

## E-RESOURCES

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BATCH: 13BSC - I.T.				Semester : I
Subject Name	Sr.No.	Chapter Name	Content Type	Links
<b>Programming Principles with C</b>	1	<b>UNIT 1</b>		
	2	Introduction:	VIDEO	<a href="https://www.youtube.com/watch?v=si-KFFOW2gw">https://www.youtube.com/watch?v=si-KFFOW2gw</a>
	3	Algorithms	VIDEO	<a href="https://www.youtube.com/watch?v=DF2XAc07eI0">https://www.youtube.com/watch?v=DF2XAc07eI0</a>
	4	History of C	VIDEO	<a href="https://www.youtube.com/watch?v=aN_mEJKr0G4">https://www.youtube.com/watch?v=aN_mEJKr0G4</a>
	5	Structure of C Program	VIDEO	<a href="https://www.youtube.com/watch?v=HucJhUkDJuk">https://www.youtube.com/watch?v=HucJhUkDJuk</a>
	6	Program Characteristics	VIDEO	<a href="https://www.youtube.com/watch?v=wRD3B_aUifU">https://www.youtube.com/watch?v=wRD3B_aUifU</a>
	7	Compiler	VIDEO	<a href="https://www.youtube.com/watch?v=qcEBXrqFLe8">https://www.youtube.com/watch?v=qcEBXrqFLe8</a>
	8	Linker and preprocessor	VIDEO	<a href="https://www.youtube.com/watch?v=UOccykZ6FPE">https://www.youtube.com/watch?v=UOccykZ6FPE</a>
	9	pseudo code statements and flowchart symbols	VIDEO	<a href="https://www.youtube.com/watch?v=nG_2fCijK8U">https://www.youtube.com/watch?v=nG_2fCijK8U</a>
	10	Desirable program characteristics	VIDEO	<a href="https://www.youtube.com/watch?v=wRD3B_aUifU">https://www.youtube.com/watch?v=wRD3B_aUifU</a>
	11	Program structure	VIDEO	<a href="https://www.youtube.com/watch?v=HucJhUkDJuk">https://www.youtube.com/watch?v=HucJhUkDJuk</a>
	12	Compilation and Execution of a Program	VIDEO	<a href="https://www.youtube.com/watch?v=Whv0B1J75jQ">https://www.youtube.com/watch?v=Whv0B1J75jQ</a>
	13	C Character Set	VIDEO	<a href="https://www.youtube.com/watch?v=2mmAYDvRsBE">https://www.youtube.com/watch?v=2mmAYDvRsBE</a>
	14	identifiers and keywords	VIDEO	<a href="https://www.youtube.com/watch?v=ykpMknTGxfl">https://www.youtube.com/watch?v=ykpMknTGxfl</a>
	15	data types and sizes	VIDEO	<a href="https://www.youtube.com/watch?v=wnbzTjWr5gY">https://www.youtube.com/watch?v=wnbzTjWr5gY</a>
	16	constants and its types	VIDEO	<a href="https://www.youtube.com/watch?v=6gVT64lk764">https://www.youtube.com/watch?v=6gVT64lk764</a>
	17	variables	VIDEO	<a href="https://www.youtube.com/watch?v=Es0OziaqaOY">https://www.youtube.com/watch?v=Es0OziaqaOY</a>
	18	Character and character strings	VIDEO	<a href="https://www.youtube.com/watch?v=AW3m7kdWvI8">https://www.youtube.com/watch?v=AW3m7kdWvI8</a>
	19	typecasting	VIDEO	<a href="https://www.youtube.com/watch?v=zM25fFXkTzc">https://www.youtube.com/watch?v=zM25fFXkTzc</a>
	20	<b>UNIT 2</b>		
	21	Type of operators:	VIDEO	<a href="https://www.youtube.com/watch?v=50Pb27JoUrw">https://www.youtube.com/watch?v=50Pb27JoUrw</a>
	22	Assignment operators and expression	VIDEO	<a href="https://www.youtube.com/watch?v=Hcb3M5QvFA8">https://www.youtube.com/watch?v=Hcb3M5QvFA8</a>
	23	Precedence and order of Evaluation	VIDEO	<a href="https://www.youtube.com/watch?v=LZrst9KPPbE">https://www.youtube.com/watch?v=LZrst9KPPbE</a>
	24	Block Structure	VIDEO	<a href="https://www.youtube.com/watch?time_continue=1&amp;v=UUB60bdCPyo&amp;feature=emb_logo">https://www.youtube.com/watch?time_continue=1&amp;v=UUB60bdCPyo&amp;feature=emb_logo</a>
	25	Initialization	VIDEO	<a href="https://www.youtube.com/watch?v=z8BDewWifpg">https://www.youtube.com/watch?v=z8BDewWifpg</a>
	26	C Preprocessor Control Flow:	VIDEO	<a href="https://www.youtube.com/watch?v=t5JtyDIESns">https://www.youtube.com/watch?v=t5JtyDIESns</a>
	27	Statements and Blocks	VIDEO	<a href="https://www.youtube.com/watch?v=ou2ZYkol4NI">https://www.youtube.com/watch?v=ou2ZYkol4NI</a>
	28	Break and Continue	VIDEO	<a href="https://www.programiz.com/c-programming/c-break-continue-statement">https://www.programiz.com/c-programming/c-break-continue-statement</a>
	29	Goto and Labels	VIDEO	<a href="https://www.youtube.com/watch?v=msbzFUQ4LrQ&amp;t=438s">https://www.youtube.com/watch?v=msbzFUQ4LrQ&amp;t=438s</a>
	30	<b>UNIT 3</b>		
	31	Functions and Program Structure	VIDEO	<a href="https://www.youtube.com/watch?v=-NbLKVOK0JQ">https://www.youtube.com/watch?v=-NbLKVOK0JQ</a>
	32	Return values	VIDEO	<a href="https://www.youtube.com/watch?v=lc0iB1cyb28">https://www.youtube.com/watch?v=lc0iB1cyb28</a>

