	VIDEO	<a href="https://youtu.be/k9eYUngbNaE">https://youtu.be/k9eYUngbNaE</a>
	2	Computer System	VIDEO	<a href="https://youtu.be/So9SR3qpWsm">https://youtu.be/So9SR3qpWsm</a>
	3	Memory System Organization	VIDEO	<a href="https://youtu.be/6w0wS6IVmbI">https://youtu.be/6w0wS6IVmbI</a>
	4	Processor Organization	VIDEO	<a href="https://youtu.be/huD80O4opMI">https://youtu.be/huD80O4opMI</a>
	5	Control Unit	VIDEO	<a href="https://youtu.be/oO0dDHh7efQ">https://youtu.be/oO0dDHh7efQ</a>
	6	Fundamentals Of Advanced Computer Architecture	VIDEO	<a href="https://youtu.be/pMIBcYIEcRo">https://youtu.be/pMIBcYIEcRo</a>
<b>Discrete Mathematics</b>	1	Functions	VIDEO	<a href="https://youtu.be/SBGw6B262jc">https://youtu.be/SBGw6B262jc</a>
	2	Relations	VIDEO	<a href="https://youtu.be/5F-xB5NupAE">https://youtu.be/5F-xB5NupAE</a>
	3	Recurrence Relations	VIDEO	<a href="https://youtu.be/5BYGJbqCqy0">https://youtu.be/5BYGJbqCqy0</a>
	4	Permutation And Combinations	VIDEO	<a href="https://youtu.be/GZATQel8dJo">https://youtu.be/GZATQel8dJo</a>
	5	Counting Principles	VIDEO	<a href="https://youtu.be/x-TvCu8UwGI">https://youtu.be/x-TvCu8UwGI</a>
	6	Languages, Grammars And Machines	VIDEO	<a href="https://youtu.be/O6OO4yJCFeY">https://youtu.be/O6OO4yJCFeY</a>
	7	Graphs And Trees	VIDEO	<a href="https://youtu.be/nOga6kt9n3A">https://youtu.be/nOga6kt9n3A</a>
<b>Open Source Technologies</b>	1	Introduction	VIDEO	<a href="https://youtu.be/QQzBACyX12M">https://youtu.be/QQzBACyX12M</a>
	2	Methodologies	VIDEO	<a href="https://youtu.be/yW90RGeRDOE">https://youtu.be/yW90RGeRDOE</a>
	3	Contributing To Open Source Projects	VIDEO	<a href="https://youtu.be/HuL2WSgP2mU">https://youtu.be/HuL2WSgP2mU</a>
	4	Understanding Open Source Ecosystem	VIDEO	<a href="https://www.idc.com/getdoc.jsp?containerId=IDC_P35082">https://www.idc.com/getdoc.jsp?containerId=IDC_P35082</a>
<b>LINUX OPERATING SYSTEM</b>	1	Linux Operating System And Basics	VIDEO	<a href="https://youtu.be/ROjZy1WbCIA">https://youtu.be/ROjZy1WbCIA</a>
	2	Bash Shell Commands	VIDEO	<a href="https://youtu.be/2PGnYjbYuUo">https://youtu.be/2PGnYjbYuUo</a>
	3	Linux File Permission, Linux Security	VIDEO	<a href="https://youtu.be/k1yzI7c6Fzk">https://youtu.be/k1yzI7c6Fzk</a>
	4	Networking	VIDEO	<a href="https://youtu.be/_IOZ8_cPgu8">https://youtu.be/_IOZ8_cPgu8</a>
	5	Script Building	VIDEO	<a href="https://www.youtube.com/watch?v=hdcQlmW70KQ">https://www.youtube.com/watch?v=hdcQlmW70KQ</a>
<b>SOFT SKILLS</b>	1	Introduction To Soft Skills And Hard Skills. Personality Development	VIDEO	<a href="https://youtu.be/2YAbc_zsJLM">https://youtu.be/2YAbc_zsJLM</a>
	2	Emotional Intelligence	VIDEO	<a href="https://youtu.be/LgUCyWhJf6s">https://youtu.be/LgUCyWhJf6s</a>
	3	Etiquette And Mannerism	VIDEO	<a href="https://youtu.be/I4uL5mkcAJc">https://youtu.be/I4uL5mkcAJc</a>
	4	Communication Today	VIDEO	<a href="https://www.youtube.com/watch?v=6EM4RsEdMGs">https://www.youtube.com/watch?v=6EM4RsEdMGs</a>
	5	Academic Skills: Employment Communication	VIDEO	<a href="https://youtu.be/xQfYiHbAjJo">https://youtu.be/xQfYiHbAjJo</a>
	6	Professional Presentation	VIDEO	<a href="https://youtu.be/ADJAcYtq1us">https://youtu.be/ADJAcYtq1us</a>
	7	Job Interviews	VIDEO	<a href="https://youtu.be/1mHjMNZZvFo">https://youtu.be/1mHjMNZZvFo</a>
	8	Group Discussion	VIDEO	<a href="https://youtu.be/3w32jIsRlsw">https://youtu.be/3w32jIsRlsw</a>
	9	Professional Skills: Creativity At Workplace	VIDEO	<a href="https://youtu.be/4U-Tjx1-HGw">https://youtu.be/4U-Tjx1-HGw</a>
	10	Ethical Values	VIDEO	<a href="https://youtu.be/u399XmkjeXo">https://youtu.be/u399XmkjeXo</a>
	11	Capacity Building	VIDEO	<a href="https://youtu.be/PXrVZY3mYew">https://youtu.be/PXrVZY3mYew</a>
	12	Leadership And Team Building	VIDEO	<a href="https://youtu.be/BTWwq_1wJWE">https://youtu.be/BTWwq_1wJWE</a>
	13	Decision Making And Negotiation	VIDEO	<a href="https://youtu.be/nJmteC2wfRo">https://youtu.be/nJmteC2wfRo</a>
	14	Stress And Time Management	VIDEO	<a href="https://youtu.be/sy6yoNKTgWk">https://youtu.be/sy6yoNKTgWk</a>

BATCH: 14BSC - C.S.		Semester : III		
Principles of Operating Systems		<b>UNIT 1</b>		
	1	Introduction to Operating-Systems	VIDEO	<a href="https://www.youtube.com/watch?v=qt8KfuNTzWs">https://www.youtube.com/watch?v=qt8KfuNTzWs</a>
	2	Operating-System Structures	VIDEO	<a href="https://www.youtube.com/watch?v=beARiqXjbUA">https://www.youtube.com/watch?v=beARiqXjbUA</a>
	3	Processes	VIDEO	<a href="https://www.youtube.com/watch?v=0Mbl6kbI5ffNt7BF8Fn">0Mbl6kbI5ffNt7BF8Fn</a>
	4	Threads	VIDEO	<a href="https://www.youtube.com/watch?v=pPTltmTMR0Q">https://www.youtube.com/watch?v=pPTltmTMR0Q</a>
		<b>UNIT 2</b>		
	5	Process Synchronization	VIDEO	<a href="https://www.youtube.com/watch?v=ph2awKa8r5Y">https://www.youtube.com/watch?v=ph2awKa8r5Y</a>
	6	CPU Scheduling	VIDEO	<a href="https://www.youtube.com/watch?v=SE_AyyySWfhRgyA-rHk">SE_AyyySWfhRgyA-rHk</a>
	7	Deadlocks	VIDEO	<a href="https://www.youtube.com/watch?v=UVo9mGARKhQ">https://www.youtube.com/watch?v=UVo9mGARKhQ</a>
		<b>UNIT 3</b>		
	8	Main Memory	VIDEO	<a href="https://www.youtube.com/watch?v=m7iXeDyFe4I">https://www.youtube.com/watch?v=m7iXeDyFe4I</a>
	9	Virtual Memory	VIDEO	<a href="https://www.youtube.com/watch?v=qIH4-oHnBb8">https://www.youtube.com/watch?v=qIH4-oHnBb8</a>
