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SUBJECT : WEB PROGRAMMING (17CS71)

Sl. No	TITLE	LINK
1	XML introduction and MVC framework	https://youtu.be/FdS9grBkWBQ
2	JSON and Web Services	https://youtu.be/EvFD7P5MnxM
3	AJAX introduction	https://youtu.be/oWTmAvR51F4
4	jQuery Concepts with example	https://youtu.be/pJreQa2jgHg
5	Advanced JavaScript, jQuery introduction	https://youtu.be/cEaFABha6lw
6	Managing state-Session, Cookies, caching	https://youtu.be/SGeObW-r85M
7	Error handling in PHP	https://youtu.be/92VyiSnUs8l
8	PHP error Handling	https://youtu.be/r9L3lmFhWcs
9	PHP classes and objects	https://youtu.be/OnvcYozi2gE
10	PHP Arrays and Superglobals	https://youtu.be/RyA1TFloGBQ
11	PHP introduction and examples	https://youtu.be/ghUnMXaKsL8
12	JavaScript Events with example	https://youtu.be/8jMGMz0I504
13	DOM methods and properties with example	https://youtu.be/JG4uF6YV9aM
14	JavaScript objects and DOM objects with example	https://youtu.be/qBkxqiv3dFc
15	JavaScript syntax with example	https://youtu.be/yrppHcVOTM8
16	JavaScript functions, loop concept with example	https://youtu.be/xYYJhM4to3c
17	JavaScript Introduction	https://youtu.be/6iTcTSKVeDU
18	CSS Preprocessor and framework with example	https://youtu.be/Fj1oku7a7Z0
19	CSS Layouts	https://youtu.be/1HuTVBg1OGo
20	CSS float, clear property with example	https://youtu.be/cOPGBccHI7k
21	Advanced CSS	https://youtu.be/chgOZz6O8Ww
22	Form text control elements and choice control elements with example.	https://youtu.be/_QGF7mffHI4
23	Form control elements--radio, checkbox	https://youtu.be/g3h54UnzovY
24	Table CSS styling, HTML form introduction	https://youtu.be/kdhZTwzsi3l



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25	HTML Table Introduction with example.	https://youtu.be/_mdzptkCISs
26	Cascading style principles--Inheritance, specificity, location	https://youtu.be/BrK3Z3wSjgg
27	Border and Background properties with example	https://youtu.be/WGyKI6L_00A
28	Selectors type, color values and font properties	https://youtu.be/96W1089DdcE
29	CSS Introduction, CSS locations and Selector types	https://youtu.be/e6Jj9o-Zk1g
30	Introduction to HTML, What is HTML and Where did it come from?, HTML Syntax, Semantic Markup	https://youtu.be/BZyYuyxyX6w
31	Quick Tour of HTML Elements, HTML5 Semantic Structure Elements	https://youtu.be/EIQSd8yDduM
32	Structure of HTML Documents, Quick Tour of HTML Elements	https://youtu.be/v0CBdzn_95U



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SUBJECT : UNIX PROGRAMMING (18CS56)

SL NO	TITLE	LINK
1	Advanced IPC methods	https://youtu.be/2bpF0aC_U2I
2	Shared Memory IPC methods	https://youtu.be/wngOfORB5_8
3	Semaphores IPC method	https://youtu.be/1dBnU4aaH8M
4	Message Queue IPC method	https://youtu.be/cqmlSWntb7A
5	Pipes, Coprocesses, FIFOs IPC introduction.	https://youtu.be/hLQS-Z7kWUo
6	Message Queues and APIs	https://youtu.be/KeY1_Pi9ZUc
7	Semaphores Introduction and functions	https://youtu.be/zsVO2C9sNV0
8	Process times, Pipes introduction	https://youtu.be/DjFxfc9R41Q
9	Changing	https://youtu.be/4NtJEKtEa_A
10	Daemon Process, Coding Rules, Error logging	https://youtu.be/amEubEvJOel
11	UNIX signal timer functions	https://youtu.be/vCjC0R_VU7k
12	Signal Introduction and signal APIs	https://youtu.be/PdEQHMHTnPU
13	Process control exit() function	https://youtu.be/D3IYFGdfJfc
14	Process control with example	https://youtu.be/xMipx_SghHA
15	Environment variables and list, memory allocation, process termination	https://youtu.be/gQrQIV5-tWQ
16	File and record locking with example	https://youtu.be/e2z6BOKpiQE
17	General UNIX APIs with example	https://youtu.be/XGpRklHwip0
18	For loop example. here document, Trap command	https://youtu.be/_-VnXngz8go
19	Expr for string handing, while and for loop introduction	https://youtu.be/hmYS5TrUHlo
20	Test command with example, if statement with example.	https://youtu.be/iP9_jPpcubw
21	Shell script, read statements, logical operator with example	https://youtu.be/aWL8Wliuuu8
22	Grep command with regular expression	https://youtu.be/UiDCFgF5NK8
23	Wild card example	https://youtu.be/fYHtpj60H54
24	3 Standard files : Redirection with example	https://youtu.be/kylJ26XrY_U
25	Unix Wild cards with example	https://youtu.be/NiaCE0tWe9M
26	Absolute permission, changing file ownership. wild card introduction.	https://youtu.be/_exMb0K3hME
27	File Attributes with Relative permission.	https://youtu.be/jlKZVd0VK1c
28	More, od and wc commands question paper discussion.	https://youtu.be/IG01tkiP2iU



