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| Operating System | |
| **PART: 01** | **GATE EXAM – Operating System** |
|  | [Operating System Syllabus](https://www.youtube.com/watch?v=bkSWJJZNgf8&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=1&pp=iAQB) |
|  | [Introduction to Operating System and Its Functions](https://www.youtube.com/watch?v=WJ-UaAaumNA&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=2&pp=iAQB) |
|  | [Batch Operating System | Types of Operating System](https://www.youtube.com/watch?v=povNcHSasgs&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=3&pp=iAQB) |
|  | [Multiprogramming and Multitasking Operating System](https://www.youtube.com/watch?v=3MqyDWDpZoI&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=4&pp=iAQB) |
|  | [Types of OS (Real Time, Distributed, Clustered and Embedded)](https://www.youtube.com/watch?v=YQZbIT9FcUk&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=5&pp=iAQB) |
|  | [Process States in Operating System](https://www.youtube.com/watch?v=2dJdHMpCLIg&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=6&pp=iAQB) |
|  | [Important Linux Commands](https://www.youtube.com/watch?v=-Mq8Mm_NGxI&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=7&pp=iAQB) |
|  | [System Calls in Operating System and Its Types](https://www.youtube.com/watch?v=tWPa-rZiGM8&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=8&pp=iAQB) |
|  | [Fork System Call with Example](https://www.youtube.com/watch?v=ixq5cpdEO2Q&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=9&pp=iAQB) |
|  | [Fork System Call with Explanation](https://www.youtube.com/watch?v=uMMvYLB4cys&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=10&pp=iAQB) |
|  | [User Mode and Kernel Mode in Operating System](https://www.youtube.com/watch?v=8duV1LLHHJU&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=11&pp=iAQB) |
|  | [Process vs Threads in Operating System](https://www.youtube.com/watch?v=ITc09gOrqZk&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=12&pp=iAQB) |
|  | [User Level vs Kernle Level Thread in Operating System](https://www.youtube.com/watch?v=-NONm-Jq34Y&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=13&pp=iAQB) |
|  | [Process Scheduling Algorithms (Preemption vs Non-Preemption) | CPU Scheduling](https://www.youtube.com/watch?v=zFnrUVqtiOY&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=14&pp=iAQB) |
|  | [What is Arrival, Burst, Completion, Turnaround, Waiting and Response Time in CPU](https://www.youtube.com/watch?v=n7Owxwfr6Ko&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=15&pp=iAQB) |
|  | [First Come First Serve (FCFS) CPU Scheduling Algorithm with Example](https://www.youtube.com/watch?v=MZdVAVMgNpA&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=16&pp=iAQB) |
|  | [Shortest Job First (SJF) Scheduling Algorithm with Example](https://www.youtube.com/watch?v=VCIVXPoiLpU&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=17&pp=iAQB) |
|  | [Shortest Remaining Time First (SJF with Preemption) Scheduling Algorithm](https://www.youtube.com/watch?v=hoN7_VMzw_g&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=18&pp=iAQB) |
|  | [Shortest Job First (SJF with Preemption) Scheduling Algorithm](https://www.youtube.com/watch?v=kbfCRoNAPbY&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=19&pp=iAQB) |
|  | [Round Robin (RR) CPU Scheduling Algorithm with Example](https://www.youtube.com/watch?v=TxjIlNYRZ5M&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=20&pp=iAQB) |
|  | [Pre-emptive Priority Scheduling Algorithm with Example](https://www.youtube.com/watch?v=rsDGfFxSgiY&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=21&pp=iAQB) |
|  | [Example of Mix Burst Time (CPU and I/O both) in CPU Scheduling](https://www.youtube.com/watch?v=0T5PlFVA9_k&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=22&pp=iAQB) |
|  | [Multi-Level Queue Scheduling](https://www.youtube.com/watch?v=hBPYP0ZEvS8&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=23&pp=iAQB) |
|  | [Multilevel Feedback Queue Scheduling](https://www.youtube.com/watch?v=-94WGbrWveI&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=24&pp=iAQB) |
|  | [Process Synchronization Process Types | Race Condition](https://www.youtube.com/watch?v=3Eaw1SSIqRg&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=25&pp=iAQB) |
|  | [Producer Consumer Problem | Process Synchronization Problem](https://www.youtube.com/watch?v=iMD1Z3f9ioI&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=26&pp=iAQB) |
|  | [Printer-Spooler Problem | Process Synchronization Problem](https://www.youtube.com/watch?v=16NMm0jvu2w&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=27&pp=iAQB) |
|  | [Critical Section Problem | Mutual Exclusion, Progress and Bounded Waiting](https://www.youtube.com/watch?v=qMQsd7Iy5jo&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=28&pp=iAQB) |