10	Mass-Storage Structure	VIDEO	<a href="https://www.youtube.com/watch?v=qIH4-oHnBb8">https://www.youtube.com/watch?v=qIH4-oHnBb8</a>	
11	File-System Interface	VIDEO	<a href="https://www.youtube.com/watch?v=qUAa_7FvWQXCd3MtqjWrs">qUAa_7FvWQXCd3MtqjWrs</a>	
12	File-System Implementation	VIDEO	<a href="https://www.youtube.com/watch?v=duUccxFeJ9g">https://www.youtube.com/watch?v=duUccxFeJ9g</a>	
Linear Algebra		<b>UNIT 1</b>		
	1	Field	VIDEO	<a href="https://www.youtube.com/watch?v=IpvbNqobRYA">https://www.youtube.com/watch?v=IpvbNqobRYA</a>
	2	Vectors	VIDEO	<a href="https://www.youtube.com/watch?v=vFf5xssxjWk">https://www.youtube.com/watch?v=vFf5xssxjWk</a>
	3	The Vector Space	VIDEO	<a href="https://www.youtube.com/watch?v=yscn-44yP1o">https://www.youtube.com/watch?v=yscn-44yP1o</a>
		<b>UNIT 3</b>		
	4	Matrix	VIDEO	<a href="https://www.youtube.com/watch?v=g6ucDnQKQgg">https://www.youtube.com/watch?v=g6ucDnQKQgg</a>
	5	Gaussian elimination	VIDEO	<a href="https://www.youtube.com/watch?v=m8Y0HeYPavk">https://www.youtube.com/watch?v=m8Y0HeYPavk</a>
6	Inner Product	VIDEO	<a href="https://www.youtube.com/watch?v=2e03K_056t0">https://www.youtube.com/watch?v=2e03K_056t0</a>	
7	Orthogonalization	VIDEO	<a href="https://www.youtube.com/watch?v=SnSoX09aVRk">https://www.youtube.com/watch?v=SnSoX09aVRk</a>	
	Eigenvalues and Eigenvectors	VIDEO	<a href="https://www.youtube.com/watch?v=h8sg_XBp6VA">https://www.youtube.com/watch?v=h8sg_XBp6VA</a>	
Data Structures	1	Abstract Data Type	VIDEO	<a href="https://www.youtube.com/watch?v=ZniDyolzrBw">https://www.youtube.com/watch?v=ZniDyolzrBw</a>
	2	Linked Structures	VIDEO	<a href="https://www.youtube.com/watch?v=R9PTBwOzceo">https://www.youtube.com/watch?v=R9PTBwOzceo</a>
	3	Stacks	VIDEO	<a href="https://www.youtube.com/watch?v=I37kGX-nZEI">https://www.youtube.com/watch?v=I37kGX-nZEI</a>
	4	Queues	VIDEO	<a href="https://www.youtube.com/watch?v=zp6pBNbUB2U">https://www.youtube.com/watch?v=zp6pBNbUB2U</a>
	5	Doubly Linked list	VIDEO	<a href="https://www.youtube.com/watch?v=e9NG_a6Z0mg">https://www.youtube.com/watch?v=e9NG_a6Z0mg</a>
	6	Trees	VIDEO	<a href="https://www.youtube.com/watch?v=qH6yxkw0u78">https://www.youtube.com/watch?v=qH6yxkw0u78</a>
	7	Priority Queues & Heaps	VIDEO	<a href="https://www.youtube.com/watch?v=qXdt1AHMB2o">https://www.youtube.com/watch?v=qXdt1AHMB2o</a>
	8	Graph	VIDEO	<a href="https://www.youtube.com/watch?v=TwdjOQMTaQ4">https://www.youtube.com/watch?v=TwdjOQMTaQ4</a>
	9	Hashing	VIDEO	<a href="https://www.youtube.com/watch?v=W5q0xgxmRd8">https://www.youtube.com/watch?v=W5q0xgxmRd8</a>
Advanced Database Concepts		<b>UNIT 1</b>		
	1	Overview of PL/SQL	VIDEO	<a href="https://www.youtube.com/watch?v=xofpqdU3cD4">https://www.youtube.com/watch?v=xofpqdU3cD4</a>
	2	Fundamentals of PL/SQL:	VIDEO	<a href="https://www.youtube.com/watch?v=_uy_yheqO8k">https://www.youtube.com/watch?v=_uy_yheqO8k</a>
	3	Control Statements	VIDEO	<a href="https://www.youtube.com/watch?v=a7lXADZ-HvY">https://www.youtube.com/watch?v=a7lXADZ-HvY</a>
	4	Sequences	VIDEO	<a href="https://www.youtube.com/watch?v=nhMevR3rzs">https://www.youtube.com/watch?v=nhMevR3rzs</a>
	5	Stored Procedures and Functions	VIDEO	<a href="https://www.youtube.com/watch?v=VX4OvU1pp1Y">https://www.youtube.com/watch?v=VX4OvU1pp1Y</a>
	6	Collections and Records	VIDEO	<a href="https://www.youtube.com/watch?v=TgoHpkEjrYY">https://www.youtube.com/watch?v=TgoHpkEjrYY</a>
	7	Error Handling:	VIDEO	<a href="https://www.youtube.com/watch?v=OQoxxCEhfg">https://www.youtube.com/watch?v=OQoxxCEhfg</a>
	8	Cursors	VIDEO	<a href="https://www.youtube.com/watch?v=3pogCD8RvBE">https://www.youtube.com/watch?v=3pogCD8RvBE</a>
	9	Static and Dynamic SQL	VIDEO	<a href="https://www.youtube.com/watch?v=B0DjoKaiLnI">https://www.youtube.com/watch?v=B0DjoKaiLnI</a>
	10	Triggers	VIDEO	<a href="https://www.youtube.com/watch?v=k0S4P-a6d5w">https://www.youtube.com/watch?v=k0S4P-a6d5w</a>
	11	Packages	VIDEO	<a href="https://www.youtube.com/watch?v=Y1qDAOvXrK0">https://www.youtube.com/watch?v=Y1qDAOvXrK0</a>
	12	Transaction Management	VIDEO	<a href="https://www.youtube.com/watch?v=t5hsV9lC1rU">https://www.youtube.com/watch?v=t5hsV9lC1rU</a>
13	Crash Recovery	VIDEO	<a href="https://www.youtube.com/watch?v=eq2EMu1Mh-w">https://www.youtube.com/watch?v=eq2EMu1Mh-w</a>	
	1	Green IT Fundamentals	VIDEO	<a href="https://www.youtube.com/watch?v=dEn9B00A_FY">https://www.youtube.com/watch?v=dEn9B00A_FY</a>
	2	Green IT Strategies	VIDEO	<a href="https://www.youtube.com/watch?v=i-pu0fVVEe4">https://www.youtube.com/watch?v=i-pu0fVVEe4</a>
	3	Environmentally Responsible Business	VIDEO	<a href="https://www.youtube.com/watch?v=PEi2IU--ZyY">https://www.youtube.com/watch?v=PEi2IU--ZyY</a>

<b>Green Technologies</b>	4	Green Assets	VIDEO	<a href="https://www.youtube.com/watch?v=N_iu039wefg">https://www.youtube.com/watch?v=N_iu039wefg</a>
	5	Green Assets and emerging Trends	VIDEO	<a href="https://www.youtube.com/watch?v=B0caLJNKZEU">https://www.youtube.com/watch?v=B0caLJNKZEU</a>
	6	Green Business Process Management	VIDEO	<a href="https://www.youtube.com/watch?v=AncyJkbVPVc">https://www.youtube.com/watch?v=AncyJkbVPVc</a>
	7	Green Enterprise Architecture	VIDEO	<a href="https://www.youtube.com/watch?v=_NFec8AhtA">https://www.youtube.com/watch?v=_NFec8AhtA</a>