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29	Cp, mv and rm file commands. more page command with example.	https://youtu.be/tNzAqS7TI44
30	Mkdir, rmdir commands, ls command options, cat command.	https://youtu.be/Jrt4ZvuCj9k
31	Internal and External Commands, file system introduction and types. Directory Commands	https://youtu.be/L6D3jYURU_Y
32	Basic Unix commands such as echo, printf, ls, who, date, passwd, cal, Combining commands.	https://youtu.be/wvVwM9Lkxh0
33	Posix and Single Unix specification. General features of Unix commands/ command structure. Command arguments and options.	https://youtu.be/31nCE_tdiNg
34	Introduction: Unix Components/Architecture and UNIX Structure	https://youtu.be/9DdEt6cFTxc



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SUBJECT : DESIGN AND ANALYSIS OF ALGORITHMS (18CS42)

SL NO	TITLE	LINK
1	Graph Coloring Problem	https://youtu.be/M21leGVsGgY
2	Hamiltonian Cycles	https://youtu.be/KHmr79dWYgc
3	Sum of Subset Problem	https://youtu.be/3OsmDvECMB4
4	NQueen-problem	https://youtu.be/6f5R0zIQ-zY
5	Backtracking	https://youtu.be/09Ns5gqS8oM
6	Knapsack Problem	https://youtu.be/lfGu67LS5M4
7	Backtracking	https://youtu.be/Ys4h4DfyXaU
8	Reliability Design	https://youtu.be/oVB5940YfQg
9	Travelling Salesman Problem	https://youtu.be/ATLVSNXdrV4
10	BellmanFord Algorithm	https://youtu.be/kORs0lwE0Q4
11	Knapsack Problem	https://youtu.be/Zu8m6lHsB-l
12	Huffman Coding	https://youtu.be/43lwyWdPVT8
13	Prims-Algorithm	https://youtu.be/7_EPhNr6qXw
14	Greedy Method, Minimum Spanning Tree	https://youtu.be/8jvJdPkg_5k



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SUBJECT : DATA STRUCTURES AND ALGORITHMS (18CS32)

SL NO	TITLE	LINK
1	Array	https://youtu.be/TcyHpyXBG5Q
2	Classification primitive and non primitive	https://youtu.be/afL65HWtyUs
3	Loops in c language	https://youtu.be/leojQw-a9eE
4	Data Structures	https://youtu.be/HhVdGRfoacY
5	Classification of Data structures and review of arrays	https://youtu.be/GszqRyTsZf8
6	Operators, Control statements, Arrays	https://youtu.be/YzzOWGp8uzk
7	Data types, variables, syntax of C program and input/output functions.	https://youtu.be/hJA5G82Hglo



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SUBJECT : DATA COMMUNICATION (18CS46)

SL NO	TITLE	LINK
1	Other wireless networks- cellular telephony	https://youtu.be/7hlAYNw1KcA
2	Introduction to network layer- ipv4 addressing and subnetting	https://youtu.be/nDJr8_3fC28
3	Introduction, ieee 802.11 project and bluetooth.	https://youtu.be/nmwULHLIGew
4	Introduction to data link layer	https://youtu.be/2Z47Ov-hiJo
5	Ethernet protocol, standard ethernet, fast ethernet, gigabit ethernet and 10 gigabit ethernet.	https://youtu.be/ucjE-lrV2gY
6	Mac part ii	https://youtu.be/zPE4OHcxoTY
7	Media access control: random access	https://youtu.be/bEL-1dT7ck
8	Time division multiplexing	https://youtu.be/0mGHvOt-OWg
9	Data link control: dlc services, data link layer protocols, point to point protocol	https://youtu.be/196mDTm-sSo
10	Introduction, circuit switched networks and packet switching.	https://youtu.be/tyrhkNYPkK8
11	Bandwidth utilization- wavelength division multiplexing	https://youtu.be/2oRnbgQrSYo
12	Error detection and correction	https://youtu.be/Qv2HiAVnQvk
13	Frequency division multiplexing is discussed in the video.	https://youtu.be/MsExfo_9gf4