|  | [LOCK Variable in OS | Process Synchronization](https://www.youtube.com/watch?v=TrV_dOX_YHw&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=29&pp=iAQB) |
|  | [Test and Set Instruction in OS | Process Synchronization](https://www.youtube.com/watch?v=9hzoO4hBXFw&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=30&pp=iAQB) |
|  | [Tum Variable | Strict Alteration Method | Process Synchronization](https://www.youtube.com/watch?v=kMlJT1BDIMg&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=31&pp=iAQB) |
|  | [Semaphores | Wait, Signal Operation | Counting Semaphore Examples](https://www.youtube.com/watch?v=eoGkJWgxurQ&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=32&pp=iAQB) |
|  | [What is Binary Semaphore | Easiest Explanation](https://www.youtube.com/watch?v=l5-3mbBV1BQ&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=33&pp=iAQB) |
|  | [Practice Question on Binary Semaphore](https://www.youtube.com/watch?v=Tav67viXmpA&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=34&pp=iAQB) |
|  | [Solution of Producer Consumer Problem Using Semaphore](https://www.youtube.com/watch?v=hh9g5kKl_aE&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=35&pp=iAQB) |
|  | [Solution of Readers-Writers Problem Using Binary Semaphore](https://www.youtube.com/watch?v=Zdzp5k3eSYg&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=36&pp=iAQB) |
|  | [Dining Philosophers Problem and Solution Using Semaphore](https://www.youtube.com/watch?v=HHoB2t_B6MI&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=37&pp=iAQB) |
|  | [DEADLOCK Concept Example | Necessary Condition](https://www.youtube.com/watch?v=rWFH6PLOIEI&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=38&pp=iAQB) |
|  | [Resource Allocation Graph in Deadlock | Single Instance with Example](https://www.youtube.com/watch?v=BW74JYB3QOM&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=39&pp=iAQB) |
|  | [Multi-Instance Resource Allocation Graph with Example](https://www.youtube.com/watch?v=hJhB2ddOQtg&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=40&pp=iAQB) |
|  | [Deadlock Handling Methods and Deadlock Prevention](https://www.youtube.com/watch?v=pPM9Ajqmy_4&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=41&pp=iAQB) |
|  | [Deadlock Avoidance Banker’s Algorithm with Example](https://www.youtube.com/watch?v=7gMLNiEz3nw&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=42&pp=iAQB) |
| - | [GATE Question on Banker’s Algorithm | Deadlock Avoidance](https://www.youtube.com/watch?v=k8BHyy6gBls&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=43&pp=iAQB) |
| - | [Question Explanation on Deadlock](https://www.youtube.com/watch?v=mGBjd2WoODs&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=44&pp=iAQB) |
| - | [GATE Question Explanation](https://www.youtube.com/watch?v=6uEf_F1S-Jo&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=45&pp=iAQB) |
|  | [Memory Management and Degree of Multiprogramming](https://www.youtube.com/watch?v=eESIFJz7mJw&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=46&pp=iAQB) |
|  | [Memory Management Techniques | Contiguous and Non-Contiguous](https://www.youtube.com/watch?v=FrTttJLN7Kw&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=47&pp=iAQB) |
|  | [Internal Fragmentation | Fixed Size Partitioning | Memory Management](https://www.youtube.com/watch?v=bK-VhQA512c&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=48&pp=iAQB) |
|  | [Variable Size Partitioning | Memory Management](https://www.youtube.com/watch?v=JdPmsrYqRDY&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=49&pp=iAQB) |
|  | [First Fit, Next Fit, Best Fit, Worst Fit Memory Allocation](https://www.youtube.com/watch?v=N3rG_1CEQkQ&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=50&pp=iAQB) |
| - | [GATE Question Solved on First Fit, Best Fit and Worst Fit Memory Allocation](https://www.youtube.com/watch?v=W7wDlABjCQI&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=51&pp=iAQB) |
| - | [GATE Question Solved on First Fit, Best Fit and Worst Fit Memory Allocation with Timeline](https://www.youtube.com/watch?v=XOFTINaUZt8&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=52&pp=iAQB) |
|  | [Need of Paging | Memory Management](https://www.youtube.com/watch?v=I2TbCGNv1xQ&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=53&pp=iAQB) |
|  | [What is Paging | Memory Management](https://www.youtube.com/watch?v=6c-mOFZwP_8&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=54&pp=iAQB) |
| - | [Question Explanation on Logical Address and Physical Address Space](https://www.youtube.com/watch?v=30P73tWmU0s&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=55&pp=iAQB) |
| - | [Question Explanation on Paging | Memory Management](https://www.youtube.com/watch?v=L80DakYu4uw&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=56&pp=iAQB) |