33	Recursion External variables	VIDEO	<a href="https://www.youtube.com/watch?v=kepBmgvWNDw">https://www.youtube.com/watch?v=kepBmgvWNDw</a>
34	Scope Rules	VIDEO	<a href="https://www.youtube.com/watch?v=MUZ_PLr1p7g">https://www.youtube.com/watch?v=MUZ_PLr1p7g</a>
35	Standard Input and Output	VIDEO	<a href="https://www.youtube.com/watch?v=MEBsE_BFdR8">https://www.youtube.com/watch?v=MEBsE_BFdR8</a>
36	Error Handling- StdErr and Exit	VIDEO	<a href="https://www.youtube.com/watch?v=UnJXL7oaP00">https://www.youtube.com/watch?v=UnJXL7oaP00</a>
37	Header Files	VIDEO	<a href="https://www.youtube.com/watch?v=qmd5sVF0gpg">https://www.youtube.com/watch?v=qmd5sVF0gpg</a>
38	<b>UNIT 4</b>		
39	Pointer and Addresses	VIDEO	<a href="https://www.youtube.com/watch?v=mw1qsMieK5c">https://www.youtube.com/watch?v=mw1qsMieK5c</a>
40	Address Arithmetic	VIDEO	<a href="https://www.youtube.com/watch?v=EQycVyNOTL8">https://www.youtube.com/watch?v=EQycVyNOTL8</a>
41	Character Pointers and Functions	VIDEO	<a href="https://www.youtube.com/watch?v=rN5spQeMR4U">https://www.youtube.com/watch?v=rN5spQeMR4U</a>
42	Pointer Arrays:	VIDEO	<a href="https://www.youtube.com/watch?v=ASVB8KAFypk">https://www.youtube.com/watch?v=ASVB8KAFypk</a>
43	Pointers and Functions	VIDEO	<a href="https://www.youtube.com/watch?v=BRsv3ZXoHto">https://www.youtube.com/watch?v=BRsv3ZXoHto</a>
44	Multidimensional Array	VIDEO	<a href="https://www.youtube.com/watch?v=36z4qgN3GWW">https://www.youtube.com/watch?v=36z4qgN3GWW</a>
45	Command-line Arguments	VIDEO	<a href="https://www.youtube.com/watch?v=JArmogmRCcg">https://www.youtube.com/watch?v=JArmogmRCcg</a>
46	Pointers to Functions	VIDEO	<a href="https://www.youtube.com/watch?v=qaszuaFXRTA">https://www.youtube.com/watch?v=qaszuaFXRTA</a>
47	Dynamic memory allocation	VIDEO	<a href="https://www.youtube.com/watch?v=udfbq4M2Kfc">https://www.youtube.com/watch?v=udfbq4M2Kfc</a>
48	<b>UNIT 5</b>		
49	Basics of structures	VIDEO	<a href="https://www.youtube.com/watch?v=zmRxC7gYw-g">https://www.youtube.com/watch?v=zmRxC7gYw-g</a>
50	Structures and Functions	VIDEO	<a href="https://www.youtube.com/watch?v=16P51oIkuzk">https://www.youtube.com/watch?v=16P51oIkuzk</a>
51	Arrays of Structures	VIDEO	<a href="https://www.youtube.com/watch?v=OuOlrC1WYPo">https://www.youtube.com/watch?v=OuOlrC1WYPo</a>
52	Pointers to Structures	VIDEO	<a href="https://www.youtube.com/watch?v=f0Uw1x8albM">https://www.youtube.com/watch?v=f0Uw1x8albM</a>
53	Unions	VIDEO	<a href="https://www.youtube.com/watch?v=oySsPUDr35U">https://www.youtube.com/watch?v=oySsPUDr35U</a>
54	Bit-fields	VIDEO	<a href="https://www.youtube.com/watch?v=RQPTzcsaPG0">https://www.youtube.com/watch?v=RQPTzcsaPG0</a>
55	File management in C:	VIDEO	<a href="https://www.youtube.com/watch?v=S1YIosjYmeg">https://www.youtube.com/watch?v=S1YIosjYmeg</a>
56	Error handling in C	VIDEO	<a href="https://www.youtube.com/watch?v=vnmSRt4OnG0">https://www.youtube.com/watch?v=vnmSRt4OnG0</a>
57	Random access to files	VIDEO	<a href="https://www.youtube.com/watch?v=GMV_sli6XiY">https://www.youtube.com/watch?v=GMV_sli6XiY</a>
58	Command line arguments.	VIDEO	<a href="https://www.youtube.com/watch?v=Ww1yFSz8SDg">https://www.youtube.com/watch?v=Ww1yFSz8SDg</a>
1	<b>UNIT 1</b>		
2	Digital Systems and Binary numbers	VIDEO	<a href="https://www.youtube.com/watch?v=crSGS1uBSNQ">youtube.com/watch?v=crSGS1uBSNQ</a>
3	Introduction to Number systems	VIDEO	<a href="https://www.youtube.com/watch?v=shorturl.at/DMRX8">shorturl.at/DMRX8</a>
4	Positional Number systems	VIDEO	<a href="https://www.youtube.com/watch?v=RMDckxtjp0E">https://www.youtube.com/watch?v=RMDckxtjp0E</a>
5	Conversions (converting between bases)	VIDEO	<a href="https://www.youtube.com/watch?v=hIs3A6gGz2w">https://www.youtube.com/watch?v=hIs3A6gGz2w</a>
6	Unsigned and Signed binary numbers	VIDEO	<a href="https://www.youtube.com/watch?v=miwMEUfkqfY">https://www.youtube.com/watch?v=miwMEUfkqfY</a>
7	Binary Codes	VIDEO	<a href="https://www.youtube.com/watch?v=wgbV6DLVezo">https://www.youtube.com/watch?v=wgbV6DLVezo</a>
8	Number representation and storage in computer system	VIDEO	<a href="https://www.youtube.com/watch?v=3fCcxFBWQCo">https://www.youtube.com/watch?v=3fCcxFBWQCo</a>
9	Logic gates and Logic Circuits	VIDEO	<a href="https://www.youtube.com/watch?v=AT_GjUjNFpo">https://www.youtube.com/watch?v=AT_GjUjNFpo</a>
10	Basic and Universal Gates	VIDEO	<a href="https://www.youtube.com/watch?v=AVW47H_Q1Os">https://www.youtube.com/watch?v=AVW47H_Q1Os</a>
11	<b>UNIT 2</b>		
12	Boolean algebra and Gate level minimization	VIDEO	<a href="https://www.youtube.com/watch?v=WW-NPtIzHwk">https://www.youtube.com/watch?v=WW-NPtIzHwk</a>
13	Introduction	VIDEO	<a href="https://www.youtube.com/watch?v=c51z5yequQA">https://www.youtube.com/watch?v=c51z5yequQA</a>
14	Postulates of Boolean Algebra	VIDEO	<a href="https://www.youtube.com/watch?v=atA_pGcJdcA">https://www.youtube.com/watch?v=atA_pGcJdcA</a>
15	Principle of Duality	VIDEO	<a href="https://www.youtube.com/watch?v=b_KpV--c_n8">https://www.youtube.com/watch?v=b_KpV--c_n8</a>
16	Basic Theorems of Boolean Algebra	VIDEO	<a href="https://www.youtube.com/watch?v=-KhNMc3VdjY">youtube.com/watch?v=-KhNMc3VdjY</a>