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SUBJECT : MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTRY (18CS51)

SL NO	TITLE	LINK
1	Levels Management	https://youtu.be/xJFrh0v63x4
2	Concept and nature of Management	https://youtu.be/yHJqdhxlzNY



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SUBJECT : CLOUD COMPUTING (18CS643)

SL NO	TITLE	LINK
1	Virtualization	https://youtu.be/bwMjUvUjB6c
2	CC Reference Model	https://youtu.be/JixnmCKCG7M



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SUBJECT : COMPUTER NETWORKS AND SECURITY (18CS52)

SL NO	TITLE	LINK
1	CNS	https://youtu.be/hYi74D9k8tk
2	Offences, Network Service Providers not to be liable in Certain cases and Miscellaneous Provisions	https://youtu.be/ojwH6X1iwjs
3	Digital Signature Certificate, Duties of Subscribers, Penalties and Adjudication and The cyber Regulations Appellate Tribunal.	https://youtu.be/0HuXNiqIRas
4	IT Act: Aims and Objectives, Scope of the Act, Important Provisions, Attributions, Acknowledgement and Dispatch of Electronic Records, Secure Electronic Records and Digital Signatures and Regulations of Certifying Authorities	https://youtu.be/MonLrOOS-nc
5	Web Service Security – Motivation, Technologies for Web Services, WS- Security, SAML, Other Standards	https://youtu.be/lXrvoK4IznY
6	Introduction, Prevention Versus Detection, Types of Instruction Detection Systems, DDoS Attacks Prevention/Detection	https://youtu.be/9on085YIRl8
7	Secure Socket Layer(SSL) Protocol	https://youtu.be/GP6xuduMrQc
8	Basics, Practical Issues	https://youtu.be/bBfH8v1T7B4
9	Viruses, Worms, and Other Malware	https://youtu.be/YMtcq5vmnHA
10	IEEE 802.11 Wireless LAN Security - Background, Authentication, Confidentiality and Integrity	https://youtu.be/iPkcKMEs0y8
11	IPSec Protocol, Internet Key Exchange Protocol and Virtual Private Network	https://youtu.be/rMGHnSehDrl
12	Introduction to Discrete Logarithms, Diffie- Hellman Key Exchange Protocol, Man in the middle attack on Diffie-Hellman Key Exchange Protocol , El Gamal Encryption an El Gamal Signature.	https://youtu.be/0XrOrBKz5CU
13	Key Distribution Center, The Needham Schroeder Protocol, Kerberos and Biometric Authentication	https://youtu.be/O2SNWsouHll
14	introduction to Authentication, types of Authentication and Dictionary Attack	https://youtu.be/sK9_n0po334
15	Key Management	https://youtu.be/5jDYYw9n5qA



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SUBJECT : MICRO CONTROLLER AND EMBEDDED SYSTEM (18CS44)

SL NO	TITLE	LINK
1	Integration and Testing of 'Hardware & Firmware'	https://youtu.be/IGXC8B97M0I
2	Multiprocessor and Multitasking	https://youtu.be/NWUkKUIOSo4
3	Tasks, Process and Threads	https://youtu.be/SYb9VIYkEiY
4	Types of operating systems	https://youtu.be/DcIV3452zt4
5	RTOS and IDE for Embedded Design	https://youtu.be/fgt7_HeIGe8
6	Embedded Firmware Design and Development: Embedded Firmware Design Approaches, Embedded Firmware Development Languages, 'C' vs 'Embedded C, Compiler vs Cross-Compiler	https://youtu.be/AvmWmiml-a4
7	Hardware Software Co-Design and Program Modelling: Fundamental Issues in Hardware Software Co-Design, Computational Models in Embedded Design.	https://youtu.be/0RJks5boo0g
8	Embedded Systems – Application- and Domain-Specific: Washing Machine – Application Specific Embedded System, Automotive-Domain Specific Examples of Embedded System.	https://youtu.be/nezZBSWLtS8
9	Characteristics and Quality Attributes of Embedded Systems: Characteristics of an Embedded System, Quality Attributes of Embedded Systems.	https://youtu.be/sAwmsSK1Mjl
10	Embedded Firmware & Other System Components.	https://youtu.be/1DfYRPnpPjA
11	Communication Interface-External.	https://youtu.be/jmJ-l6npzjw
12	Communication Interface-Onboard.	https://youtu.be/fOjxyMGrBgY
13	Sensors and Actuators.	https://youtu.be/Vu05a1DSKSk
14	Memory.	https://youtu.be/CyL1LWo5VjQ
15	Core of the Embedded System.	https://youtu.be/06Hhbn93d9A
16	Embedded vs General Computing System, History of Embedded Systems, Classification of Embedded Systems, Major Application Areas of Embedded Systems, Purpose of Embedded Systems	https://youtu.be/YGmfCsXtotg



