No	Main Topic	Sub-Topic	LAB
1		Introduction to the course	N/A
2		Networks are Targets	N/A
3		Networks Topologies	N/A
4	Introduction to Information, Cyber , Network Security and Goal	Data Centre and Clouds	N/A
5		What is Information Security?	N/A
6		Cyber Vs Network Security	N/A
7		Understanding Network Security Challenges	N/A
8		Understanding CIA Security Triangle & Goal	N/A
7		Understanding Network Security Challenges	N/A
8		Understanding Reconnaissance Attacks	N/A
9		Understanding DDOS Attacks	N/A
10		Smurf Attacks	N/A
11		Spoofing Attacks	N/A
12		Man in the Middle Attack	N/A
13		What is Botnet?	N/A
14		Understanding Worm, virus, Malware, Trojan	N/A
15		Understanding Backdoors and Rootkits	N/A
16		Understanding Emails and Browser Attacks	N/A
17		What is Spyware?	N/A
18	Computer and Cyber Security Attacks and Threats	What is Adware?	N/A
19		What is Scareware?	N/A
20		Understanding Email and Browser attacks	N/A
21		Understanding Vishing, Pharming, Whaling	N/A
22		Understanding SEO Poisoning	N/A
23		Understanding Browser Hijacker	N/A
24		Understanding Type of Malware	N/A
25		What is Vulnerability?	N/A
26		Understanding Ransomeware Attack	N/A
27		Understanding Zero day Attacks	LAB
28		APT (Advance Persistent Threats), Malcious Content, Phishing, Crypto Minining	N/A
29		APT (Advance Persistent Threats), Cross Site Scripting	N/A
30		What is Social Engineering Deception?	N/A
31		Cyber Security 2019 Attacks	N/A
32		Understanding Stages of Attacks	N/A
33		Understanding Tools of Attacks	N/A
34		Cyber Security CounterMeasures (Part 1)	N/A
35		Cyber Security CounterMeasures (Part 2)	N/A
36		Security Experts & Criminals	N/A
37		Hackers VS Crackers	N/A
38		States of the Data	N/A
39		The Art of Protecting Secrets	N/A
40	Counter Measure	Access-Control	N/A
41		Obscuring Data	N/A
42		Ensuring Integrity via Hashing and Salting	N/A
43		Understanding Digital Signature	N/A
44		Understanding Digital Certificate	N/A
45		Understanding the Concpet of 5 to 9 - (Availability, Asset Management)	N/A
46		Asset Management, Defence in Depth	N/A
47		Understanding Redundancy	N/A
48		Incident Response Phases (CSIRT) & Disaster Recovery Planning	N/A

No	Main Topic	Sub-Topic	LAB
49		Business Continuity Planning	N/A
51		Concept of DMZ ?	N/A
52		Understanding Benefits of DMZ	N/A
53		Architecture of DMZ ?	N/A
54		How DMZ works?	N/A
55		What is Firewall ?	N/A
56	DMZ and Firewall	Benefits of Firewall	N/A
57		Types of Firewall	N/A
58		Firewall at OSI Layer	N/A
59		Packet Filtering VS Stateless Firewalls	N/A
60		Second Generation or Stateful Firewall	N/A
61		Stateless VS Statefull Firewall	N/A
62		ISO Models - Standardization	N/A
63		Introduction to Cisco ASA Firewall, hardware and IOS Version	N/A
64		Introduction to Cisco ASA Firewall, access via Remote VPN, 1st Time Login	✓
65		Introduction to Cisco ASA Firewall Architectect, Single/Multiple Mode, Context	N/A
66	Management Interface Setting - FW Management	Login to Cisco ASA Firewall multiple context via CLI and GUI	N/A
67		Introduction to Cisco ASA Firewall, LAB Topology and Student Folder and Testing	N/A
68		Resetting Cisco ASA Firewall to Factory Default	✓
69		Configuring Cisco ASA Firewall Telnet, SSH, HTTP	✓
70		Introduction to Cisco ASA Firewall Version, Interfaces and Nameif commands	✓
71		Introduction to Cisco ASA Firewall Routing	N/A
72	Routing	Configuring Cisco ASA Firewall Routing OSPF and Logging	✓
73		Configuring Cisco ASA Firewall Static and Default route	✓
74		Configuring Cisco ASA Firewall OSPF Routing and Testing	✓
75		Understading the Cisco ASA Firewall Philosophy	N/A
76		Cisco ASA Firewall Command Line Tools and Via Graphical User Interface (ASDM)	✓
77		Introduction Cisco ASA Firewall Access-List Access-List (ACL)	✓
78	GUI, CLI, Objects, NAT	Configuring Cisco ASA Firewall Access-List (ACL) comamnd Line and GUI	✓
79		Configuring Cisco ASA Firewall packet Tracer & and Update the Access-list (ACL)	✓
80		Introduction and Configuring the Cisco ASA Firewall Objects & Object-Group	✓
81		Introduction and Configuring Cisco ASA Firewall NAT via CLI and ASDM	✓
82		Understanding Cisco ASA Firewall Connection VS Translation	✓
83		Understanding and Configuring Cisco ASA Firewall Failover	✓
84		Configuring of Cisco ASA Firewall Failover and Verification	✓
85	Failover	Understanding and configuring the Cisco ASA Firewall Failover	✓
86		Cisco ASA Firewall Failover Testing	N/A
87		Cisco ASA Firewall Failover Advance	✓
88		Cisco ASA Firewall Static NAT	✓
89		Cisco ASA Firewall Cryptography (Part 1)	N/A
90		Cisco ASA Firewall Cryptography (Part 2)	N/A
91		Cisco ASA Firewall Cryptography (Part 3)	N/A
92		Cisco ASA Firewall Cryptography	N/A
93		Cisco ASA Firewall Cryptography - Hashes	N/A
94		Cisco ASA Firewall Cryptography - Message Digest	N/A
95	Static NAT, Cryptography	Cisco ASA Firewall Cryptography - Authenticity with HMAC	N/A
96		Cisco ASA Firewall Cryptography - Key Management	N/A
97		Cisco ASA Firewall Cryptography - Encryption	N/A
98		Cisco ASA Firewall Cryptography - Data Encryption Standard (DES)	N/A
99		Cisco ASA Firewall Alternate Encryption Algorithm	N/A

No	Main Topic	Sub-Topic	LAB
100		Cisco ASA Firewall Deffie-Hellman Key Exchange	N/A
101		Cisco ASA Firewall Symmetric vs Asymmetric Encryption	N/A
102		Cisco ASA Firewall Digital Signatures	N/A
103		Cisco ASA Firewall PKI-Public Key Infrastructure	N/A
104		Cisco ASA Firewall - What is Virtual Private Network (VPN) ?	N/A
105		Cisco ASA Firewall - Internet Protocol Security (Ipsec)	✓
106		Cisco ASA Firewall - ASA FW VS IOS VPN	✓
107		Cisco ASA Firewall - ASA FW VS IOS VPN (Part 2)	✓
108	VPN, RVPN	Cisco ASA Firewall - VPN LAN to LAN	✓
109		Cisco ASA Firewall - ASA FW VS IOS VPN LAN to LAN	✓
110		Cisco ASA Firewall - ASA FW VS IOS VPN Troubleshooting	✓
111		Cisco ASA Firewall - Remote VPN (RVPN)	N/A
112		Cisco ASA Firewall - Remote VPN (RVPN) Configuration	✓