<b>Digital Logic and Applications</b>	17	Boolean Functions and their Representation	VIDEO	<a href="https://www.youtube.com/watch?v=DX8nvHatQCI">https://www.youtube.com/watch?v=DX8nvHatQCI</a>
	18	Gate-Level Minimization (Simplification of Boolean Function)	VIDEO	<a href="https://www.youtube.com/watch?v=prmlj_RjyJ4c">https://www.youtube.com/watch?v=prmlj_RjyJ4c</a>
	19	QuineMcCluskey Method	VIDEO	<a href="https://www.youtube.com/watch?v=I1jgq0R5EwQ">https://www.youtube.com/watch?v=I1jgq0R5EwQ</a>
	20	<b>UNIT 3</b>		
	21	Combinational logic	VIDEO	<a href="https://www.youtube.com/watch?v=SzV4l0_1MCQ">https://www.youtube.com/watch?v=SzV4l0_1MCQ</a>
	23	Analysis and Design Procedure for Combinational Logic Circuits	VIDEO	<a href="https://www.youtube.com/watch?v=j5NDEwFdMwE">https://www.youtube.com/watch?v=j5NDEwFdMwE</a>
	24	Types of Combinational Circuit	VIDEO	<a href="https://www.youtube.com/watch?v=SzV4l0_1MCQ&amp;t=9s">https://www.youtube.com/watch?v=SzV4l0_1MCQ&amp;t=9s</a>
	25	<b>UNIT 4</b>		
	26	Sequential circuits	VIDEO	<a href="https://www.youtube.com/watch?v=v0pxOfTg18Y">https://www.youtube.com/watch?v=v0pxOfTg18Y</a>
	28	Latch	VIDEO	<a href="https://www.youtube.com/watch?v=qZpebtp8W7I">https://www.youtube.com/watch?v=qZpebtp8W7I</a>
	29	Flip-Flops	VIDEO	<a href="https://www.youtube.com/watch?v=IrCP1ASyhdE">https://www.youtube.com/watch?v=IrCP1ASyhdE</a>
	30	Registers	VIDEO	<a href="https://www.youtube.com/watch?v=-paFaxtTCKI">https://www.youtube.com/watch?v=-paFaxtTCKI</a>
	31	Counters	VIDEO	<a href="https://www.youtube.com/watch?v=iaIu5SYmWVM">https://www.youtube.com/watch?v=iaIu5SYmWVM</a>
	32	<b>UNIT 5</b>		
	33	Applications	VIDEO	<a href="https://www.youtube.com/watch?v=cgmVXbkFFVc">https://www.youtube.com/watch?v=cgmVXbkFFVc</a>
	34	Bit Arithmetic and Logic unit	VIDEO	<a href="https://www.youtube.com/watch?v=MJi2jHYM-EY">https://www.youtube.com/watch?v=MJi2jHYM-EY</a>
	35	Carry lookahead generator	VIDEO	<a href="https://www.youtube.com/watch?v=6Zl1WikEWxH0">https://www.youtube.com/watch?v=6Zl1WikEWxH0</a>
36	Binary Multiplication and Division algorithm	VIDEO	<a href="https://www.youtube.com/watch?v=GgKauzngY9c">https://www.youtube.com/watch?v=GgKauzngY9c</a>	
37	Booth's multiplication algorithm	VIDEO	<a href="https://www.youtube.com/watch?v=bySS-b--W6g">https://www.youtube.com/watch?v=bySS-b--W6g</a>	
<b>Fundamentals of Database Management Systems</b>	1	<b>UNIT 1</b>		
	2	Database system concept and Architecture	VIDEO	<a href="https://www.youtube.com/watch?v=CYmLMFhuIWE">https://www.youtube.com/watch?v=CYmLMFhuIWE</a>
	3	Relational model and Relational database constraints	VIDEO	<a href="https://www.youtube.com/watch?v=uPOGPL2C0_8">https://www.youtube.com/watch?v=uPOGPL2C0_8</a>
	4	Relational Algebra	VIDEO	<a href="https://www.youtube.com/watch?v=8PJGw123zeE">https://www.youtube.com/watch?v=8PJGw123zeE</a>
	5	<b>UNIT 2</b>		
	6	Conceptual modelling and database design	VIDEO	<a href="https://www.youtube.com/watch?v=7m6gXeMDaHc">https://www.youtube.com/watch?v=7m6gXeMDaHc</a>
	7	Data modelling using the Entity Relationship model (ER)	VIDEO	<a href="https://www.youtube.com/watch?v=wOD02sezmx8">https://www.youtube.com/watch?v=wOD02sezmx8</a>
	8	The enhanced entity relationship model	VIDEO	<a href="https://www.youtube.com/watch?v=n3mHFQft5P8">https://www.youtube.com/watch?v=n3mHFQft5P8</a>
	9	Relational database design by ER and EER model	VIDEO	<a href="https://www.youtube.com/watch?v=zNt-tuVkrzY">https://www.youtube.com/watch?v=zNt-tuVkrzY</a>
	10	<b>UNIT 3</b>		
	11	Database Design theory and normalization	VIDEO	<a href="https://www.youtube.com/watch?v=xoTyrdT9SZI">https://www.youtube.com/watch?v=xoTyrdT9SZI</a>
	12	Basics of functional dependencies and normalization for relational databases	VIDEO	<a href="https://www.youtube.com/watch?v=gqYQmYr1teg">https://www.youtube.com/watch?v=gqYQmYr1teg</a>
	13	Relational database design and further dependencies	VIDEO	<a href="https://www.youtube.com/watch?v=_DZqyEflgSo">https://www.youtube.com/watch?v=_DZqyEflgSo</a>
	14	Introduction to SQL	VIDEO	<a href="https://www.youtube.com/watch?v=HvnSKGEI9sY">https://www.youtube.com/watch?v=HvnSKGEI9sY</a>
	15	Complex queries, triggers	VIDEO	<a href="https://www.youtube.com/watch?v=f6VWSlnHGCE">https://www.youtube.com/watch?v=f6VWSlnHGCE</a>
	16	views	VIDEO	<a href="https://www.youtube.com/watch?v=QngqhdLd1SE">https://www.youtube.com/watch?v=QngqhdLd1SE</a>
	17	joining database tables and schema modification	VIDEO	<a href="https://www.youtube.com/watch?v=bLL5NbbEg2I">https://www.youtube.com/watch?v=bLL5NbbEg2I</a>
	18	Query Processing and optimization	VIDEO	<a href="https://www.youtube.com/watch?v=Sn_Wkf9KNEg">https://www.youtube.com/watch?v=Sn_Wkf9KNEg</a>
	19	File structure	VIDEO	<a href="https://www.youtube.com/watch?v=1IWtpmIniHQ">https://www.youtube.com/watch?v=1IWtpmIniHQ</a>
	20	hashing and indexing	VIDEO	<a href="https://www.youtube.com/watch?v=PYsA4xTL3e4">https://www.youtube.com/watch?v=PYsA4xTL3e4</a>
	21	<b>UNIT 4</b>		
	22	Transaction management and concurrency control and recovery:	VIDEO	<a href="https://www.youtube.com/watch?v=8HoSnV844CM">https://www.youtube.com/watch?v=8HoSnV844CM</a>
	23	Introduction to transaction processing concepts and theory	VIDEO	<a href="https://www.youtube.com/watch?v=t5hsV9IC1rU">https://www.youtube.com/watch?v=t5hsV9IC1rU</a>

	24	Concurrency control technique. Database recovery technique.	VIDEO	<a href="https://www.youtube.com/watch?v=i7LNUio7kvw">https://www.youtube.com/watch?v=i7LNUio7kvw</a>
<b>Computational Logic and Discrete Structure</b>		<b>UNIT 1</b>		
	1	Set Theory	VIDEO	<a href="https://www.youtube.com/watch?v=QMutqqG7CJE">https://www.youtube.com/watch?v=QMutqqG7CJE</a>
	2	Relations	VIDEO	<a href="https://www.youtube.com/watch?v=5F-xB5NupAE">https://www.youtube.com/watch?v=5F-xB5NupAE</a>
		<b>UNIT 2</b>		
	3	Functions and Algorithms	VIDEO	<a href="https://www.youtube.com/watch?v=CclqErMJ-38">https://www.youtube.com/watch?v=CclqErMJ-38</a>
	4	Probability	VIDEO	<a href="https://www.youtube.com/watch?v=cqK3uRoPtk0">https://www.youtube.com/watch?v=cqK3uRoPtk0</a>
		<b>UNIT 3</b>		
	5	Techniques of Counting	VIDEO	<a href="https://www.youtube.com/watch?v=xaxt-zNIRrg">https://www.youtube.com/watch?v=xaxt-zNIRrg</a>
	6	Advanced Counting Techniques, Recursion	VIDEO	<a href="https://www.youtube.com/watch?v=xaxt-zNIRrg">https://www.youtube.com/watch?v=xaxt-zNIRrg</a>
		<b>UNIT 4</b>		
	7	Graph Theory	VIDEO	<a href="https://www.youtube.com/watch?v=HipVU5vz3Q8">https://www.youtube.com/watch?v=HipVU5vz3Q8</a>
	8	Directed Graphs	VIDEO	<a href="https://www.youtube.com/watch?v=StJCx7u0PIw">https://www.youtube.com/watch?v=StJCx7u0PIw</a>
		<b>UNIT 5</b>		
	9	Binary Trees	VIDEO	<a href="https://www.youtube.com/watch?v=L_JuQ5ayPmc">https://www.youtube.com/watch?v=L_JuQ5ayPmc</a>
	10	Ordered Sets and Lattices	VIDEO	<a href="https://www.youtube.com/watch?v=h5Lv5ZeNI0g">https://www.youtube.com/watch?v=h5Lv5ZeNI0g</a>
<b>Technical Communication Skills</b>	1	Fundamentals of Technical Communication	VIDEO	<a href="https://www.youtube.com/watch?v=K2jGcTsj_Rs">https://www.youtube.com/watch?v=K2jGcTsj_Rs</a>
	2	The Seven Cs of Effective Communication:	VIDEO	<a href="https://www.youtube.com/watch?v=wdYnnhkXFNg">https://www.youtube.com/watch?v=wdYnnhkXFNg</a>
	3	Active Listening	VIDEO	<a href="https://www.youtube.com/watch?v=EyPwKwVhyw4">https://www.youtube.com/watch?v=EyPwKwVhyw4</a>
	4	Business writing	VIDEO	<a href="https://www.youtube.com/watch?v=pwObCVmTD8E">https://www.youtube.com/watch?v=pwObCVmTD8E</a>
	5	Communication across Functional areas	VIDEO	<a href="https://www.youtube.com/watch?v=8P8yoEiPYCE">https://www.youtube.com/watch?v=8P8yoEiPYCE</a>