	8	Green Information Systems(GIS): Design and Development Models	VIDEO	<a href="https://www.youtube.com/watch?v=PgoAybauFWc">https://www.youtube.com/watch?v=PgoAybauFWc</a>
	9	Sociocultural Aspects of Green IT	VIDEO	<a href="https://www.youtube.com/watch?v=Zcx55BdFCHs">https://www.youtube.com/watch?v=Zcx55BdFCHs</a>
	10	Green Compliance: Protocols, Standards, and Audits	VIDEO	<a href="https://www.youtube.com/watch?v=EPY0S0kxT44">https://www.youtube.com/watch?v=EPY0S0kxT44</a>
	11	Emerging Carbon Issues	VIDEO	<a href="https://www.youtube.com/watch?v=cxVFopLpIQY">https://www.youtube.com/watch?v=cxVFopLpIQY</a>
<b>Java based Application Development</b>		<b>UNIT 1</b>		
	1	Introduction	VIDEO	<a href="https://www.youtube.com/watch?v=KyVRYSA3EHM">https://www.youtube.com/watch?v=KyVRYSA3EHM</a>
	2	OOPS	VIDEO	<a href="https://www.youtube.com/watch?v=7GwptabrYyk">https://www.youtube.com/watch?v=7GwptabrYyk</a>
	3	Exception Handling	VIDEO	<a href="https://www.youtube.com/watch?v=W-N2ltgU-X4">https://www.youtube.com/watch?v=W-N2ltgU-X4</a>
	4	Multithreading	VIDEO	<a href="https://www.youtube.com/watch?v=TCd8QIS-2KI">https://www.youtube.com/watch?v=TCd8QIS-2KI</a>
		<b>UNIT 2</b>		
	5	Collection Framework	VIDEO	<a href="https://www.youtube.com/watch?v=VphowcSkBX4">https://www.youtube.com/watch?v=VphowcSkBX4</a>
	6	Introduction to JFC and Swing	VIDEO	<a href="https://www.youtube.com/watch?v=8z0IaAP4Ac">https://www.youtube.com/watch?v=8z0IaAP4Ac</a>
	7	Event Handling	VIDEO	<a href="https://www.youtube.com/watch?v=M43ZPdGqIXQ">https://www.youtube.com/watch?v=M43ZPdGqIXQ</a>
	8	JDBC	VIDEO	<a href="https://www.youtube.com/watch?v=3OrEsC-QjUA&amp;t=29s">https://www.youtube.com/watch?v=3OrEsC-QjUA&amp;t=29s</a>
	9	Servlets	VIDEO	<a href="https://www.youtube.com/watch?v=ewiOaDitBBw">https://www.youtube.com/watch?v=ewiOaDitBBw</a>
	<b>UNIT 3</b>			
10	Java Server Pages (JSP)	VIDEO	<a href="https://www.youtube.com/watch?v=_8_kQz1m-0U">https://www.youtube.com/watch?v=_8_kQz1m-0U</a>	
11	JSON	VIDEO	<a href="https://www.youtube.com/watch?v=uw_rP5bV9r0">https://www.youtube.com/watch?v=uw_rP5bV9r0</a>	
<b>Web Technologies</b>		<b>UNIT 1</b>		
	1	HTML5	VIDEO	<a href="https://www.youtube.com/watch?v=DPnqb74Smug">https://www.youtube.com/watch?v=DPnqb74Smug</a>
	2	CSS	VIDEO	<a href="https://www.youtube.com/watch?v=1PnVor36_40">https://www.youtube.com/watch?v=1PnVor36_40</a>
	3	JavaScript	VIDEO	<a href="https://www.youtube.com/watch?v=W6NZfCO5Sik">https://www.youtube.com/watch?v=W6NZfCO5Sik</a>
	4	XML	VIDEO	<a href="https://www.youtube.com/watch?v=1JblVElt5K0">https://www.youtube.com/watch?v=1JblVElt5K0</a>
	5	XSLT	VIDEO	<a href="https://www.youtube.com/watch?v=W--Yhp0m35A">https://www.youtube.com/watch?v=W--Yhp0m35A</a>
	6	AJAX	VIDEO	<a href="https://www.youtube.com/watch?v=FJZEVmF3eDg">https://www.youtube.com/watch?v=FJZEVmF3eDg</a>
	7	PHP	VIDEO	<a href="https://www.youtube.com/watch?v=1SnPKhCdsU">https://www.youtube.com/watch?v=1SnPKhCdsU</a>
8	Introduction to jQuery	VIDEO	<a href="https://www.youtube.com/watch?v=i32p6HvYC1A">https://www.youtube.com/watch?v=i32p6HvYC1A</a>	

BATCH: 15BSC - C.S.		Semester : V		
	Sr.No.	Chapter Name	Content Type	Links
Software Testing	1	Software Testing Introduction, Techniques, Verification And Validation	VIDEO	<a href="https://www.youtube.com/watch?v=T3q6QcCQZQg&amp;t=3s">https://www.youtube.com/watch?v=T3q6QcCQZQg&amp;t=3s</a>
	2	Software Testing Strategies, Matrices, Defect Management	VIDEO	<a href="https://www.youtube.com/watch?v=6rNgpPXz9A9s">https://www.youtube.com/watch?v=6rNgpPXz9A9s</a>
	3	Software Quality Assurance, Quality Improvement, Quality Cost	VIDEO	<a href="https://www.youtube.com/watch?v=XiCOWh_psSI">https://www.youtube.com/watch?v=XiCOWh_psSI</a>
Web Services	1	Internet Service	VIDEO	<a href="https://youtu.be/lhoA5AO3-FE">https://youtu.be/lhoA5AO3-FE</a>
	2	Intranet Service	VIDEO	<a href="https://youtu.be/Lr1AgUYcKvM">https://youtu.be/Lr1AgUYcKvM</a>
	3	Web Services Basics	VIDEO	<a href="https://www.youtube.com/watch?v=MUq_RkG7De0">https://www.youtube.com/watch?v=MUq_RkG7De0</a>
	4	Rest Architectural Style	VIDEO	<a href="https://www.youtube.com/watch?v=6rNgpPXz9A9s">introduction-to-rest-rg6VK</a>
	5	Developing Service-Oriented Applications With Wcf	VIDEO	<a href="https://www.youtube.com/watch?v=vI01FSA0wsg">https://www.youtube.com/watch?v=vI01FSA0wsg</a>
Game Programming	1	Gp Index And About Software	VIDEO	<a href="https://www.youtube.com/watch?v=OIMw3WJT7wc">https://www.youtube.com/watch?v=OIMw3WJT7wc</a>
	2	Cartesian Coordinate System And Vectors	VIDEO	<a href="https://www.youtube.com/watch?v=8dR_o7LdKw">https://www.youtube.com/watch?v=8dR_o7LdKw</a>
	3	Transformations And Direct X	VIDEO	<a href="https://www.youtube.com/watch?v=wI8vbXA_ZW4">watch?v=wI8vbXA_ZW4</a>
	4	Transformations And Direct X	VIDEO	<a href="https://www.youtube.com/watch?v=ljMHFbRcWX4">https://www.youtube.com/watch?v=ljMHFbRcWX4</a>
	5	Direct3D 11 Rendering Pipeline	VIDEO	<a href="https://www.youtube.com/watch?v=OPTBOX1HHIo">https://www.youtube.com/watch?v=OPTBOX1HHIo</a>
	6	Interpolation And Character Animation	VIDEO	<a href="https://youtu.be/quxPu_7sFFc">https://youtu.be/quxPu_7sFFc</a>
	7	Introduction To Rendering Engines	VIDEO	<a href="https://www.youtube.com/watch?v=WzfDo2Wpxks">Introduction to Rendering   Game Engine series - YouTube</a>