|  | [Page Table Entries Format of Page Table](https://www.youtube.com/watch?v=JyPMJnnkNmQ&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=57&pp=iAQB) |
|  | [2-Level Paging in Operating System | Multilevel Paging](https://www.youtube.com/watch?v=PiEq1CoP0ds&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=58&pp=iAQB) |
|  | [Inverted Paging | Memory Management](https://www.youtube.com/watch?v=spApKfUa8BI&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=59&pp=iAQB) |
| - | [Questions Paging in Operating System](https://www.youtube.com/watch?v=ucNJMcX-duE&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=60&pp=iAQB) |
|  | [What is Thrashing](https://www.youtube.com/watch?v=IyWaK8pbN6A&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=61&pp=iAQB) |
|  | [Segmentation vs Paging | Segmentation Working](https://www.youtube.com/watch?v=dz9Tk6KCMlQ&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=62&pp=iAQB) |
|  | [Overlay | Memory Management](https://www.youtube.com/watch?v=Quj-Goz4VMA&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=63&pp=iAQB) |
|  | [Virtual Memory | Page Fault | Significance of Virtual Memory](https://www.youtube.com/watch?v=o2_iCzS9-ZQ&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=64&pp=iAQB) |
|  | [Translation Lookaside Buffer (TLB) in Operating System](https://www.youtube.com/watch?v=Z2T2vnyZl0o&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=65&pp=iAQB) |
|  | [Numerical On Translation Lookaside Buffer (TLB)](https://www.youtube.com/watch?v=Z4vzWxCcDCY&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=66&pp=iAQB) |
|  | [Page Replacement Introduction | FIFO Page Replacement Algorithm](https://www.youtube.com/watch?v=8rcUs5RutX0&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=67&pp=iAQB) |
|  | [Belady’s Anomaly in FIFO Page Replacement with Example](https://www.youtube.com/watch?v=pR1uhp--COc&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=68&pp=iAQB) |
|  | [Optimal Page Replacement Algorithm](https://www.youtube.com/watch?v=q2BpMvPhhrY&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=69&pp=iAQB) |
|  | [Least Recently Used Page Replacement Algorithm](https://www.youtube.com/watch?v=dYIoWkCvd6A&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=70&pp=iAQB) |
|  | [Most Recently Used Page Replacement Algorithm](https://www.youtube.com/watch?v=H3BU_Do_l-Q&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=71&pp=iAQB) |
|  | [Hard Disk Architecture in Operating System](https://www.youtube.com/watch?v=sveZw_GG_cs&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=72&pp=iAQB) |
|  | [Disk Access Time with Example | Seek Time Rotational Time and Transfer Time](https://www.youtube.com/watch?v=udZi6uiR8bM&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=73&pp=iAQB) |
|  | [Disk Scheduling Algorithm](https://www.youtube.com/watch?v=9uoa_p8q47Y&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=74&pp=iAQB) |
|  | [FCFS in Disk Scheduling with Example](https://www.youtube.com/watch?v=yP89YlEGCqA&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=75&pp=iAQB) |
|  | [SSTF in Disk Scheduling with Example](https://www.youtube.com/watch?v=P_dA8VGJjA8&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=76&pp=iAQB) |
|  | [SCAN Algorithm in Disk Scheduling with Example](https://www.youtube.com/watch?v=xouo556RGiE&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=77&pp=iAQB) |
|  | [LOOK Algorithm in Disk Scheduling with Example](https://www.youtube.com/watch?v=Q2qcqX_hvR0&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=78&pp=iAQB) |
|  | [C-SCAN Algorithm in Disk Scheduling with Example](https://www.youtube.com/watch?v=vLqZ6ZMBkX8&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=79&pp=iAQB) |
|  | [C-LOOK Algorithm in Disk Scheduling with Example](https://www.youtube.com/watch?v=gwCgG5ORXW8&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=80&pp=iAQB) |
| - | [Question On Operating system](https://www.youtube.com/watch?v=AF3FoARvtcc&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=81&pp=iAQB) |
|  | [File System in Operating system | Windows, Linux, Unix, Android, Etc](https://www.youtube.com/watch?v=0LtuQhNFFe0&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=82&pp=iAQB) |
|  | [File Attributes and Operations in Operating System](https://www.youtube.com/watch?v=q1wGGZbOr4s&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=83&pp=iAQB) |
|  | [Allocation Methods in Operating System | Contiguous and Non-Contiguous](https://www.youtube.com/watch?v=J6wVO4pvUCw&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=84&pp=iAQB) |
|  | [Contiguous Allocation in Operating System | Advantages and Disadvantages](https://www.youtube.com/watch?v=XHx-ms5Ldi4&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=85&pp=iAQB) |