BATCH: 14BSC - I.T.				Semester : III
Subject Name	Sr.No.	Chapter Name	Content Type	Links
Python Programming	1	Introduction	VIDEO	<a href="https://www.youtube.com/watch?v=rfscVS0vtbw">https://www.youtube.com/watch?v=rfscVS0vtbw</a>
	2	Functions and Strings	VIDEO	<a href="https://www.youtube.com/watch?v=rfscVS0vtbw">https://www.youtube.com/watch?v=rfscVS0vtbw</a>
	3	List Tuple Dictionaries and files	VIDEO	<a href="https://www.youtube.com/watch?v=rfscVS0vtbw">https://www.youtube.com/watch?v=rfscVS0vtbw</a>
	4	Regular Expressions	VIDEO	<a href="https://www.youtube.com/watch?v=rfscVS0vtbw">https://www.youtube.com/watch?v=rfscVS0vtbw</a>
	5	Creating GUL from addind widgets	VIDEO	<a href="https://www.youtube.com/watch?v=rfscVS0vtbw">https://www.youtube.com/watch?v=rfscVS0vtbw</a>
Applied Mathematics	1	Matrices	VIDEO	<a href="https://www.youtube.com/watch?v=gdMfFdg6RNk">https://www.youtube.com/watch?v=gdMfFdg6RNk</a> <a href="https://www.youtube.com/watch?v=ZX5YnDMzwbs">https://www.youtube.com/watch?v=ZX5YnDMzwbs</a>
	2	Complex Numbers	VIDEO	<a href="https://www.youtube.com/watch?v=p48UrF-12LA">https://www.youtube.com/watch?v=p48UrF-12LA</a> <a href="https://www.youtube.com/watch?v=O6zMdYUqv5A">https://www.youtube.com/watch?v=O6zMdYUqv5A</a>
	3	Equation of the first order and of the first degree	VIDEO	<a href="https://www.youtube.com/watch?v=suvzwN2Df7k">https://www.youtube.com/watch?v=suvzwN2Df7k</a> <a href="https://www.youtube.com/watch?v=updbp77UVwg">https://www.youtube.com/watch?v=updbp77UVwg</a>
	4	Differential equation of the first order or a degree higher than the first	VIDEO	<a href="https://www.youtube.com/watch?v=FIIPGyW05wg">https://www.youtube.com/watch?v=FIIPGyW05wg</a>
	5	Linear Differential Equations with Constant Coefficients:	VIDEO	<a href="https://www.youtube.com/watch?v=W9sPpQoiB0M">https://www.youtube.com/watch?v=W9sPpQoiB0M</a> <a href="https://www.youtube.com/watch?v=WmxynyRK3L8">https://www.youtube.com/watch?v=WmxynyRK3L8</a>
	6	The Laplace Transform	VIDEO	<a href="https://www.youtube.com/watch?v=W0Qb6PMAOX8">https://www.youtube.com/watch?v=W0Qb6PMAOX8</a>
	7	Inverse Laplace Transform:	VIDEO	<a href="https://www.youtube.com/watch?v=n_3ZmnVnrc4">https://www.youtube.com/watch?v=n_3ZmnVnrc4</a>
	8	Multiple Integrals:	VIDEO	<a href="https://www.youtube.com/watch?v=l8M2cEZ_AeM">https://www.youtube.com/watch?v=l8M2cEZ_AeM</a>
	9	Applications of integration:	VIDEO	<a href="https://www.youtube.com/watch?v=IgtPlDrNmnE0">https://www.youtube.com/watch?v=IgtPlDrNmnE0</a>
	10	Beta and Gamma Functions	VIDEO	<a href="https://www.youtube.com/watch?v=k-3gKIIPbrA">https://www.youtube.com/watch?v=k-3gKIIPbrA</a> <a href="https://www.youtube.com/watch?v=tp0HiqJPh_E">https://www.youtube.com/watch?v=tp0HiqJPh_E</a>
	11	Differentiation Under the Integral Sign Error Functions	VIDEO	<a href="https://www.youtube.com/watch?v=LtX22hJcwEw">https://www.youtube.com/watch?v=LtX22hJcwEw</a>
Data structure	1	Introduction	VIDEO	<a href="https://www.geeksforgeeks.org/data-structures/">https://www.geeksforgeeks.org/data-structures/</a>
	2	Array	VIDEO	<a href="https://www.youtube.com/watch?v=3Xo6P_V-qns&amp;list=PLgj_V-ZKxRRKrxgFyOutPJpoLFBaQMOpK-&amp;index=13">https://www.youtube.com/watch?v=3Xo6P_V-qns&amp;list=PLgj_V-ZKxRRKrxgFyOutPJpoLFBaQMOpK-&amp;index=13</a>
	3	Linked List	VIDEO	<a href="https://www.youtube.com/watch?v=PGWZUgzDMYI&amp;list=PLBF3763AF2E1C572F&amp;index=3">https://www.youtube.com/watch?v=PGWZUgzDMYI&amp;list=PLBF3763AF2E1C572F&amp;index=3</a>
	4	Stack	VIDEO	<a href="https://www.youtube.com/watch?v=g1USSZVWDsY&amp;list=PLBF3763AF2E1C572F&amp;index=2">https://www.youtube.com/watch?v=g1USSZVWDsY&amp;list=PLBF3763AF2E1C572F&amp;index=2</a>
	5	Queue	VIDEO	<a href="https://www.youtube.com/watch?v=PGWZUgzDMYI&amp;list=PLBF3763AF2E1C572F&amp;index=3">https://www.youtube.com/watch?v=PGWZUgzDMYI&amp;list=PLBF3763AF2E1C572F&amp;index=3</a>
	6	Tree	VIDEO	<a href="https://www.youtube.com/watch?v=tORLeHHtazM&amp;list=PLBF3763AF2E1C572F&amp;index=6">https://www.youtube.com/watch?v=tORLeHHtazM&amp;list=PLBF3763AF2E1C572F&amp;index=6</a>
	7	Advanced Tree Structures (AVL Tree and RB Tree)	VIDEO	<a href="https://www.youtube.com/watch?v=JRsn4Oz36QU&amp;list=PLBF3763AF2E1C572F&amp;index=14">https://www.youtube.com/watch?v=JRsn4Oz36QU&amp;list=PLBF3763AF2E1C572F&amp;index=14</a>
	8	Graph	VIDEO	<a href="https://www.youtube.com/watch?v=9zpSs845wf8&amp;list=PLBF3763AF2E1C572F&amp;index=24">https://www.youtube.com/watch?v=9zpSs845wf8&amp;list=PLBF3763AF2E1C572F&amp;index=24</a>
	9	Sorting Techniques	VIDEO	<a href="https://www.youtube.com/watch?v=4OxBvBXon5w&amp;list=PLBF3763AF2E1C572F&amp;index=22">https://www.youtube.com/watch?v=4OxBvBXon5w&amp;list=PLBF3763AF2E1C572F&amp;index=22</a>
	10	Indexing	VIDEO	<a href="https://www.geeksforgeeks.org/indexing-in-databases-set-1/">https://www.geeksforgeeks.org/indexing-in-databases-set-1/</a>

<b>Database Management System</b>	1	Introduction To Databases And Transactions	VIDEO	<a href="https://www.youtube.com/watch?v=WIHLj7EYNvI">https://www.youtube.com/watch?v=WIHLj7EYNvI</a>
	2	1.1 Introduction to Databases and Data Models	VIDEO	<a href="https://www.youtube.com/watch?v=OWX4RvijwLw&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=3">https://www.youtube.com/watch?v=OWX4RvijwLw&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=3</a>
	3	1.2 Database Design and ER Diagram	VIDEO	<a href="https://www.youtube.com/watch?v=cx7rBTS2dBM&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=12">https://www.youtube.com/watch?v=cx7rBTS2dBM&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=12</a>
	4	1.3 E-R and EER Diagrams	VIDEO	<a href="https://www.youtube.com/watch?v=pm_Tr3eZAac&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=13">https://www.youtube.com/watch?v=pm_Tr3eZAac&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=13</a>
	5	Relational Database Model	VIDEO	<a href="https://www.youtube.com/watch?v=K5jqNjnE-pE&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=16">https://www.youtube.com/watch?v=K5jqNjnE-pE&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=16</a>
	6	Constraints, Views And Sql	VIDEO	<a href="https://www.youtube.com/watch?v=w1XdPholzWY&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=6">https://www.youtube.com/watch?v=w1XdPholzWY&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=6</a>
	7	Transaction Management And Concurrency	VIDEO	<a href="https://www.youtube.com/watch?v=TyT_MuPHG3g&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=31">https://www.youtube.com/watch?v=TyT_MuPHG3g&amp;list=PLIwC9bZ0rmjSkm1VRJROX4vP2YMif4Ebh&amp;index=31</a>
	8	PL-SQL	VIDEO	<a href="https://www.youtube.com/watch?v=2IhuBCGThsQ">https://www.youtube.com/watch?v=2IhuBCGThsQ</a>
<b>Computer Network</b>	1	Introduction	VIDEO	<a href="https://youtu.be/Hizdc4XVJ1E">https://youtu.be/Hizdc4XVJ1E</a>
	2	Network Models	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
	3	Introduction to Physical layer	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
	4	Digital and Analog transmission	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
	5	Bandwidth Utilization: Multiplexing and Spectrum Spreading	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
	6	Transmission media	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
	7	Switching	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
	8	Introduction to the Data Link Layer	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
	9	Data Link Control	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
	10	Media Access Control	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
	11	Wireless LANs	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F744">https://www.youtube.com/playlist?list=PL32DBC269EF768F744</a>
	12	Connecting devices and Virtual LANs	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
	13	Introduction to the Network Layer	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
	14	Unicast Routing	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>