	8	Unity Engine - Multi-Platform Publishing Vr+Ar	VIDEO	<a href="https://www.youtube.com/watch?v=WzfDo2Wpxks">https://www.youtube.com/watch?v=WzfDo2Wpxks</a>
	9	Scripting	VIDEO	<a href="https://www.youtube.com/watch?v=bYB26O3YWwE">https://www.youtube.com/watch?v=bYB26O3YWwE</a>
	10	Xr	VIDEO	<a href="https://www.youtube.com/watch?v=qKDzZd0sjxQ">https://www.youtube.com/watch?v=qKDzZd0sjxQ</a>
Information & Network Security	1	Introduction	VIDEO	<a href="https://london.ac.uk/sites/default/files/study-guides/computer-security.pdf">https://london.ac.uk/sites/default/files/study-guides/computer-security.pdf</a>
	2	Classical Encryption Techniques	VIDEO	<a href="https://www.youtube.com/watch?v=GoLC2wFGruY_E2gYtev&amp;index=2">GoLC2wFGruY_E2gYtev&amp;index=2</a>
	3	Public-Key Cryptography And Rsa	VIDEO	<a href="https://www.youtube.com/watch?v=GoLC2wFGruY_E2gYtev&amp;index=25">GoLC2wFGruY_E2gYtev&amp;index=25</a>
	4	Key Management	VIDEO	<a href="https://www.geeksforgeeks.org/easy-key-management-in-cryptography/">https://www.geeksforgeeks.org/easy-key-management-in-cryptography/</a>
	5	Message Authentication And Hash Functions	VIDEO	<a href="https://www.youtube.com/watch?v=uGoLC2wFGruY_E2gYtev&amp;index=36">uGoLC2wFGruY_E2gYtev&amp;index=36</a>
	6	Digital Signatures And Authentication	VIDEO	<a href="https://www.youtube.com/watch?v=zY&amp;list=PLJ5C_6qdAvBFauGoLC2wFGruY_E2gYtev&amp;index=37">zY&amp;list=PLJ5C_6qdAvBFauGoLC2wFGruY_E2gYtev&amp;index=37</a>
	7	Authentication Applications	VIDEO	<a href="https://www.youtube.com/watch?v=ecuritypractice.pdf">ecuritypractice.pdf</a>
	8	Electronic Mail Security	VIDEO	<a href="https://www.tutorialspoint.com/internet_technologies/e_mail_security.htm">https://www.tutorialspoint.com/internet_technologies/e_mail_security.htm</a>
	9	Ip Security	VIDEO	<a href="https://www.youtube.com/watch?v=XsgVqrcP32U">https://www.youtube.com/watch?v=XsgVqrcP32U</a>
	10	Web Security	VIDEO	<a href="https://www.youtube.com/watch?v=tH5BXm_rV5g">https://www.youtube.com/watch?v=tH5BXm_rV5g</a>
	11	Intrusion	VIDEO	<a href="https://www.youtube.com/watch?v=uBED_MVV6Bc">https://www.youtube.com/watch?v=uBED_MVV6Bc</a>
	12	Malicious Software	VIDEO	<a href="https://www.youtube.com/watch?v=LJcF3bw25qE">https://www.youtube.com/watch?v=LJcF3bw25qE</a>
	13	Firewalls	VIDEO	<a href="https://www.youtube.com/watch?v=9GZIV0afYTg">https://www.youtube.com/watch?v=9GZIV0afYTg</a>
Linux Server	1	<b>UNIT 1</b>		
	2	Introduction:	VIDEO	<a href="https://www.youtube.com/watch?v=V1y-mbWM3B8">https://www.youtube.com/watch?v=V1y-mbWM3B8</a>
	3	Single-Host Administration:	VIDEO	<a href="https://www.youtube.com/watch?v=v_1zB2WNN14">https://www.youtube.com/watch?v=v_1zB2WNN14</a>
	4		VIDEO	
	5	Managing Users and Groups,	VIDEO	<a href="https://www.youtube.com/watch?v=uf_xTVwGsUc">https://www.youtube.com/watch?v=uf_xTVwGsUc</a>
	6	Booting and shutting down processes,	VIDEO	<a href="https://www.youtube.com/watch?v=FeQGe8_x0yE">https://www.youtube.com/watch?v=FeQGe8_x0yE</a>
	7	File Systems,	VIDEO	<a href="https://www.youtube.com/watch?v=2gyKkgguyxE">https://www.youtube.com/watch?v=2gyKkgguyxE</a>
	8	Core System Services,	VIDEO	
	9	Process of configuring,	VIDEO	<a href="https://www.youtube.com/watch?v=WMy3OzvBWc0">https://www.youtube.com/watch?v=WMy3OzvBWc0</a>
	10	Networking and Security:	VIDEO	<a href="https://www.youtube.com/results?search_query=Networking+and+Security%3A%2C+in+linux">https://www.youtube.com/results?search_query=Networking+and+Security%3A%2C+in+linux</a>
	11	TCP/IP for System Administrators,	VIDEO	<a href="https://www.youtube.com/watch?v=GHbq4xpo2gA">https://www.youtube.com/watch?v=GHbq4xpo2gA</a>
	12	basic network Configuration,	VIDEO	<a href="https://www.youtube.com/watch?v=03_pzKB3hQs">https://www.youtube.com/watch?v=03_pzKB3hQs</a>
	13	Linux Firewall	VIDEO	<a href="https://www.youtube.com/watch?v=XtRXm4FFK7Q">https://www.youtube.com/watch?v=XtRXm4FFK7Q</a>
	14	System and network security	VIDEO	<a href="https://www.youtube.com/watch?v=6Jub11UnJTE">https://www.youtube.com/watch?v=6Jub11UnJTE</a>
	15	<b>UNIT 4</b>	VIDEO	
	16	Internet Services:	VIDEO	<a href="https://www.youtube.com/watch?v=oYU_Eh9IyFA">https://www.youtube.com/watch?v=oYU_Eh9IyFA</a>
	17	Domain Name System (DNS),	VIDEO	<a href="https://www.youtube.com/watch?v=FeZjRF-aVlc">https://www.youtube.com/watch?v=FeZjRF-aVlc</a>
	18	File Transfer Protocol (FTP),	VIDEO	<a href="https://www.youtube.com/watch?v=62xfSWBxBxU">https://www.youtube.com/watch?v=62xfSWBxBxU</a>
	19	Apache web server,	VIDEO	<a href="https://www.youtube.com/watch?v=q8Jj4aAWYw">https://www.youtube.com/watch?v=q8Jj4aAWYw</a>

**Administration**

20	Simple Mail Transfer Protocol (SMTP),	VIDEO	<a href="https://www.youtube.com/watch?v=TJdaLudvCMA">https://www.youtube.com/watch?v=TJdaLudvCMA</a>
21	Post Office Protocol and Internet Mail	VIDEO	<a href="https://www.youtube.com/watch?v=6Y8_Deyb_xU">https://www.youtube.com/watch?v=6Y8_Deyb_xU</a>
22	Access Protocol (POP and IMAP),	VIDEO	<a href="https://www.youtube.com/watch?v=SBaARws0hy4">https://www.youtube.com/watch?v=SBaARws0hy4</a>
23	Secure Shell (SSH), Network Authentication,	VIDEO	<a href="https://www.youtube.com/watch?v=47hjFcf8LKk">https://www.youtube.com/watch?v=47hjFcf8LKk</a>
