

Cyber Security & Ethical Hacking		
Topic	Subtopics	Duration
Introduction to Cyber Security	Definition, importance, and scope Types of Cyber Threats Basic Concepts of CIA Cybersecurity Ethics, Principles and Best Practices	05th September (06:00-07:00)
Introduction to Linux	Basic commands Networking commands Service and logs. System Administration Commands Linux File system / Directory's	07th September (06:00-07:00)
Introduction to Windows	Access Control Types, Permissions, and UAC Windows Firewall and Windows Defender Windows Remote Management and RDP Basic CMD Commands and Batch Scripting Introduction to PowerShell Using CMD and PowerShell for System Administration and Basic Security Tasks	08th September (06:00-07:00) 09th September (06:00-07:00) 10th September (06:00-07:00)
Introduction to Networking	Types of networks Understanding network topologies Introduction to Network Protocols and Ports IP Addressing and Subnetting Firewall and its configuration.	13th September (06:00-07:00) 14th September (06:00-07:00)
Ethical Hacking	Footprinting, Reconnaissance, and Enumeration Vulnerability Assessment and Reporting. Windows and Linux System Hacking Password Cracking and hashing Wireshark and Network testing Wireless Network Hacking Digital Forensics. Cloud Computing and Security AWS/Azure Tor, Anonymous and Proxy service	17th September (06:00-07:00) 19th September (06:00-07:00) 21th September (06:00-07:00) 24th September (06:00-07:00)

Web App Security / Pentesting	Introduction to Web Hacking Introduction to Burp Suite Fuzzing & Directory Enumeration Subdomain Enumeration Authentication Bypass File inclusion Vulnerability. File upload vulnerability. Cross-site Scripting XSS Command Injection Sql Injection OWASP TOP 10-2041	29th September (06:00-07:00) 01st October (06:00-07:00) 04th October (06:00-07:00) 07th October (06:00-07:00)
SOC and SIEM	Security Operations Center (SOC) Security Incident and Event Management SIEM) Tools, installation, and configuration Building IDS, Firewalls, and Honeypots Deployment and monitoring Documenting and Reporting.	09th October (06:00-07:00) 13th October (06:00-07:00)
Red/Blue/Purple Team Scenarios	Blue Team Defense. Red Team Offensive testing. Purple Team Organization Task.	16th October (06:00-07:00) 18th October (06:00-07:00)
Offensive Penetration Testing	Attacking real world Vulnerable Service's Testing web application for Vulnerability Finding. Anonymity, Dark web, and secure communication.	22th October (06:00-07:00) 18th October (06:00-07:00)
Security Auditing	Comprehensive Security Checklists for Auditing,	22th October (06:00-07:00) 25th October (06:00-07:00)