15	Next generation IP	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
16	Introduction to the Transport Layer	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>
17	Standard Client0Server Protocols	VIDEO	<a href="https://www.youtube.com/playlist?list=PL32DBC269EF768F74">https://www.youtube.com/playlist?list=PL32DBC269EF768F74</a>

BATCH: 15BSC - I.T.				Semester : V
Subject Name	Sr.No.	Chapter Name	Content Type	Links
IOT	1	The Internet of things overview	VIDEO	<a href="https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i">https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i</a>
	2	Design Principals of IOT	VIDEO	<a href="https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i">https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i</a>
	3	Internet Principle	VIDEO	<a href="https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i">https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i</a>
	4	Thinking about prototyping	VIDEO	<a href="https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i">https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i</a>
	5	Prototyping Embedded Devices	VIDEO	<a href="https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i">https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i</a>
	6	Prototyping the Physical Design	VIDEO	<a href="https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i">https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i</a>
	7	Prototyping Online Components	VIDEO	<a href="https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i">https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i</a>
	8	Techniques for Writing Embedded Code	VIDEO	<a href="https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i">https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i</a>
	9	Business Models	VIDEO	<a href="https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i">https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i</a>
	10	Moving to Manufacture	VIDEO	<a href="https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i">https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i</a>
	11	Ethics	VIDEO	<a href="https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i">https://www.youtube.com/playlist?list=PLaxu2gn-9WXMf_In5pMvxjf043jzof4-i</a>
Software Project Management	1	Introduction To S/W Project Management	VIDEO	<a href="https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt">https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt</a>
	2	Selection Of An Appropriate Project Approach	VIDEO	<a href="https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt">https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt</a>
	3	Activity Planning	VIDEO	<a href="https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt">https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt</a>
	4	Risk Management	VIDEO	<a href="https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt">https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt</a>
	5	Monitoring And Control	VIDEO	<a href="https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt">https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt</a>
	6	Working In Teams	VIDEO	<a href="https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt">https://www.youtube.com/playlist?list=PLbRMhDVUMngf8oZR3DpKMvYhZKga90JVt</a>
	1	Introducing .NET	VIDEO	<a href="https://www.youtube.com/watch?v=kdPtNMB8tPw">https://www.youtube.com/watch?v=kdPtNMB8tPw</a>
	2	The C# Language	VIDEO	<a href="https://www.youtube.com/watch?v=kdPtNMB8tPw">https://www.youtube.com/watch?v=kdPtNMB8tPw</a>
	3	Types, Objects, and Namespaces	VIDEO	<a href="https://www.youtube.com/watch?v=kdPtNMB8tPw">https://www.youtube.com/watch?v=kdPtNMB8tPw</a>
	4	Web Form Fundamentals	VIDEO	<a href="https://www.youtube.com/watch?v=kdPtNMB8tPw">https://www.youtube.com/watch?v=kdPtNMB8tPw</a>
	5	Form Controls	VIDEO	<a href="https://www.youtube.com/watch?v=kdPtNMB8tPw">https://www.youtube.com/watch?v=kdPtNMB8tPw</a>
	6	Error Handling, Logging, and Tracing	VIDEO	<a href="https://www.youtube.com/watch?v=kdPtNMB8tPw">https://www.youtube.com/watch?v=kdPtNMB8tPw</a>



<b>Advance Web Programming</b>	7	State Management	VIDEO	<a href="https://www.youtube.com/watch?v=kdPtNMb8tPw">https://www.youtube.com/watch?v=kdPtNMb8tPw</a>
	8	Styles, Themes, and Master Pages	VIDEO	<a href="https://www.youtube.com/watch?v=kdPtNMb8tPw">https://www.youtube.com/watch?v=kdPtNMb8tPw</a>
	9	ADO.NET Fundamentals	VIDEO	<a href="https://www.youtube.com/playlist?list=PL6n9fhu94yhX5dzHunAI2t4kE0kOuv4D7">https://www.youtube.com/playlist?list=PL6n9fhu94yhX5dzHunAI2t4kE0kOuv4D7</a>
	10	Data Binding	VIDEO	<a href="https://www.youtube.com/watch?v=aZkutkQp0ZY">https://www.youtube.com/watch?v=aZkutkQp0ZY</a>
	11	The Data Controls	VIDEO	<a href="https://www.youtube.com/watch?v=kdPtNMb8tPw">https://www.youtube.com/watch?v=kdPtNMb8tPw</a>
	12	XML	VIDEO	<a href="https://www.youtube.com/watch?v=HdRu1PgaJhk">https://www.youtube.com/watch?v=HdRu1PgaJhk</a>
	13	Security Fundamentals	VIDEO	<a href="https://www.youtube.com/watch?v=kdPtNMb8tPw">https://www.youtube.com/watch?v=kdPtNMb8tPw</a>
<b>Enterprise Java</b>	1	Java Ee Architecture	VIDEO	<a href="https://www.youtube.com/watch?v=XCWWAPy5spQ">https://www.youtube.com/watch?v=XCWWAPy5spQ</a>
	2	Java Servlets	VIDEO	<a href="https://www.youtube.com/watch?v=7T0mdDJc14s">https://www.youtube.com/watch?v=7T0mdDJc14s</a>
	3	Servlet Api And Lifecycle	VIDEO	<a href="https://www.youtube.com/watch?v=FZ5ySX4PEbw">https://www.youtube.com/watch?v=FZ5ySX4PEbw</a>
	4	Working With Servlets	VIDEO	<a href="https://www.youtube.com/watch?v=NWJd9Wsv5yM">https://www.youtube.com/watch?v=NWJd9Wsv5yM</a>
	5	Working With Database	VIDEO	<a href="https://www.youtube.com/watch?v=bLdNQHkZoC8">https://www.youtube.com/watch?v=bLdNQHkZoC8</a>
	6	Request Dispatcher, Cookies,Session	VIDEO	<a href="https://www.youtube.com/watch?v=RjjXrtWWD0I">https://www.youtube.com/watch?v=RjjXrtWWD0I</a>
	7	Java Server Pages	VIDEO	<a href="https://www.youtube.com/watch?v=_8_kQz1m-0U">https://www.youtube.com/watch?v=_8_kQz1m-0U</a>
	8	Enterprise Java Beans	VIDEO	<a href="https://www.youtube.com/watch?v=YZqxFziLDzY">https://www.youtube.com/watch?v=YZqxFziLDzY</a>
	9	Persistence Object,Hibernate	VIDEO	<a href="https://www.youtube.com/watch?v=uqzuLO0cnEY">https://www.youtube.com/watch?v=uqzuLO0cnEY</a>
<b>Linux</b>	1	Introduction To Red Hat Enterprise Linux	VIDEO	<a href="https://www.youtube.com/watch?v=V1y-mbWm3B8">https://www.youtube.com/watch?v=V1y-mbWm3B8</a>
	2	Configuring And Managning Storage	VIDEO	<a href="https://www.youtube.com/watch?v=U11YjaRvCd4">https://www.youtube.com/watch?v=U11YjaRvCd4</a>
	3	Securing Server With Iptables	VIDEO	<a href="https://www.youtube.com/watch?v=6Ra17Qpj68c">https://www.youtube.com/watch?v=6Ra17Qpj68c</a>
	4	Configuring Dns And Dhcp	VIDEO	<a href="https://www.youtube.com/watch?v=DPeBS-iOn7E">https://www.youtube.com/watch?v=DPeBS-iOn7E</a>
	5	Introduction Bash Shell Scripting	VIDEO	<a href="https://www.youtube.com/watch?v=_n5ZegzieSQ">https://www.youtube.com/watch?v=_n5ZegzieSQ</a>