24	OpenLDAP Server,	VIDEO	<a href="https://www.youtube.com/watch?v=42tFcFFkk-w">https://www.youtube.com/watch?v=42tFcFFkk-w</a>
25	Samba and LDAP,	VIDEO	<a href="https://www.youtube.com/watch?v=IH6GyWr4xBg">https://www.youtube.com/watch?v=IH6GyWr4xBg</a>
26	Network authentication system	VIDEO	<a href="https://www.youtube.com/watch?v=03_pzKB3hQs">https://www.youtube.com/watch?v=03_pzKB3hQs</a>
28	Domain Name Service (DNS), Security	VIDEO	<a href="https://www.youtube.com/watch?v=9nCljLLVzY">https://www.youtube.com/watch?v=9nCljLLVzY</a>
	<b>UNIT 3</b>		
29	Network File System (NFS),	VIDEO	<a href="https://www.youtube.com/watch?v=wFnC09exw_0">https://www.youtube.com/watch?v=wFnC09exw_0</a>
30	Samba,	VIDEO	<a href="https://www.youtube.com/watch?v=7Q0mnAT1MRg">https://www.youtube.com/watch?v=7Q0mnAT1MRg</a>
31	Distributed File Systems (DFS),	VIDEO	<a href="https://www.youtube.com/watch?v=afbluYwozqY">https://www.youtube.com/watch?v=afbluYwozqY</a>
33	Information Service (NIS),	VIDEO	<a href="https://www.youtube.com/watch?v=02JMK6cCnI4">https://www.youtube.com/watch?v=02JMK6cCnI4</a>
34	Lightweight Directory Access Protocol (LDAP),	VIDEO	<a href="https://www.youtube.com/watch?v=XzEuvBX0I64">https://www.youtube.com/watch?v=XzEuvBX0I64</a>
35	Dynamic Host Configuration Protocol (DHCP),	VIDEO	<a href="https://www.youtube.com/watch?v=e6-TaH5bkjo">https://www.youtube.com/watch?v=e6-TaH5bkjo</a>
36	MySQL,	VIDEO	<a href="https://www.youtube.com/watch?v=2bW3HuaAUcY">https://www.youtube.com/watch?v=2bW3HuaAUcY</a>
37	LAMP Applications	VIDEO	<a href="https://www.youtube.com/watch?v=B-3xgz3C9ZQ">https://www.youtube.com/watch?v=B-3xgz3C9ZQ</a>
38	File Servers,	VIDEO	<a href="https://www.youtube.com/watch?v=3sSzWjisKDM">https://www.youtube.com/watch?v=3sSzWjisKDM</a>
39	Email Services,	VIDEO	<a href="https://www.youtube.com/watch?v=fn_perE5HiM">https://www.youtube.com/watch?v=fn_perE5HiM</a>
41	Virtual Private Networking.	VIDEO	<a href="https://www.youtube.com/watch?v=eDLXs4L_ayA">https://www.youtube.com/watch?v=eDLXs4L_ayA</a>

## E-RESOURCE

The content in these videos are only for educational and information purpose and are not intended to be advised or recommended of any kind whatsoever. If you have any queries related to the content of videos, kindly contact your related subject teacher or class teacher or the programme HoD. Our College is not responsible for any type of illegal content or adds shown in the videos.

BATCH : 13BSC-CS				Semester : II	
	Sr.No.	Chapter Name	Content Type	Links	
<b>Introduction to OOPS using C++</b>	1	Introduction to Programming Concepts	VIDEO	<a href="https://www.youtube.com/watch?v=zOjov-2OZ0E">https://www.youtube.com/watch?v=zOjov-2OZ0E</a>	
	2	Data Types, Data Input Output and Operators	VIDEO	<a href="https://www.youtube.com/watch?v=wHwCNdpQxwz">https://www.youtube.com/watch?v=wHwCNdpQxwz</a>	
	3	Decision Making, Loops, Arrays and Strings	VIDEO	<a href="https://www.youtube.com/watch?v=NPaKw3ZMkz4">https://www.youtube.com/watch?v=NPaKw3ZMkz4</a>	
	4	Classes, Abstraction & Encapsulation	VIDEO	<a href="https://www.youtube.com/watch?v=nvrylVckaLU">https://www.youtube.com/watch?v=nvrylVckaLU</a>	
	5	Unified Modeling Language (UML)	VIDEOS	<a href="https://www.youtube.com/watch?v=7BSBWhGFmJ0">https://www.youtube.com/watch?v=7BSBWhGFmJ0</a> <a href="https://www.youtube.com/watch?v=RGorwxoRikM">https://www.youtube.com/watch?v=RGorwxoRikM</a>	
<b>Advanced Python Programming</b>	1	Python File Input-Output	VIDEO	<a href="https://youtu.be/ixEeeNjjOJO">https://youtu.be/ixEeeNjjOJO</a>	
	2	Exception handling	VIDEO	<a href="https://youtu.be/NMTEjQ8-AJM">https://youtu.be/NMTEjQ8-AJM</a>	
	3	Regular Expressions	VIDEO	<a href="https://youtu.be/zN8rwVXwRUE">https://youtu.be/zN8rwVXwRUE</a>	
	4	GUI Programming in Python (using Tkinter/wxPython/Qt)	VIDEO	<a href="https://youtu.be/YXPYB4XeYLA">https://youtu.be/YXPYB4XeYLA</a>	
	5	Database connectivity in Python	VIDEO	<a href="https://youtu.be/f1TRDX-TUdg">https://youtu.be/f1TRDX-TUdg</a>	
	6	Network connectivity	VIDEO	<a href="https://youtube.com/playlist?list=PLhTjy8cBISErYuLZUvVOYsR1giva2payF">https://youtube.com/playlist?list=PLhTjy8cBISErYuLZUvVOYsR1giva2payF</a>	
	7	Socket modules	VIDEO	<a href="https://youtu.be/VOYsR1giva2payF">https://youtu.be/VOYsR1giva2payF</a>	
<b>Digital and Analysis of Algorithm</b>	1	Introduction to Algorithms, Introduction to Data Structures	VIDEO	<a href="https://www.youtube.com/watch?v=xLeTjpcjHS0">https://www.youtube.com/watch?v=xLeTjpcjHS0</a>	
	2	Recursion, Basic Sorting Techniques	VIDEO	<a href="https://www.youtube.com/watch?v=_SEmX51UHEA">https://www.youtube.com/watch?v=_SEmX51UHEA</a>	
	3	Searching Techniques, Selection Techniques, String Algorithms	VIDEO	<a href="https://www.youtube.com/watch?v=8TVaEGeaGGc">https://www.youtube.com/watch?v=8TVaEGeaGGc</a>	
	4	Algorithm Design Techniques, Greedy Technique, Divide-n-Conquer	VIDEO	<a href="https://www.youtube.com/watch?v=PfEmF07S4hw">https://www.youtube.com/watch?v=PfEmF07S4hw</a>	
	5	Dynamic Programming, Backtracking Programming.	VIDEO	<a href="https://www.youtube.com/watch?v=DKCbsiDBN6c">https://www.youtube.com/watch?v=DKCbsiDBN6c</a>	
<b>Database System</b>	1	Introduction to dbms- database , overview, advantage, Architecture,level of abstraction, data independence	VIDEO	<a href="https://youtu.be/mqprM5YUdpg">https://youtu.be/mqprM5YUdpg</a>	
