

E-RESOURCES

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

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

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

BATCH: 15BSC - C.S.		Semester : V		
	Sr.No.	Chapter Name	Content Type	Links
Software Testing	1	Software Testing Introduction, Techniques, Verification And Validation	VIDEO	https://www.youtube.com/watch?v=T3q6QcCQZQg&t=3s
	2	Software Testing Strategies, Matrices, Defect Management	VIDEO	https://www.youtube.com/watch?v=6rNgpPXz9A9s
	3	Software Quality Assurance, Quality Improvement, Quality Cost	VIDEO	https://www.youtube.com/watch?v=XiCOWh_psSI
Web Services	1	Internet Service	VIDEO	https://youtu.be/lhoA5AO3-FE
	2	Intranet Service	VIDEO	https://youtu.be/Lr1AgUYcKvM
	3	Web Services Basics	VIDEO	https://www.youtube.com/watch?v=MUq_RkG7De0
	4	Rest Architectural Style	VIDEO	introduction-to-rest-rg6VK
	5	Developing Service-Oriented Applications With Wcf	VIDEO	https://www.youtube.com/watch?v=vI01FSA0wsg
Game Programming	1	Gp Index And About Software	VIDEO	https://www.youtube.com/watch?v=OIMw3WJT7wc
	2	Cartesian Coordinate System And Vectors	VIDEO	https://www.youtube.com/watch?v=8dR_o7LdKw
	3	Transformations And Direct X	VIDEO	watch?v=wI8vbXA_ZW4
	4	Transformations And Direct X	VIDEO	https://www.youtube.com/watch?v=ljMHFbRcWX4
	5	Direct3D 11 Rendering Pipeline	VIDEO	https://www.youtube.com/watch?v=OPTBOX1HHIo
	6	Interpolation And Character Animation	VIDEO	https://youtu.be/quxPu_7sFFc
	7	Introduction To Rendering Engines	VIDEO	Introduction to Rendering Game Engine series - YouTube
	8	Unity Engine - Multi-Platform Publishing Vr+Ar	VIDEO	https://www.youtube.com/watch?v=WzfDo2Wpxks
	9	Scripting	VIDEO	https://www.youtube.com/watch?v=bYB26O3YWwE
	10	Xr	VIDEO	https://www.youtube.com/watch?v=qKDzZd0sjxQ
Information & Network Security	1	Introduction	VIDEO	https://london.ac.uk/sites/default/files/study-guides/computer-security.pdf
	2	Classical Encryption Techniques	VIDEO	GoLC2wFGruY_E2gYtev&index=2
	3	Public-Key Cryptography And Rsa	VIDEO	GoLC2wFGruY_E2gYtev&index=25
	4	Key Management	VIDEO	https://www.geeksforgeeks.org/easy-key-management-in-cryptography/
	5	Message Authentication And Hash Functions	VIDEO	uGoLC2wFGruY_E2gYtev&index=36
	6	Digital Signatures And Authentication	VIDEO	zY&list=PLJ5C_6qdAvBFauGoLC2wFGruY_E2gYtev&index=37
	7	Authentication Applications	VIDEO	ecuritypractice.pdf
	8	Electronic Mail Security	VIDEO	https://www.tutorialspoint.com/internet_technologies/e_mail_security.htm
	9	Ip Security	VIDEO	https://www.youtube.com/watch?v=XsgVqrcP32U
	10	Web Security	VIDEO	https://www.youtube.com/watch?v=tH5BXm_rVSg
	11	Intrusion	VIDEO	https://www.youtube.com/watch?v=uBED_MVV6Bc
	12	Malicious Software	VIDEO	https://www.youtube.com/watch?v=LJcF3bw25qE
	13	Firewalls	VIDEO	https://www.youtube.com/watch?v=9GZIV0afYTg
Linux Server	1	UNIT 1		
	2	Introduction:	VIDEO	https://www.youtube.com/watch?v=V1y-mbWM3B8
	3	Single-Host Administration:	VIDEO	https://www.youtube.com/watch?v=v_1zB2WNN14
	4		VIDEO	
	5	Managing Users and Groups,	VIDEO	https://www.youtube.com/watch?v=uf_xTVwGsUc
	6	Booting and shutting down processes,	VIDEO	https://www.youtube.com/watch?v=FeQGe8_x0yE
	7	File Systems,	VIDEO	https://www.youtube.com/watch?v=2gyKkgguyxE
	8	Core System Services,	VIDEO	
	9	Process of configuring,	VIDEO	https://www.youtube.com/watch?v=WMy3OzvBWc0
	10	Networking and Security:	VIDEO	https://www.youtube.com/results?search_query=Networking+and+Security%3A%2C+in+linux
	11	TCP/IP for System Administrators,	VIDEO	https://www.youtube.com/watch?v=GHbq4xpo2gA
	12	basic network Configuration,	VIDEO	https://www.youtube.com/watch?v=03_pzKB3hQs
	13	Linux Firewall	VIDEO	https://www.youtube.com/watch?v=XtRXm4FFK7Q
	14	System and network security	VIDEO	https://www.youtube.com/watch?v=6Jub11UnJTE
	15	UNIT 4	VIDEO	
	16	Internet Services:	VIDEO	https://www.youtube.com/watch?v=oYU_Eh9IyFA
	17	Domain Name System (DNS),	VIDEO	https://www.youtube.com/watch?v=FeZjRF-aVlc
	18	File Transfer Protocol (FTP),	VIDEO	https://www.youtube.com/watch?v=62xfSWBxBxU
	19	Apache web server,	VIDEO	https://www.youtube.com/watch?v=q8Jj4aAWYw

Administration

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