## E - RESOURCE

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BATCH : 13BSC - I.T.		Semester : II		
	Sr. No.	Chapter Name	Content Type	Links
<b>Object Oriented Programming</b>	1	Object Oriented Methodology, Principles of OOPS	VIDEO	<a href="https://youtu.be/AEo4KgwKYoU">https://youtu.be/AEo4KgwKYoU</a>
	2	Classes and Objects, Constructors and Destructors	VIDEO	<a href="https://youtu.be/y9KRmJAmnN4">https://youtu.be/y9KRmJAmnN4</a>
	3	Polymorphism, Virtual Functions	VIDEO	<a href="https://youtu.be/84yOn9_rLy4">https://youtu.be/84yOn9_rLy4</a>
	4	Program development using Inheritance, Exception Handling	VIDEO	<a href="https://youtu.be/_jQj4XxTk4s">https://youtu.be/_jQj4XxTk4s</a>
	5	Working with Files	VIDEO	<a href="https://youtu.be/6BhH2FPFS30">https://youtu.be/6BhH2FPFS30</a>
<b>Microprocessor Architecture</b>	1	I Microprocessor, microcomputers, and Assembly Language:	VIDEO	<a href="https://youtu.be/oNKqRPv8c9M">https://youtu.be/oNKqRPv8c9M</a>
	2	Microprocessor Architecture and Microcomputer System:	VIDEO	<a href="https://youtu.be/aj8gdnUjWD8">https://youtu.be/aj8gdnUjWD8</a>
	3	8085 Microprocessor Architecture and Memory Interface:	VIDEO	<a href="https://youtu.be/UWekjor55pc">https://youtu.be/UWekjor55pc</a>
	4	Interfacing of I/O Devices	VIDEO	<a href="https://youtu.be/tVRi0AEc6ao">https://youtu.be/tVRi0AEc6ao</a>
	5	Introduction to 8085 Assembly Language Programming:	VIDEO	<a href="https://youtu.be/GLfEQGY70Ek">https://youtu.be/GLfEQGY70Ek</a>
	6	Introduction to 8085 Instructions	VIDEO	<a href="https://youtu.be/G3iUO96XhC4">https://youtu.be/G3iUO96XhC4</a>
	7	Programming Techniques With Additional Instructions:	VIDEO	<a href="https://youtu.be/IEa0dyJfv30">https://youtu.be/IEa0dyJfv30</a>
	8	Counters and Time Delays	VIDEO	<a href="https://youtu.be/AeLrTOohCHU">https://youtu.be/AeLrTOohCHU</a>
	9	Stacks and Sub-Routines	VIDEO	<a href="https://youtu.be/w3yR6ag1VfA">https://youtu.be/w3yR6ag1VfA</a>
	10	Code Conversion, BCD Arithmetic, and 16-Bit Data Operations:	VIDEO	<a href="https://youtu.be/9v7030nPB3I">https://youtu.be/9v7030nPB3I</a>
	11	Software Development System and Assemblers	VIDEO	<a href="https://youtu.be/eCVuLDxvAVQ">https://youtu.be/eCVuLDxvAVQ</a>
	12	Interrupts	VIDEO	<a href="https://youtu.be/1aG3aFEKxyA">https://youtu.be/1aG3aFEKxyA</a>
	13	The Pentium and Pentium Pro microprocessors:	VIDEO	<a href="https://youtu.be/iXZ-_uF9m7A">https://youtu.be/iXZ-_uF9m7A</a>
	14	Core 2 and later Microprocessors	VIDEO	<a href="https://youtu.be/u_wXE4-R5JI">https://youtu.be/u_wXE4-R5JI</a>
	15	SUN SPARC Microprocessor	VIDEO	<a href="https://youtu.be/cn3nDrVvk6TE">https://youtu.be/cn3nDrVvk6TE</a>
<b>Web Applications Development</b>	1	Internet and world wide web - HTML 5.0, CSS	VIDEOS	<a href="https://www.youtube.com/watch?v=EgvJwEKOoIg">https://www.youtube.com/watch?v=EgvJwEKOoIg</a> , <a href="https://www.youtube.com/watch?v=pO5SX5QCbTw&amp;list=PLd3UqWTnYXOnHZNpQwS0dBs_elseOuPVB&amp;index=2">https://www.youtube.com/watch?v=pO5SX5QCbTw&amp;list=PLd3UqWTnYXOnHZNpQwS0dBs_elseOuPVB&amp;index=2</a>
	2	HTML Page Layout, HTML Media, Tables and Forms	VIDEOS	<a href="https://www.youtube.com/watch?v=rU-PI6OmJlw&amp;list=PLd3UqWTnYXOnHZNpQwS0dBs_elseOuPVB&amp;index=3">https://www.youtube.com/watch?v=rU-PI6OmJlw&amp;list=PLd3UqWTnYXOnHZNpQwS0dBs_elseOuPVB&amp;index=3</a> , <a href="https://www.youtube.com/watch?v=5FugKvq-VZE&amp;list=PLd3UqWTnYXOnHZNpQwS0dBs_elseOuPVB&amp;index=5">https://www.youtube.com/watch?v=5FugKvq-VZE&amp;list=PLd3UqWTnYXOnHZNpQwS0dBs_elseOuPVB&amp;index=5</a> , <a href="https://www.youtube.com/watch?v=l42LgwkCj_U">https://www.youtube.com/watch?v=l42LgwkCj_U</a>
	3	JavaScript, Operators and Statements, JavaScript Objects, DOM, Browser BOM, Events and Event Handlers	VIDEOS	<a href="https://www.youtube.com/watch?v=OTNYOdo7B8">https://www.youtube.com/watch?v=OTNYOdo7B8</a> , <a href="https://www.youtube.com/watch?v=cJRq1pC4ByA">https://www.youtube.com/watch?v=cJRq1pC4ByA</a>

	4	PHP		
	5	Advanced PHP, PHP and MYSQL		
	6	Advanced PHP and My SQL		
<b>Numerical and Statistic Methods</b>	1	Mathematical Modeling and engineering problem solving	VIDEO	<a href="https://youtu.be/eU-Bp5XIJqw">https://youtu.be/eU-Bp5XIJqw</a>
	2	Approximations and Round-off Errors	VIDEO	<a href="https://youtu.be/6iTAY9i_v9E">https://youtu.be/6iTAY9i_v9E</a>
	3	Truncation Error and Taylor Series.	VIDEO	<a href="https://youtu.be/ZUy3xPRU_2Q">https://youtu.be/ZUy3xPRU_2Q</a>
	4	Solution of Algebraic and Transcendental equation	VIDEO	<a href="https://youtu.be/Xzkl2jZtuys">https://youtu.be/Xzkl2jZtuys</a>
	5	Interpolation	VIDEO	<a href="https://youtu.be/PBjGdQOghJE">https://youtu.be/PBjGdQOghJE</a>
	6	solution of simultaneous algebra equation using iterative methods	VIDEO	<a href="https://youtu.be/AMr5etyUEL8">https://youtu.be/AMr5etyUEL8</a>
	7	numerical differentiation and integration	VIDEO	<a href="https://youtu.be/12KWLvSRNVw">https://youtu.be/12KWLvSRNVw</a>
	8	Numerical solution of 1st and 2nd differentiation equation	VIDEO	<a href="https://youtu.be/hQvmLnyZDuE">https://youtu.be/hQvmLnyZDuE</a>
	9	least-squares Regression	VIDEO	<a href="https://youtu.be/pI96pX55cEM">https://youtu.be/pI96pX55cEM</a>
	10	Linear Programming	VIDEO	<a href="https://youtu.be/PwpcjUNRG0o">https://youtu.be/PwpcjUNRG0o</a>
<b>Green Computing</b>	1	Over view & issues	VIDEO	<a href="https://youtu.be/A2saqWFbA-A?list=PL1Q-sRGC_v1N43-pEwGHwCwT-pWEJ3RQm">https://youtu.be/A2saqWFbA-A?list=PL1Q-sRGC_v1N43-pEwGHwCwT-pWEJ3RQm</a>
	2	Initiatives and standards	VIDEO	<a href="https://youtu.be/DXDh1qJBcf8">https://youtu.be/DXDh1qJBcf8</a>
	3	minimizing Power usage	VIDEO	<a href="https://youtu.be/BCxTIS3QCq8">https://youtu.be/BCxTIS3QCq8</a>
	4	cooling	VIDEO	<a href="https://youtu.be/njYqkRN3SWE?list=PL1Q-sRGC_v1N43-pEwGHwCwT-pWEJ3RQm">https://youtu.be/njYqkRN3SWE?list=PL1Q-sRGC_v1N43-pEwGHwCwT-pWEJ3RQm</a>
	5	Changing the way of work		
	6	Going Paperless	VIDEO	<a href="https://youtu.be/rZeAN5Wf2FA?list=PL1Q-sRGC_v1N43-pEwGHwCwT-pWEJ3RQm">https://youtu.be/rZeAN5Wf2FA?list=PL1Q-sRGC_v1N43-pEwGHwCwT-pWEJ3RQm</a>
	7	recycling		
	8	Hardware		
	9	Greening your information system	VIDEO	<a href="https://youtu.be/_NFEC8AhtA">https://youtu.be/_NFEC8AhtA</a>
	10	staying green		