	2	Data models -relational ,hierarchical and network model, ER model, entity ,attributes primary key ,super key	VIDEO	<a href="https://youtu.be/OwQoj3GJfNY">https://youtu.be/OwQoj3GJfNY</a>	
	3	Schema refinement and Normal forms -FD,1NF,2NF,3NF,BCNF,4NF and 5NF	VIDEO	<a href="https://youtu.be/ABwD8IYByfk">https://youtu.be/ABwD8IYByfk</a>	
	4	Function- Join , Relational algebra,calculus algebra,statement query	VIDEO	<a href="https://youtu.be/q_JsgpiuY98">https://youtu.be/q_JsgpiuY98</a>	
	5	DML , DDL Statement	VIDEO	<a href="https://youtu.be/q_JsgpiuY98">https://youtu.be/q_JsgpiuY98</a>	
<b>Calculus</b>	1	Derivatives and its Applications	VIDEO	<a href="https://youtu.be/jR9pFEPeOss">https://youtu.be/jR9pFEPeOss</a>	
	2	Integration and its Applications	VIDEO	<a href="https://youtu.be/qjDE-Pt_aeY">https://youtu.be/qjDE-Pt_aeY</a>	
	3	Partial Derivatives and its Application	VIDEO	<a href="https://youtu.be/_T7rcF1mrIw">https://youtu.be/_T7rcF1mrIw</a>	
<b>E-commerce and Digital Marketing</b>	1	Introduction to E-Commerce and E- Business	VIDEO	<a href="https://youtu.be/qF1FMtT17tQ">https://youtu.be/qF1FMtT17tQ</a>	
	2	Overview of Electronic Payment system	VIDEO	<a href="https://youtu.be/Q5HdOaiNYps">https://youtu.be/Q5HdOaiNYps</a>	
	3	Introduction & origin of Digital Marketing	VIDEO	<a href="https://youtu.be/qF1FMtT17tQ">https://youtu.be/qF1FMtT17tQ</a>	
	4	Social Media Marketing	VIDEO	<a href="https://youtu.be/T2pwcAVonKI">https://youtu.be/T2pwcAVonKI</a>	
	5	Email Marketing	VIDEO	<a href="https://youtu.be/qYzmG_7nx3Y">https://youtu.be/qYzmG_7nx3Y</a>	
	6	Mobile Marketing	VIDEO	<a href="https://youtu.be/mReZr_e700A">https://youtu.be/mReZr_e700A</a>	
	7	Content Marketing	VIDEO	<a href="https://youtu.be/0R_3iarc8IA">https://youtu.be/0R_3iarc8IA</a>	
	8	Search Engine Optimization	VIDEO	<a href="https://youtu.be/xsVTqzratPs">https://youtu.be/xsVTqzratPs</a>	
	9	Search Engine Marketing	VIDEO	<a href="https://youtu.be/yGqYfWVcqI4">https://youtu.be/yGqYfWVcqI4</a>	
	10	Web Analytics	VIDEO	<a href="https://youtu.be/zEUrfmpHXLg">https://youtu.be/zEUrfmpHXLg</a>	
	11	Google Analytics	VIDEO	<a href="https://youtu.be/e6ntvZDErQ4">https://youtu.be/e6ntvZDErQ4</a>	

BATCH : 14BSC - C.S.		Semester : IV		
	Sr.No.	Chapter Name	Content Type	Links
<b>Advance Java</b>	1	Swing		
	2	JDBC		
	3	Servlets		
	4	JSP		
	5	Java Beans		
	6	Struts 2		
	7	JSON		
<b>Computer Networks</b>	1	Introduction Network Models: Introduction to data communication,	VIDEO	<a href="https://www.youtube.com/watch?v=T5ChUVnnkOI">https://www.youtube.com/watch?v=T5ChUVnnkOI</a>
	2	Network Models	VIDEO	<a href="https://www.youtube.com/watch?v=zZtm1NZLdvU">https://www.youtube.com/watch?v=zZtm1NZLdvU</a>
	3	Data and Signals,	VIDEO	<a href="https://www.youtube.com/watch?v=u7Hyvd0NGwc">https://www.youtube.com/watch?v=u7Hyvd0NGwc</a>
	4	Introduction to Physical Layer and Data-Link Layer:	VIDEO	<a href="https://www.youtube.com/watch?v=rKzDbdGhedY">https://www.youtube.com/watch?v=rKzDbdGhedY</a>
	5	Digital Transmission	VIDEO	<a href="https://www.youtube.com/watch?v=3OUU0BS2Evw">https://www.youtube.com/watch?v=3OUU0BS2Evw</a>
	6	Guided Media,	VIDEO	<a href="https://www.youtube.com/watch?v=xHyJNkiGRd8">https://www.youtube.com/watch?v=xHyJNkiGRd8</a>
	7	Switching	VIDEO	<a href="https://www.youtube.com/watch?v=zMn1IeEMk8E">https://www.youtube.com/watch?v=zMn1IeEMk8E</a>
	8	Introduction to Data-Link Layer	VIDEO	<a href="https://www.youtube.com/watch?v=6saJTnisjkk">https://www.youtube.com/watch?v=6saJTnisjkk</a>
	9	Network layer, Transport Layer	VIDEO	<a href="https://www.youtube.com/watch?v=fUCBrd4zLeU">https://www.youtube.com/watch?v=fUCBrd4zLeU</a>
	10	Media Access Control (MAC),	VIDEO	<a href="https://www.youtube.com/watch?v=pmigsEX-lig">https://www.youtube.com/watch?v=pmigsEX-lig</a>
	11	Connecting Devices and Virtual LANs,	VIDEO	<a href="https://www.youtube.com/watch?v=eZ24W5oTU3U">https://www.youtube.com/watch?v=eZ24W5oTU3U</a>
	12	Introduction to Network Layer,	VIDEO	<a href="https://www.youtube.com/watch?v=TsZEHkyJcHg">https://www.youtube.com/watch?v=TsZEHkyJcHg</a>
	13	Unicast Routing	VIDEO	<a href="https://www.youtube.com/watch?v=TPMD_t-qgcE">https://www.youtube.com/watch?v=TPMD_t-qgcE</a>
	14	Transport-Layer Protocols,	VIDEO	<a href="https://www.youtube.com/watch?v=kAty4mKczEg">https://www.youtube.com/watch?v=kAty4mKczEg</a>
<b>Research Methodology</b>	1	Introduction to Research Methodology	VIDEO	<a href="https://youtu.be/1vf8ZvADxfY">https://youtu.be/1vf8ZvADxfY</a>
	2	Defining the Research Problem	VIDEO	<a href="https://youtu.be/93Rio-HOeWQ">https://youtu.be/93Rio-HOeWQ</a>
	3	Formulating a Research Problem	VIDEO	<a href="https://youtu.be/2e2dK5mlvf0">https://youtu.be/2e2dK5mlvf0</a>
	4	The Research Design	VIDEO	<a href="https://youtu.be/m5Q8Pd3s8r0">https://youtu.be/m5Q8Pd3s8r0</a>
	5	Tools for Data Collection	VIDEO	<a href="https://youtu.be/yOU_s0xzc-Y">https://youtu.be/yOU_s0xzc-Y</a>
	6	Sampling Design	VIDEO	<a href="https://youtu.be/KLAEwukvuZs">https://youtu.be/KLAEwukvuZs</a>
	7	Overview of Hypothesis Testing	VIDEO	<a href="https://youtu.be/DlwOTOydeyk">https://youtu.be/DlwOTOydeyk</a>
	8	Technical Writing	VIDEO	<a href="https://youtu.be/Y5WJQzeDpjc">https://youtu.be/Y5WJQzeDpjc</a>