|  | [Linked List Allocation in File Allocation whit Example](https://www.youtube.com/watch?v=irGdM3iIS54&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=86&pp=iAQB) |
|  | [Indexed File Allocation in Operating System](https://www.youtube.com/watch?v=S6lLRz7SQUw&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=87&pp=iAQB) |
|  | [Unix Inode Structure with Numerical Example](https://www.youtube.com/watch?v=BJ13GsC0_os&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=88&pp=iAQB) |
|  | [Protection and Security in Operating System](https://www.youtube.com/watch?v=DKb7KhfoZmU&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=89&pp=iAQB) |
| - | [Linker and Loader with Example](https://www.youtube.com/watch?v=j7VU5A8ajSA&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p&index=92&pp=iAQB) |

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| Computer Networks and Security | |
| **PART: 01** | **GATE EXAM – Computer Networks and Security** |
|  | [Computer Networks and Security Full Syllabus](https://www.youtube.com/watch?v=JFF2vJaN0Cw&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=1&pp=iAQB) |
|  | [Introduction to Computer Network | OSI Model in Easiest Way](https://www.youtube.com/watch?v=4D55Cmj2t-A&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=2&pp=iAQB) |
|  | [LAN, MAN, WAN, PAN, CAN | Computer](https://www.youtube.com/watch?v=n0iaPtsnmxQ&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=3&pp=iAQB) |
|  | [TCP/IP Protocol Suite | Internet Protocol Suite | OSI vs TCP/IP](https://www.youtube.com/watch?v=GfaHdjApnhU&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=4&pp=iAQB) |
|  | [Physical Layer in Computer Network | Function of Physical Layer](https://www.youtube.com/watch?v=lg-f92uY1Lc&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=5&pp=iAQB) |
|  | [Topologies in Computer Network Part-1 | Mesh, Star, Hub, Bus, Hybrid](https://www.youtube.com/watch?v=uDulBxDb7GM&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=6&pp=iAQB) |
|  | [Topologies in Computer Network Part-2 | Mesh, Star, Hub, Bus, Hybrid](https://www.youtube.com/watch?v=7t0YJWTjmdI&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=7&pp=iAQB) |
|  | [Manchester Encoding and Differential Manchester Encoding](https://www.youtube.com/watch?v=3IaB2a8tXLA&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=8&pp=iAQB) |
|  | [Various Devices in Computer Networks | Hardware and Software Devices](https://www.youtube.com/watch?v=YxyLN3N5w9s&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=9&pp=iAQB) |
|  | [Types of Cables in Computer Networks | Coaxial, Twisted Pair, Fiber Optic Cable](https://www.youtube.com/watch?v=wuI6FGsOFZU&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=10&pp=iAQB) |
|  | [Repeaters in Computer Networks | Physical Layer Devices](https://www.youtube.com/watch?v=mf4bRP_puNQ&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=11&pp=iAQB) |
|  | [Hub in Computer Networks | Physical Layer Devices](https://www.youtube.com/watch?v=3N5a9cHYzCM&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=12&pp=iAQB) |
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|  | [Routers in Computer Networks | Physical, Data Link and Network Layer Device](https://www.youtube.com/watch?v=JhBnOamc_8s&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=15&pp=iAQB) |
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|  | [What is Circuit Switching in Computer Networks](https://www.youtube.com/watch?v=Cug52cpjM_g&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=17&pp=iAQB) |
|  | [Packet Switching in Computer Networks](https://www.youtube.com/watch?v=_0mE6PH1E4c&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=18&pp=iAQB) |
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|  | [What is Message Switching in Computer Networks](https://www.youtube.com/watch?v=T1rSrLPHLLI&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=20&pp=iAQB) |
|  | [Unicast, Broadcast and Multicast in Computer Networks](https://www.youtube.com/watch?v=EcWhJbEWxHU&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=21&pp=iAQB) |
|  | [Data Link Layer in Computer Networks and Its Responsibilities](https://www.youtube.com/watch?v=JRgmPco0KWI&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=22&pp=iAQB) |
|  | [Stop and Wait ARQ Protocol | Data Link Layer](https://www.youtube.com/watch?v=YIX1NfaUpsU&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=23&pp=iAQB) |
|  | [Go-Back-N ARQ (Automatic Repeat Request | Data Link Layer](https://www.youtube.com/watch?v=zc88y9HTAOA&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=24&pp=iAQB) |
|  | [Selective Repeat ARQ (Automatic Repeat Request) Data Link Layer](https://www.youtube.com/watch?v=08y_Vrs1vHo&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=25&pp=iAQB) |