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SUBJECT : MACHINE LEARNING (17CS73)

SL NO	TITLE	LINK
1	Introduction to ML	https://youtu.be/TZjCdLmb2vw
2	ML Module1 Lecture1	https://youtu.be/u2XvGUpaijI
3	ML-Module1-Lecture2a	https://youtu.be/XJGqiVO93IU
4	ML-Module1-Lecture2b	https://youtu.be/yXdZzM2QTQs
5	ML-Module1-Lecture3	https://youtu.be/CvczZmNluyU
6	ML Module Lecture3	https://youtu.be/_y5VnVCsHGc
7	ML Module Lecture4	https://youtu.be/exQVNM3ZzLI



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SUBJECT : AUTOMATA THEORY AND COMPUTABILITY (18CS54)

SL NO	TITLE	LINK
1	Finite State Machines-Definition	https://youtu.be/Edl5zyB_ib4
2	Language Heirarchy	https://youtu.be/vLk54Vkn_TY
3	String operations and languages	https://youtu.be/xrEoOOifSFE



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SUBJECT : OBJECT ORIENTED CONCEPTS (18CS45)

SL NO	TITLE	LINK
1	Java Swing 1	https://youtu.be/fkzNyRf8QtY
2	Java Swing 2	https://youtu.be/kYgu2s_wgHk
3	Module3-Part1	https://youtu.be/7wMrmMI6c6k
4	Inheritance concepts	https://youtu.be/e-6A62RtHtU
5	Exception Handling	https://youtu.be/BlusVJ24Nns
6	Packages and Inheritance	https://youtu.be/i-CxzpRp-FU
7	MODULE4-part2	https://youtu.be/8vQRHJJCARo
8	Event Handling	https://youtu.be/arbMrQi2Wsg



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SUBJECT : BIG DATA ANALYTICS (15CS82)

SL NO	TITLE	LINK
1	Association rule mining	https://youtu.be/aaLvqXdWiJl
2	Web mining and social network analysis	https://youtu.be/1B47YPCyMO4
3	Support vector machines	https://youtu.be/d2oBB_pWVyQ
4	Naive bayes analysis.	https://youtu.be/iNlsMApUMkl
5	Text mining	https://youtu.be/L8r1OzSksPc
6	Cluster analysis	https://youtu.be/OHBe2s6OSh0
7	Regression	https://youtu.be/i8g8X0flkIE
8	Decision trees	https://youtu.be/oscRv0Odwsl
9	Data visualisation	https://youtu.be/GWy-w4s_YdM
10	Data mining	https://youtu.be/2Pzlj-AycQQ
11	Data warehousing	https://youtu.be/7-JdcXiO3_g
12	Business intelligence concepts and application	https://youtu.be/hctyrbD2IRs



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SUBJECT : PYTHON APPLICATION PROGRAMMING (18CS752)

SL NO	TITLE	LINK
1	Database concepts,SQLite,creating database tables,Basic data modeling ,Three kinds of keys	https://youtu.be/C-bin9oM5KI
2	XML, Parsing XML, JSON, Parsing JSON, API, Security and API Usage	https://youtu.be/-tFoDI_m4tQ
3	HTTP, Retrieving an image over http, Retrieving web pages with url lib, parsing HTML and scraping the web	https://youtu.be/w0xHQ6pC03E
4	Pure functions, modifiers,prototyping/planning, object oriented features, init method, str method, operator overloading	https://youtu.be/yBnVyJe-I7A
5	Programmer defined type, Attributes,Rectangle, Objects are mutable,copying	https://youtu.be/akO3yOI7mPI
6	Character matching, extracting data, combining searching and extracting, escape character	https://youtu.be/UT0CwuSzaDM
7	Tuples introduction, comparing tuples, tuples assignment, dictionaries and tuples	https://youtu.be/CUT5ToehOhs
8	Dictionary introduction, dictionaries and files, looping in dictionaries, advanced text parsing	https://youtu.be/IQPdkGCuzhA
9	Lists introduction, traversing lists, lists operations, list arguments, lists and strings	https://youtu.be/zRWXZv5X_Gw