	9	Preparing the Text	VIDEO	<a href="https://www.youtube.com/watch?v=rtO1OLSaGaU">https://www.youtube.com/watch?v=rtO1OLSaGaU</a>
	10	Preparing the Tables and Figures	VIDEO	<a href="https://www.youtube.com/watch?v=axjUhr6Sz8">https://www.youtube.com/watch?v=axjUhr6Sz8</a>
	11	Publishing the Paper	VIDEO	<a href="https://www.youtube.com/watch?v=bnESU9dBAaM">https://www.youtube.com/watch?v=bnESU9dBAaM</a>
<b>Theory of Computation</b>	1	Automata Theory	VIDEO	<a href="https://www.youtube.com/watch?v=58N2N7zJGrQ&amp;list=PLBlnK6fEyyqRgp46KUv4ZY69yXmpwKOlev">https://www.youtube.com/watch?v=58N2N7zJGrQ&amp;list=PLBlnK6fEyyqRgp46KUv4ZY69yXmpwKOlev</a>
	2	Formal Languages	VIDEO	<a href="https://www.youtube.com/watch?v=WrzaPNj9OZ4&amp;list=PLBlnK6fEyyqRgp46KUv4ZY69yXmpwKOlev&amp;index=8">https://www.youtube.com/watch?v=WrzaPNj9OZ4&amp;list=PLBlnK6fEyyqRgp46KUv4ZY69yXmpwKOlev&amp;index=8</a>
	3	Regular Sets and Regular Grammar	VIDEO	<a href="https://www.youtube.com/watch?v=6aRjQNYyZ4s&amp;list=PLBlnK6fEyyqRgp46KUv4ZY69yXmpwKOlev&amp;index=9">https://www.youtube.com/watch?v=6aRjQNYyZ4s&amp;list=PLBlnK6fEyyqRgp46KUv4ZY69yXmpwKOlev&amp;index=9</a>
	4	Context Free Languages	VIDEO	<a href="https://www.youtube.com/watch?v=5_tfVe7ED3g&amp;list=PLBlnK6fEyyqRgp46KUv4ZY69yXmpwKOlev&amp;index=65">https://www.youtube.com/watch?v=5_tfVe7ED3g&amp;list=PLBlnK6fEyyqRgp46KUv4ZY69yXmpwKOlev&amp;index=65</a>
	5	Pushdown Automata	VIDEO	<a href="https://www.youtube.com/watch?v=4ejlAmp_AtW">https://www.youtube.com/watch?v=4ejlAmp_AtW</a>
	6	Linear Bound Automata	VIDEO	<a href="https://www.youtube.com/watch?v=i3c_2c2KFpY">https://www.youtube.com/watch?v=i3c_2c2KFpY</a>
	7	Turing Machines	VIDEO	<a href="https://www.youtube.com/watch?v=PvLaPKPzq2I">https://www.youtube.com/watch?v=PvLaPKPzq2I</a>
	8	Undecidability	VIDEO	<a href="https://www.youtube.com/watch?v=JfX7VK7ocRU">https://www.youtube.com/watch?v=JfX7VK7ocRU</a>
	1	: Introduction to complex numbers		
	2	Scalar-vector multiplication		
	3	Linear systems, homogeneous and otherwise		

<b>Linear Algebra using Python</b>	4	Matrices as vectors,		
	5	Matrix-vector multiplication in terms of dot-products		
	6	Coordinate systems		
	7	Unique representation		
	8	Gaussian elimination:		
	9	Inner Product: T		
<b>Software Engineering</b>	10	Cell Phone and Mobile Device Forensics:		
	1	Introduction To Software Engineering	VIDEO	<a href="https://youtu.be/Lz6kcCAWJeo">https://youtu.be/Lz6kcCAWJeo</a>
	2	Requirement Analysis and System Modeling	VIDEO	<a href="https://youtu.be/JNLRXczA9Y0">https://youtu.be/JNLRXczA9Y0</a>
	3	System Design	VIDEO	<a href="https://youtu.be/sGxgZxwuHzc">https://youtu.be/sGxgZxwuHzc</a>
	4	Software Measurement and Metrics	VIDEO	<a href="https://youtu.be/zU2s_G-jYHc">https://youtu.be/zU2s_G-jYHc</a>
	5	Software Project Management	VIDEO	<a href="https://youtu.be/TYBVAvWkG6M">https://youtu.be/TYBVAvWkG6M</a>
	6	Risk Management	VIDEO	<a href="https://youtu.be/TYBVAvWkG6M">https://youtu.be/TYBVAvWkG6M</a>
	7	Software Quality Assurance	VIDEO	<a href="https://youtu.be/p8SYmtuJv10">https://youtu.be/p8SYmtuJv10</a>
<b>Android Developer</b>	8	Software Testing	VIDEO	<a href="https://youtu.be/BNk7vni-1Bo">https://youtu.be/BNk7vni-1Bo</a>
	1	Introduction to Android		
	2	User Experience		
	3	Adaptive Layouts		
	4	Data Saving		



BATCH : 15BSC - C.S.			Semester : VI	
	Sr. No.	Chapter Name	Content Type	Links
<b>Information Retrieval</b>	1	Introduction to Information Retrieval	VIDEO	<a href="https://www.youtube.com/watch?v=y_AGY6AHDP8&amp;list=PLz_RRnOnUTWETaBcpAMod1evVIT3t8NSH">https://www.youtube.com/watch?v=y_AGY6AHDP8&amp;list=PLz_RRnOnUTWETaBcpAMod1evVIT3t8NSH</a>
	2	Boolean retrieval,	VIDEO	<a href="https://www.youtube.com/watch?v=TIN_02pJU-Y">https://www.youtube.com/watch?v=TIN_02pJU-Y</a>
	3	Link Analysis and Specialized Search	VIDEO	<a href="https://www.youtube.com/watch?v=fL41WSVDunM">https://www.youtube.com/watch?v=fL41WSVDunM</a>
	4	Hadoop & Map Reduce	VIDEO	<a href="https://www.youtube.com/watch?v=aReuLY0YMI">https://www.youtube.com/watch?v=aReuLY0YMI</a>
	5	Web Search Engine	VIDEO	<a href="https://www.youtube.com/watch?v=PnFwdCGmVGO">https://www.youtube.com/watch?v=PnFwdCGmVGO</a>
	6	search engine optimization	VIDEO	<a href="https://www.youtube.com/watch?v=hF515-0Tduk">https://www.youtube.com/watch?v=hF515-0Tduk</a>
	7	XML retrieval	VIDEO	<a href="https://www.youtube.com/watch?v=o6_iSHwiAPM">https://www.youtube.com/watch?v=o6_iSHwiAPM</a>
	8	A vector space model for XML retrieval,	VIDEO	<a href="https://www.youtube.com/watch?v=miDpfOGTjBs">https://www.youtube.com/watch?v=miDpfOGTjBs</a>
<b>Ethical Hacking</b>	1	Information Security : Attacks and Vulnerabilities		
	2	Introduction to information security	VIDEO	<a href="https://youtu.be/BvWvFAS1iP0">https://youtu.be/BvWvFAS1iP0</a> <a href="https://www.youtube.com/watch?v=gx0vIRpdFnc">https://www.youtube.com/watch?v=gx0vIRpdFnc</a>
	3	Types of malware :	VIDEO	<a href="https://www.youtube.com/watch?v=cNVwkLo1Snw">https://www.youtube.com/watch?v=cNVwkLo1Snw</a>
	4	Types of vulnerabilities	VIDEO	<a href="https://www.youtube.com/watch?v=R4ZpzV6XAv8">https://www.youtube.com/watch?v=R4ZpzV6XAv8</a> <a href="https://www.youtube.com/watch?v=m0EHifTgGUU">https://www.youtube.com/watch?v=m0EHifTgGUU</a> <a href="https://youtu.be/DxsmEXicXEE">https://youtu.be/DxsmEXicXEE</a>