BATCH: 14BSC - I.T.			Semester : IV	
	Sr. No.	Chapter Name	Content Type	Links
<b>Introduction to Embedded Sysytem</b>	1	Embedded Sysytem : An Introduction		
	2	Core of embedded system		
	3	Characteristics & Quality Attributes of embedded sysytem		
	4	Embedded Sysytem : Application and Domain specific		
	5	Embedded Hardware		
	6	Peripherals		
	7	Microcontrollers		
	8	8051 Programming in C		
	9	Designing embedded system with 8051 microcontroller		
	10	Programming embedded sysytems		
	11	Real time operating Sysytem(RTOS)		
	12	Design and Development		
<b>Software Engineering</b>	1	Introduction	VIDEO	<a href="https://youtu.be/Lz6kcCAWJeo">https://youtu.be/Lz6kcCAWJeo</a>
	2	Software Requirements:	VIDEO	<a href="https://youtu.be/JNLRXczA9Y0">https://youtu.be/JNLRXczA9Y0</a>
	3	Software Processes	VIDEO	<a href="https://youtu.be/Op8ptyMMb2o">https://youtu.be/Op8ptyMMb2o</a>
	4	Software Development Process Models	VIDEO	<a href="https://youtu.be/23tzKPBxpO8">https://youtu.be/23tzKPBxpO8</a>
	5	Agile software development:	VIDEO	<a href="https://youtu.be/Xs6E-MAJbfE">https://youtu.be/Xs6E-MAJbfE</a>
	6	Socio-technical system:	VIDEO	<a href="https://youtu.be/KYaYW559hXs">https://youtu.be/KYaYW559hXs</a>
	7	Critical system	VIDEO	<a href="https://youtu.be/MBiW5HB8fas">https://youtu.be/MBiW5HB8fas</a>
	8	Requirements Engineering Processes:	VIDEO	<a href="https://youtu.be/_dmLM3nMu2E">https://youtu.be/_dmLM3nMu2E</a>
	9	System Models	VIDEO	<a href="https://youtu.be/mqEE0lpYX7s">https://youtu.be/mqEE0lpYX7s</a>
	10	Architectural Design	VIDEO	<a href="https://youtu.be/kerqiiJZcm0">https://youtu.be/kerqiiJZcm0</a>
	11	User Interface Design	VIDEO	<a href="https://youtu.be/dQcHUyHPlx0">https://youtu.be/dQcHUyHPlx0</a>
	12	Project Management	VIDEO	<a href="https://youtu.be/X6CkWPjLkhg">https://youtu.be/X6CkWPjLkhg</a>
	13	Quality Management:	VIDEO	<a href="https://youtu.be/i7NcgN-E9n8">https://youtu.be/i7NcgN-E9n8</a>
	14	Verification and Validation	VIDEO	<a href="https://youtu.be/1-qrwygL7Nc">https://youtu.be/1-qrwygL7Nc</a>
	15	Software Measurement	VIDEO	<a href="https://youtu.be/zU2s_G-jYHc">https://youtu.be/zU2s_G-jYHc</a>
	16	Software Cost Estimation	VIDEO	<a href="https://youtu.be/xmMzB3mQR-s">https://youtu.be/xmMzB3mQR-s</a>
	17	Process Improvement	VIDEO	<a href="https://youtu.be/8YkiRT49EIk?list=PLnIXQSIsn7B2gJHrvx7g50XJPrWMQNcot">https://youtu.be/8YkiRT49EIk?list=PLnIXQSIsn7B2gJHrvx7g50XJPrWMQNcot</a>
	18	Service Oriented Software Engineering	VIDEO	<a href="https://youtu.be/tooRfyCHOT0">https://youtu.be/tooRfyCHOT0</a>
	19	Software reuse	VIDEO	<a href="https://youtu.be/NGvCFi7R6-k">https://youtu.be/NGvCFi7R6-k</a>
	20	Distributed software engineering	VIDEO	<a href="https://www.youtube.com/watch?v=qTU375J5F9s">https://www.youtube.com/watch?v=qTU375J5F9s</a>
<b>Core Java</b>	1	Introduction, Data Types	VIDEO	<a href="https://www.youtube.com/watch?v=UwpXXiGdlOE">https://www.youtube.com/watch?v=UwpXXiGdlOE</a>
	2	Control Flow Statements, Iterations, Classes	VIDEO	<a href="https://www.youtube.com/watch?v=OUZkdKFeuK0">https://www.youtube.com/watch?v=OUZkdKFeuK0</a>
	3	Inheritance, Abstract Classes, Packages	VIDEO	<a href="https://www.youtube.com/watch?v=pQKg5SuGdPg">https://www.youtube.com/watch?v=pQKg5SuGdPg</a>
	4	Enumerations, Arrays, Multithreading, Exceptions, Byte Streams	VIDEO	<a href="https://www.youtube.com/watch?v=DTkw1Jq_1Ts&amp;list=PLlhM4lkb2sEh1pBs0KBb63PIKKqRx6M1a">https://www.youtube.com/watch?v=DTkw1Jq_1Ts&amp;list=PLlhM4lkb2sEh1pBs0KBb63PIKKqRx6M1a</a>

	5	Event Handling, Abstract Window Toolkit, Layouts	VIDEO	<a href="https://www.youtube.com/watch?v=M43ZPdGqlXQ&amp;t=271s">https://www.youtube.com/watch?v=M43ZPdGqlXQ&amp;t=271s</a>
<b>Computer Oriental statal Techniques</b>	1	The mean, median, mode and other Measures of central Tendency		
	2	Moments , Skewness, and Kurtosis		
	3	statitcal Estimation Theory		
	4	Small Sampling Theory		
	5	Curve fitting the method of least Square		
<b>Computer Graphics and Animation</b>	1	Introduction to Computer Graphics	VIDEO	<a href="https://www.youtube.com/watch?v=nN99M_SUQUI">https://www.youtube.com/watch?v=nN99M_SUQUI</a>
	2	Scan conversion	VIDEO	<a href="https://www.youtube.com/watch?v=QEffCr1_TNo">https://www.youtube.com/watch?v=QEffCr1_TNo</a>
	3	Two-Dimensional Transformations	VIDEO	<a href="https://www.youtube.com/watch?v=EGRRbyswyiU">https://www.youtube.com/watch?v=EGRRbyswyiU</a>
	4	Three-Dimensional Transformations	VIDEO	<a href="https://www.youtube.com/watch?v=LH0NMhZO1g0">https://www.youtube.com/watch?v=LH0NMhZO1g0</a>
	5	Viewing in 3D	VIDEO	<a href="https://www.youtube.com/watch?v=VQgowR3uEQg">https://www.youtube.com/watch?v=VQgowR3uEQg</a>
	6	Light	VIDEO	<a href="https://www.youtube.com/watch?v=vMsjhletTzo">https://www.youtube.com/watch?v=vMsjhletTzo</a>
	7	Color	VIDEO	<a href="https://www.youtube.com/watch?v=QObxaTDP7Ts">https://www.youtube.com/watch?v=QObxaTDP7Ts</a>
	8	Visible-Surface Determination	VIDEO	<a href="https://www.youtube.com/watch?v=1aSYTBLAKBA">https://www.youtube.com/watch?v=1aSYTBLAKBA</a>
	9	Plane Curves and Surfaces	VIDEO	<a href="https://www.youtube.com/watch?v=m79uc2bzEQ0">https://www.youtube.com/watch?v=m79uc2bzEQ0</a>
	10	Computer Animation	VIDEO	<a href="https://www.youtube.com/watch?v=xNV5oz9Mmoc">https://www.youtube.com/watch?v=xNV5oz9Mmoc</a>
	11	Image Manipulation and Storage	VIDEO	<a href="https://www.youtube.com/watch?v=cX3sUE8U3nc">https://www.youtube.com/watch?v=cX3sUE8U3nc</a>