|  | [Various Flow Control Protocols | Stop and Wait, GoBackN and Selective Repeat](https://www.youtube.com/watch?v=yNedVgNyE8Q&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=26&pp=iAQB) |
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|  | [Introduction to Error Detection and Correction](https://www.youtube.com/watch?v=U7-h2hyM1Dc&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=28&pp=iAQB) |
|  | [Single Bit Parity Along with Hamming Distance Concept](https://www.youtube.com/watch?v=U09cNsiYpc8&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=29&pp=iAQB) |
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|  | [Pure Aloha vs Slotted Aloha](https://www.youtube.com/watch?v=ggdeb2_z240&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=34&pp=iAQB) |
|  | [Carrier Sense Multiple Access in Computer Network](https://www.youtube.com/watch?v=IftFvfSywCQ&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=35&pp=iAQB) |
|  | [Carrier Sense Multiple Access / Collision Detection | CSMA/CD](https://www.youtube.com/watch?v=v_z888gQWq0&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=36&pp=iAQB) |
|  | [CSMA/CA in Computer Network Full Explanation](https://www.youtube.com/watch?v=reQ938TeFHM&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=37&pp=iAQB) |
|  | [Question on CSMA/CD](https://www.youtube.com/watch?v=oNOVfVcWBXc&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=38&pp=iAQB) |
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|  | [Class A in IP Addressing with Example | Class-full Addressing | Network Layer](https://www.youtube.com/watch?v=iurle2xZrBQ&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=42&pp=iAQB) |
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|  | [Find Range, Network ID, Host, Broadcast Address with Numerical Example](https://www.youtube.com/watch?v=vTzrn_M77mo&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=46&pp=iAQB) |
|  | [Disadvantages of Class-full Addressing | IP Addressing](https://www.youtube.com/watch?v=ARfwnD6X6ZI&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=47&pp=iAQB) |
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|  | [Sub-netting in Class-full Addressing with Examples](https://www.youtube.com/watch?v=rdb2ki4iGuo&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=49&pp=iAQB) |
|  | [Variable Length Subnet Masking (VLSM) with Examples](https://www.youtube.com/watch?v=mhVATrk0OhU&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=50&pp=iAQB) |
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| - | [Question Numerical CIDR | Class-less Addressing](https://www.youtube.com/watch?v=jXioURQ2v8E&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=52&pp=iAQB) |
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|  | [Fragmentation of IPv4 Datagram | Identification, Flags and Fragment Offset | Networks](https://www.youtube.com/watch?v=k8VgrqDOIUo&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=55&pp=iAQB) |
|  | [Options and Padding in IPv4 Header](https://www.youtube.com/watch?v=W1UzRlh1gNc&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=56&pp=iAQB) |
|  | [IPv6 Header Format | IPv4 vs IPv6 in Computer Network](https://www.youtube.com/watch?v=U3rGOTxwXAI&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=57&pp=iAQB) |
|  | [What is Routing Protocols | Various Types of Routing Protocols](https://www.youtube.com/watch?v=rA0p0ouD3aE&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=58&pp=iAQB) |
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|  | [Link State Routing in Computer Network](https://www.youtube.com/watch?v=kW6zV-040SY&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=61&pp=iAQB) |
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|  | [NAT Explained – Network Address Translation with Example](https://www.youtube.com/watch?v=47PUj7OSGkA&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=63&pp=iAQB) |
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|  | [Why Both IP and Port Address is Used for Connection | Socket Address Real Life Example](https://www.youtube.com/watch?v=zddG06-1Fl0&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=65&pp=iAQB) |
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|  | [TCP: Transmission Control Protocol | TCP Header | Transport Layer Part-2](https://www.youtube.com/watch?v=hsNuqtfxgRI&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=67&pp=iAQB) |
|  | [TCP Connection Establishment and Connection Termination | Transport Layer](https://www.youtube.com/watch?v=qIEHUUt2Wfc&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=68&pp=iAQB) |
|  | [TCP Data Transfer | Piggybacking and Pure Acknowledgement](https://www.youtube.com/watch?v=7zPfuIf4GL0&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=69&pp=iAQB) |