	5	Types of attacks and their common prevention mechanisms :	VIDEO	<a href="https://youtu.be/dxgXpF8J0Yg">https://youtu.be/dxgXpF8J0Yg</a> <a href="https://youtu.be/VRD_JEzYvHY">https://youtu.be/VRD_JEzYvHY</a> <a href="https://youtu.be/NDcEOW8r0xc">https://youtu.be/NDcEOW8r0xc</a>
	6	Case-studies	VIDEO	<a href="https://youtu.be/COo4wIYBmlk">https://youtu.be/COo4wIYBmlk</a> <a href="https://youtu.be/-AVn68dGGKc">https://youtu.be/-AVn68dGGKc</a> <a href="https://www.youtube.com/watch?v=E51SZ8aJRQg">https://www.youtube.com/watch?v=E51SZ8aJRQg</a> <a href="https://www.youtube.com/watch?v=RHp44-iqPuw">https://www.youtube.com/watch?v=RHp44-iqPuw</a> <a href="https://www.youtube.com/watch?v=XqJ6eJH5JS4">https://www.youtube.com/watch?v=XqJ6eJH5JS4</a> <a href="https://www.youtube.com/watch?v=ImG3i0KtAI8">https://www.youtube.com/watch?v=ImG3i0KtAI8</a> <a href="https://www.youtube.com/watch?v=L_S6pEp0dM0">https://www.youtube.com/watch?v=L_S6pEp0dM0</a>
	7	Ethical Hacking – I (Introduction and pre-attack)	VIDEO	<a href="https://www.youtube.com/watch?v=GFP3Q4g9PuY">https://www.youtube.com/watch?v=GFP3Q4g9PuY</a> <a href="https://www.youtube.com/watch?v=9K8Xn0y5CU4">https://www.youtube.com/watch?v=9K8Xn0y5CU4</a>
	8	Approach : Planning	VIDEO	<a href="https://www.youtube.com/watch?v=h_BC6QMWDba">https://www.youtube.com/watch?v=h_BC6QMWDba</a> <a href="https://www.youtube.com/watch?v=_s6qDjgCbCE">https://www.youtube.com/watch?v=_s6qDjgCbCE</a> <a href="https://www.youtube.com/watch?v=Z9X1MmJqVX8">https://www.youtube.com/watch?v=Z9X1MmJqVX8</a>
	9	Enterprise strategy	VIDEO	<a href="https://www.youtube.com/watch?v=vcL28zmp9y8">https://www.youtube.com/watch?v=vcL28zmp9y8</a>
	10	Phases	VIDEO	<a href="https://youtu.be/wliqkrYNleU">https://youtu.be/wliqkrYNleU</a>
	11	Ethical Hacking :Enterprise Security	VIDEO	<a href="https://www.youtube.com/watch?v=YBfVucOsIHA">https://www.youtube.com/watch?v=YBfVucOsIHA</a>
	12	Phases : Gaining and Maintaining Access : Systems hacking –	VIDEO	<a href="https://www.youtube.com/watch?v=UhrCluTOA0">https://www.youtube.com/watch?v=UhrCluTOA0</a>
	13	Applications hacking	VIDEO	<a href="https://www.youtube.com/watch?v=IlktXW2_5oQ">https://www.youtube.com/watch?v=IlktXW2_5oQ</a>
	14	Malware analysis :	VIDEO	<a href="https://www.youtube.com/watch?v=sBuxwMAfGnI">https://www.youtube.com/watch?v=sBuxwMAfGnI</a>
	15	Phases : Covering your tracks :	VIDEO	<a href="https://www.youtube.com/watch?v=llfik00mig">https://www.youtube.com/watch?v=llfik00mig</a>
	16	Additional Security Mechanisms	VIDEO	<a href="https://www.youtube.com/watch?v=AwIoQNw0IXs">https://www.youtube.com/watch?v=AwIoQNw0IXs</a> <a href="https://www.youtube.com/watch?v=4eExIL_TCBU">https://www.youtube.com/watch?v=4eExIL_TCBU</a>
<b>Cyber Forensic</b>	1	Computer Forensics :		
	2	Network Forensic :		
	3	Cell Phone and Mobile Device Forensics		
	4	Internet Forensic :		
	5	Social Media Forensics		
	6	Browser Forensics		
	7	Investigation, Evidence presentation and Legal aspects of Digital Forensics:		
	8	Introduction to Legal aspects of Digital Forensics		
	1	Introduction	VIDEO	<a href="https://www.youtube.com/watch?v=PrnNKZJj-Oc">https://www.youtube.com/watch?v=PrnNKZJj-Oc</a>

<b>Wireless Sensor Networks and Mobile Communication</b>	2	Sensor Node Hardware and Network Architecture	VIDEO	<a href="https://www.youtube.com/watch?v=KbSELCUI4Ik">https://www.youtube.com/watch?v=KbSELCUI4Ik</a>
	3	Medium Access Control Protocols	VIDEO	<a href="https://www.youtube.com/watch?v=G0h0dC4Zyys">https://www.youtube.com/watch?v=G0h0dC4Zyys</a>
	4	Routing Protocols	VIDEO	<a href="https://www.youtube.com/watch?v=1VCsGd82gAA">https://www.youtube.com/watch?v=1VCsGd82gAA</a>
	5	Transport Control Protocols	VIDEO	<a href="https://www.youtube.com/watch?v=utvvkyRgOhw">https://www.youtube.com/watch?v=utvvkyRgOhw</a>
	6	Introduction, Wireless Transmission and Medium Access Control	VIDEO	<a href="https://www.youtube.com/watch?v=Q9nez9IMC3M">https://www.youtube.com/watch?v=Q9nez9IMC3M</a>
	7	Wireless Transmission	VIDEO	<a href="https://www.youtube.com/watch?v=oo7pOFu_wSU">https://www.youtube.com/watch?v=oo7pOFu_wSU</a>
	8	Telecommunication, Satellite and Broadcast Systems	VIDEO	<a href="https://www.youtube.com/watch?v=xIBK-nyobQw">https://www.youtube.com/watch?v=xIBK-nyobQw</a>
	9	GSM	VIDEO	<a href="https://www.youtube.com/watch?v=qDwNvDfKjc">https://www.youtube.com/watch?v=qDwNvDfKjc</a>
	<b>Digital Image Processing</b>	1	Introduction to Image-processing System	VIDEO
2		2D Signals and Systems	VIDEO	<a href="https://youtu.be/iWHlv6kQ1Ag">https://youtu.be/iWHlv6kQ1Ag</a>
3		Convolution and Correlation	VIDEO	<a href="https://youtu.be/2OW2aLFaV8A">https://youtu.be/2OW2aLFaV8A</a>
4		Image Transforms	VIDEO	<a href="https://youtu.be/Yd6QISby8kk">https://youtu.be/Yd6QISby8kk</a>
5		Image Enhancement	VIDEO	<a href="https://youtu.be/Yd6QISby8kk">https://youtu.be/Yd6QISby8kk</a>
6		Binary Image processing	VIDEO	<a href="https://youtu.be/COxRYLrscc">https://youtu.be/COxRYLrscc</a>
7		Colour Image processing	VIDEO	<a href="https://youtu.be/-ZQbprf778k">https://youtu.be/-ZQbprf778k</a>
8		Image Segmentation	VIDEO	<a href="https://youtu.be/RsJA3OUN1ZY">https://youtu.be/RsJA3OUN1ZY</a>
9		Image Compression	VIDEO	<a href="https://youtu.be/LXGxK2b1mv4">https://youtu.be/LXGxK2b1mv4</a>