BATCH : 15BSC - I.T.			Semester : VI	
	Sr. No.	Chapter Name	Content Type	
<b>Business Intelligence</b>	1	Introduction To Business Intelligence		
	2	Decision Support Systems		
	3	Mathematical Models For Decision Making		
	4	Data Mining		
	5	Data Preparation		
	6	Classification of Problems		
	7	Clustering Methods		
	8	Business Intelligence Applications: Marketing Models		
	9	Logistic and Production Models		
	10	Data Envelopment Analysis		
	11	Knowledge Management		
	12	Artificial Intelligence And Expert Systems		
<b>Security in Computing</b>	1	Information Security Overview	VIDEO	<a href="https://youtu.be/MKpXoch-3j4">https://youtu.be/MKpXoch-3j4</a>
	2	Risk Analysis	VIDEO	<a href="https://youtu.be/9GthPTi1Nqc">https://youtu.be/9GthPTi1Nqc</a>
	3	Secure Design Principles:	VIDEO	<a href="https://youtu.be/ywLXfSR5YWk">https://youtu.be/ywLXfSR5YWk</a>
	4	Authentication and Authorization	VIDEO	<a href="https://youtu.be/I0poT4UxFxE">https://youtu.be/I0poT4UxFxE</a>
	5	Encryption	VIDEO	<a href="https://youtu.be/wMSY1OfS2uE">https://youtu.be/wMSY1OfS2uE</a>
	6	Storage Security	VIDEO	<a href="https://youtu.be/VCdX-wm3_4A">https://youtu.be/VCdX-wm3_4A</a>
	7	Database Security	VIDEO	<a href="https://youtu.be/ACScVvBfKzg">https://youtu.be/ACScVvBfKzg</a>
	8	Secure Network Design	VIDEO	<a href="https://youtu.be/j2Kc3bwWnxs">https://youtu.be/j2Kc3bwWnxs</a>
	9	Network Device Security	VIDEO	<a href="https://youtu.be/R9V20FNyyOk">https://youtu.be/R9V20FNyyOk</a>
	10	Firewalls	VIDEO	<a href="https://youtu.be/o_vyfo3Hw0Y">https://youtu.be/o_vyfo3Hw0Y</a>
	11	Wireless Network Security	VIDEO	<a href="https://youtu.be/vnLvupIq3pk">https://youtu.be/vnLvupIq3pk</a>
	12	Intrusion Detection and Prevention Systems:	VIDEO	<a href="https://youtu.be/dfVAi87BSEs">https://youtu.be/dfVAi87BSEs</a>
	13	Voice over IP (VoIP) and PBX Security:	VIDEO	<a href="https://youtu.be/L1dOQcYdE6o">https://youtu.be/L1dOQcYdE6o</a>
	14	Operating System Security Models	VIDEO	<a href="https://youtu.be/3kKkOBClw1Q">https://youtu.be/3kKkOBClw1Q</a>
	15	Virtual Machines and Cloud Computing	VIDEO	<a href="https://youtu.be/OHWGUtSsPUG">https://youtu.be/OHWGUtSsPUG</a>
	16	Secure Application Design	VIDEO	<a href="https://youtu.be/KmslXXAJevE">https://youtu.be/KmslXXAJevE</a>
	17	Physical Security	VIDEO	<a href="https://youtu.be/j9MQMVn3FV4">https://youtu.be/j9MQMVn3FV4</a>
<b>Cyber Law</b>	1	Power of Arrest Without Warrant Under the IT Act 2000	VIDEO	<a href="https://www.youtube.com/watch?v=W6aV7kMES4s">https://www.youtube.com/watch?v=W6aV7kMES4s</a>
	2	Cyber Crime and Criminal Justice	VIDEO	<a href="https://www.youtube.com/watch?v=CcSCD6ft6PE">https://www.youtube.com/watch?v=CcSCD6ft6PE</a>
	3	Contracts in the Infotech World	VIDEO	<a href="https://www.youtube.com/watch?v=IZooU-qAScg">https://www.youtube.com/watch?v=IZooU-qAScg</a>
	4	Jurisdiction in the Cyber world	VIDEO	<a href="https://www.youtube.com/watch?v=x6x1ji15LeY">https://www.youtube.com/watch?v=x6x1ji15LeY</a>
	5	Battling Cyber Squatters and Copyright Protection in the Cyber	VIDEO	<a href="https://www.youtube.com/watch?v=-FyDsc5hqMI">https://www.youtube.com/watch?v=-FyDsc5hqMI</a>
	6	E-Commerce Taxation	VIDEO	<a href="https://www.youtube.com/watch?v=IczFoUNnDFM">https://www.youtube.com/watch?v=IczFoUNnDFM</a>
	7	Digital Signature, Certifying Authorities and E- Governance	VIDEO	<a href="https://www.youtube.com/watch?v=4uBv136Bx_c">https://www.youtube.com/watch?v=4uBv136Bx_c</a>
	8	The Indian Evidence Act of 1872 v. Information Technology Act 2000	VIDEO	<a href="https://www.youtube.com/watch?v=czDzUP1HclQ">https://www.youtube.com/watch?v=czDzUP1HclQ</a>
	1	Introduction to Quality	VIDEO	<a href="https://youtu.be/p8SYmtuJv10">https://youtu.be/p8SYmtuJv10</a>
	2	Software Quality	VIDEO	<a href="https://youtu.be/HYh5EvwbBpM">https://youtu.be/HYh5EvwbBpM</a>

<b>Software Quality Assurance</b>	3	Fundamentals of testing	VIDEO	<a href="https://youtu.be/H7yOskcqq1U?list=PLdguAlzSoZprQqC3R00ayNjWNe8Fa1FCC">https://youtu.be/H7yOskcqq1U?list=PLdguAlzSoZprQqC3R00ayNjWNe8Fa1FCC</a>	
	4	Boundry value Testing	VIDEO	<a href="https://youtu.be/nzjejkWWMRE">https://youtu.be/nzjejkWWMRE</a>	
	5	Equivalance Testing	VIDEO	<a href="https://youtu.be/zDMxbI3ibqc">https://youtu.be/zDMxbI3ibqc</a>	
	6	Decision Table	VIDEO	<a href="https://youtu.be/H7yOskcqq1U?list=PLdguAlzSoZprQqC3R00ayNjWNe8Fa1FCC">https://youtu.be/H7yOskcqq1U?list=PLdguAlzSoZprQqC3R00ayNjWNe8Fa1FCC</a>	
	7	Path testing	VIDEO	<a href="https://youtu.be/2Ts2Q6sQOys">https://youtu.be/2Ts2Q6sQOys</a>	
	8	Data Flowing	VIDEO	<a href="https://youtu.be/m_TQ-jsfRwM">https://youtu.be/m_TQ-jsfRwM</a>	
	9	Software verification & validation	VIDEO	<a href="https://youtu.be/7_wWMCWieEI">https://youtu.be/7_wWMCWieEI</a>	
	10	Level of testing	VIDEO	<a href="https://youtu.be/YUY-t63dkhl">https://youtu.be/YUY-t63dkhl</a>	
	11	Special tests	VIDEO	<a href="https://youtu.be/H7yOskcqq1U?list=PLdguAlzSoZprQqC3R00ayNjWNe8Fa1FCC">https://youtu.be/H7yOskcqq1U?list=PLdguAlzSoZprQqC3R00ayNjWNe8Fa1FCC</a>	
	<b>Principal of Geographic Information</b>	1	A gentle introduction to gis	VIDEO	<a href="https://youtu.be/P17IRpCXTzs">https://youtu.be/P17IRpCXTzs</a>
		2	the real worls and representation		
3		Spatial database	VIDEO	<a href="https://youtu.be/NFUfC5Qpa8s">https://youtu.be/NFUfC5Qpa8s</a>	
4		Geographic Information and spatial database	VIDEO	<a href="https://youtu.be/8Xfcd0DYgKQ">https://youtu.be/8Xfcd0DYgKQ</a>	
5		Organizing and managing Spatial data	VIDEO	<a href="https://youtu.be/8Xfcd0DYgKQ">https://youtu.be/8Xfcd0DYgKQ</a>	
6		data management and processing system	VIDEO	<a href="https://youtu.be/odc4TQqjz88">https://youtu.be/odc4TQqjz88</a>	
7		spatial data handling			
8		spatial refrencing and positioning			
9		data entry and preperation			
10		spatial data analysis			
11		Data visualization			