|  | [Connection Termination in TCP with Example](https://www.youtube.com/watch?v=dJIAComFq9U&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=70&pp=iAQB) |
|  | [TCP Congestion Control in Computer Networks](https://www.youtube.com/watch?v=0bc_T_pEZmo&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=71&pp=iAQB) |
|  | [UDP (User Datagram Protocol) Header in Computer Network](https://www.youtube.com/watch?v=HF_znV8x9a0&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=72&pp=iAQB) |
|  | [Advantages of UDP Protocol Over TCP | Transport Layer](https://www.youtube.com/watch?v=Zs0VixZqgzA&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=73&pp=iAQB) |
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|  | [Presentation Layer in Computer Network | OSI Model](https://www.youtube.com/watch?v=cj4OxZRJUdw&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=76&pp=iAQB) |
|  | [Application Layer of OSI Model | Application Layer Protocols and Port No](https://www.youtube.com/watch?v=8An0dRalJeM&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=77&pp=iAQB) |
|  | [Domain Name System (DNS) in Computer Networks](https://www.youtube.com/watch?v=vhfRArT11jc&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=78&pp=iAQB) |
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|  | [SMTP vs POP3 vs IMAP with Real Life Example | Application Layer Protocols](https://www.youtube.com/watch?v=cjPVlxmf_Vk&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=82&pp=iAQB) |
|  | [Cryptography in Computer Network Cryptography in Information Security](https://www.youtube.com/watch?v=trHox1bN5es&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=83&pp=iAQB) |
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| - | [Question on Network Security | Symmetric Key Cryptography](https://www.youtube.com/watch?v=JUi2x_WbVO0&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=85&pp=iAQB) |
|  | [Asymmetric Key Cryptography with Example | Network Security](https://www.youtube.com/watch?v=xw19eT5thIE&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=86&pp=iAQB) |
|  | [RSA Algorithm in Network Security with Examples](https://www.youtube.com/watch?v=VUxfDCmWM0U&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=87&pp=iAQB) |
|  | [What is Firewalls and How it Works | Packet Filtering Firewall Explained](https://www.youtube.com/watch?v=o_vyfo3Hw0Y&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=88&pp=iAQB) |
|  | [What is Application (Proxy) Firewall | Network Security Part-2](https://www.youtube.com/watch?v=CHtTLireUCA&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=89&pp=iAQB) |
| - | [Questions on Computer Networks](https://www.youtube.com/watch?v=DujE2sRVpeY&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=90&pp=iAQB) |
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|  | [Top Linux Network Commands](https://www.youtube.com/watch?v=Ovm-qqdPKn8&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=92&pp=iAQB) |
|  | [Socket Programming in Computer Networks](https://www.youtube.com/watch?v=XTVTlEhGS6w&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=93&pp=iAQB) |
|  | [Need of IPv6 Protocol | Why IPv6 is Required](https://www.youtube.com/watch?v=0os5MOAKRL0&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=94&pp=iAQB) |
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|  | [Basic of Communication](https://www.youtube.com/watch?v=kon5GS_OWl4&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=97&pp=iAQB) |
|  | [Bandwidth vs Throughput vs Latency](https://www.youtube.com/watch?v=cDVNU2j26Bs&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=98&pp=iAQB) |
|  | [Fast Ethernet vs Gigabit Ethernet with Examples](https://www.youtube.com/watch?v=V1y8fkNWp8c&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=99&pp=iAQB) |
|  | [What is Ping and Loopback in Network](https://www.youtube.com/watch?v=78hvo-30ayg&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=100&pp=iAQB) |
|  | [HTPP vs HTTPs with Examples](https://www.youtube.com/watch?v=FmgIQBQ87fo&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=101&pp=iAQB) |
|  | [TCP/IP Protocol Suite with Real Live Examples | Why TCP/IP Used | Fundamentals](https://www.youtube.com/watch?v=TVr0RZ1-74g&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=102&pp=iAQB) |
|  | [IPSec vs SSH vs. SSL/TLS Network Security Protocols](https://www.youtube.com/watch?v=G9Px24hHlUA&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=103&pp=iAQB) |
|  | [What is VPN | How VPN Works | Virtual Private Network (VPN) with Real Life Example](https://www.youtube.com/watch?v=JFXBjlT5cGU&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=104&pp=iAQB) |

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| Security System | |
| **PART: 01** | **Cyber Security** |
|  | [Course Outline](https://www.youtube.com/watch?v=RVR25MzHnCI&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=1&pp=iAQB) |
|  | [Requirement](https://www.youtube.com/watch?v=ZXM-9YONmHc&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=2&pp=iAQB) |
|  | [Getting Ready](https://www.youtube.com/watch?v=OpMMrayXfyM&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=3&pp=iAQB) |
|  | [Effective Note Keeping](https://www.youtube.com/watch?v=VZPhj7aAwr8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=4&pp=iAQB) |
|  | [Connect with Community](https://www.youtube.com/watch?v=g6yqSxIjIYc&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=5&pp=iAQB) |
|  | [What is Cyber Security](https://www.youtube.com/watch?v=8iWB0iF0NRU&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=6&pp=iAQB) |
|  | [History of Cyber Attacks](https://www.youtube.com/watch?v=1cKHzJOOMKs&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=7&pp=iAQB) |
|  | [Inclusion Detection System](https://www.youtube.com/watch?v=DgrfsOD5cBk&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=8&pp=iAQB) |
|  | [Careers in Cyber Security](https://www.youtube.com/watch?v=HyjI61jVQz8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=9&pp=iAQB) |
|  | [Types of Hackers](https://www.youtube.com/watch?v=FL-Uz8UkZQ8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=10&pp=iAQB) |
|  | [Cyber Threats, Malware](https://www.youtube.com/watch?v=Y2dLcLTBCB8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=11&pp=iAQB) |
|  | [Phishing](https://www.youtube.com/watch?v=BscntB2Xj1Q&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=12&pp=iAQB) |
|  | [MITM Attacks](https://www.youtube.com/watch?v=I70q4vxmi5k&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=13&pp=iAQB) |
|  | [DDOS Attacks](https://www.youtube.com/watch?v=ZXQt3JPPrjk&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=14&pp=iAQB) |
|  | [Password Attacks](https://www.youtube.com/watch?v=KhSdDUC9zNE&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=15&pp=iAQB) |
|  | [Maladvertising](https://www.youtube.com/watch?v=EyifDT5DQ-o&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=16&pp=iAQB) |
|  | [Rouge Software](https://www.youtube.com/watch?v=MOxUB3UlfhU&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=17&pp=iAQB) |
|  | [What is Penetration Testing](https://www.youtube.com/watch?v=6oo7VCSdvEs&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=18&pp=iAQB) |
|  | [Types of Penetration Testing](https://www.youtube.com/watch?v=FHW2T084kyA&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=19&pp=iAQB) |
|  | [States of Penetration Testing](https://www.youtube.com/watch?v=Hzq_lXZHLz4&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=20&pp=iAQB) |
|  | [Hashing and Digital Signatures](https://www.youtube.com/watch?v=NZqDH7q2O-M&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=21&pp=iAQB) |
|  | [Cryptography](https://www.youtube.com/watch?v=htXmKoqsTCc&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=22&pp=iAQB) |
|  | [The CIA Traid](https://www.youtube.com/watch?v=xBT7h5TmA60&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=23&pp=iAQB) |
|  | [Foot Printing](https://www.youtube.com/watch?v=dFfAHts-Oy8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=24&pp=iAQB) |
|  | [Linux Started](https://www.youtube.com/watch?v=s_aJHKZfDS0&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=25&pp=iAQB) |
|  | [What is Linux](https://www.youtube.com/watch?v=s_aJHKZfDS0&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=25&pp=iAQB) |
|  | [What is Linux](https://www.youtube.com/watch?v=cRB2fJPOfG8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=26&pp=iAQB) |
|  | [Installing Linux VM](https://www.youtube.com/watch?v=lD09aHagXVA&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=27&pp=iAQB) |
|  | [Linux File System](https://www.youtube.com/watch?v=N028R6kqtzk&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=28&pp=iAQB) |
|  | [Linux Commands](https://www.youtube.com/watch?v=3xWo7A8Xhzs&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=29&pp=iAQB) |
|  | [Important and Sensitive Linux Files](https://www.youtube.com/watch?v=FGoeXukNJHY&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=30&pp=iAQB) |
|  | [What is Network](https://www.youtube.com/watch?v=ryZJn1KoUUo&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=31&pp=iAQB) |
|  | [IP Addresses](https://www.youtube.com/watch?v=pZ1Dz4AhzcE&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=32&pp=iAQB) |
|  | [Switches and Routes](https://www.youtube.com/watch?v=FhfjyxGlQ9A&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=33&pp=iAQB) |
|  | [Ports and Protocols](https://www.youtube.com/watch?v=q78ydrn4ZnY&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=34&pp=iAQB) |
|  | [NMAP](https://www.youtube.com/watch?v=3SBGzaHx6No&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=35&pp=iAQB) |
|  | [TCP and UDP Protocols](https://www.youtube.com/watch?v=YxtHcIvpHFE&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=36&pp=iAQB) |
|  | [What is Website](https://www.youtube.com/watch?v=FbEDcqV6q_M&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=37&pp=iAQB) |
|  | [What is Database](https://www.youtube.com/watch?v=EEaVo9G9bGU&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=38&pp=iAQB) |
|  | [Client and Server](https://www.youtube.com/watch?v=oz8hro5B6IM&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=39&pp=iAQB) |
|  | [Domains and Sub-Domains](https://www.youtube.com/watch?v=G2C-N-rNL0M&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=40&pp=iAQB) |
|  | [Request and Response](https://www.youtube.com/watch?v=G12XwBexxnU&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=41&pp=iAQB) |
|  | [Cookies and Tasty](https://www.youtube.com/watch?v=vPeD_q4NHxY&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=42&pp=iAQB) |
|  | [HTTP and HTTPs](https://www.youtube.com/watch?v=QLOb6OY8wQ8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=43&pp=iAQB) |
|  | [HTTP Methods](https://www.youtube.com/watch?v=gTlfJQcGFf4&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=44&pp=iAQB) |
|  | [Burp Suite](https://www.youtube.com/watch?v=4lu-US-sx-Q&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=45&pp=iAQB) |
|  | [HTTP Status Codes](https://www.youtube.com/watch?v=36uhcX1T73g&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=46&pp=iAQB) |
|  | [OWASP-1](https://www.youtube.com/watch?v=eD3anOShL2s&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=47&pp=iAQB) |
|  | [OWASP-2](https://www.youtube.com/watch?v=YyaiDx3GlNg&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=48&pp=iAQB) |
|  | [OWASP-3](https://www.youtube.com/watch?v=y2KxnPoas-Y&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=49&pp=iAQB) |
|  | [OWASP-4](https://www.youtube.com/watch?v=5fzAi-Cmp_A&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=50&pp=iAQB) |
|  | [OWASP-5](https://www.youtube.com/watch?v=_6ON9sGZ0kg&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=51&pp=iAQB) |
|  | [Weapon zing](https://www.youtube.com/watch?v=WS2TB8_RiJk&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=52&pp=iAQB) |
|  | [Bug Bounty](https://www.youtube.com/watch?v=OtV-OA6tb-4&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=53&pp=iAQB) |
| **PART: 02** | **Cyber and Information Security** |
|  | [Information Security Basic Concepts](https://www.youtube.com/watch?v=QqntPZqNHms&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=1&pp=iAQB) |
|  | [Information Security Management and Governance](https://www.youtube.com/watch?v=ziuBRexf_Mg&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=2&pp=iAQB) |
|  | [Cryptography Hashing Ciphering](https://www.youtube.com/watch?v=T4pPmx2q99M&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=3&pp=iAQB) |
|  | [Message Authentication, SSL, TSL and Digital Signature](https://www.youtube.com/watch?v=Xw-L-kQxq5o&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=4&pp=iAQB) |
|  | [Risk Management and Business Continuity Management](https://www.youtube.com/watch?v=90yaFsiDc3w&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=5&pp=iAQB) |
|  | [Computer Security, Platform, Virtualization and Hyper-V](https://www.youtube.com/watch?v=Z9u8bulZwZQ&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=6&pp=iAQB) |
|  | [Digital Forensics and Incident Response, Evidence](https://www.youtube.com/watch?v=gbiCWiH0W3g&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=7&pp=iAQB) |
|  | [User Authentication, Passwords, Tokens and Biometrics](https://www.youtube.com/watch?v=b_A5nH2uz88&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=8&pp=iAQB) |
|  | [Identity Management and Access Control, OpenId](https://www.youtube.com/watch?v=YUlyJ8UrrCw&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=9&pp=iAQB) |
|  | [Communication Security, TSL, TCP/IP, HTTPS, SSL](https://www.youtube.com/watch?v=voS_C6csNnA&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=10&pp=iAQB) |
|  | [Network Perimeter Security, Firewalls, Proxies](https://www.youtube.com/watch?v=6ydQcxnVx3Y&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=11&pp=iAQB) |
|  | [Malicious Software, Attacks and Application Security](https://www.youtube.com/watch?v=zEHlCfus1nc&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=12&pp=iAQB) |
|  | [Review and Recap – Project](https://www.youtube.com/watch?v=d1C2kciqxpo&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=13&pp=iAQB) |
|  | [OWASP Top 10, Injection, XSS, Authentication Attack](https://www.youtube.com/watch?v=qOvo-ULPZ3o&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=14&pp=iAQB) |