



Netaji Subhas Open University

Centre for Lifelong Learning under the aegis of School of Vocational Studies
Massive Open Online Course (MOOC)

Title of the MOOC: *Fundamentals of Cyber Security*

(The course has been adopted from Uttarakhand Open University (vide letter No. UOU/SCS & IT/OER/2160 dated 12/2/2019))

About the Course: Cyber space is a very wide term which includes computers, networks, software, data storage devices, internet, websites, e-mails and even electronic devices such as cell phones, ATM machines etc. The course is intended to give an idea on cyber security. The course is divided into twenty four units which include various aspects of cyber space, cyber security technique etc.

The law governing all the instruments included in the cyber space is called Cyber law. Cyber-crime is the latest and perhaps the most complicated problem in the cyber world. Cyber-crimes are unlawful acts where computer is used either as a tool, or a target, or both. The enormous growth in electronic commerce (e-commerce), online transaction and learning on digital platform has led to a phenomenal spurt in incidents of cyber-crime.

Outcomes of this course: Participants will:

- Gain a knowledge of operational aspects of digital platform in daily life
- Learn how to use the digital platform in every day life
- Know the various aspects of cyber laws
- Receive a certificate on completion of required activities.

Intended Audience: working professionals/ common people.

Duration: 7 weeks

Engagement time: 2-3 hours per week

Level: Introductory

Course structure:

Week 1

Module 1: Introduction to Cyber Space

U-1: Basics of Internet

U-2: Cyber Crime

U-3: Information Security

U-4: Computer Ethics & Security Policies

Quiz-1

Week 2

Module 2: Choosing the best browser as per the requirement & Email Security

U-5: Guidelines to choose Web Browsers

U-6: Security measures for using Web Browsers

U-7: Antivirus

U-8: Email Security

Quiz-2

Week 3

Module 3: Guidelines for Social Media and basic Windows Security

U-9: Guidelines for Social Media Security

U-10: Tips & best practices for Safer Social Media Networking

U-11: Best Security Practices for Windows Desktops & Laptops

U-12: Guidelines for generation of User Accounts & Passwords

Quiz-3

Week 4

Module 4: Smartphone Security Guidelines

U-13: Introduction to Mobile Devices (Smartphones, Tablets & others)

U-14: Security Techniques for using Mobile Devices

U-15: Best Security Practices for Android Devices

U-16: Best Security Practices for IOS Devices

Quiz-4

Week 5

Module 5: Online Banking, Credit Card & UPI Security, POS & ATM Security

U-17: Online Banking Security Techniques

U-18: Mobile Banking Security Techniques

U-19: Security for Debit & Credit Cards,

U-20: UPI & e-Wallet Security Guidelines, Security for using Micro-ATMs & POS (Point of Sales)

Quiz-5

Week 6

Module 6: Cyber Security Initiatives in India

U-21: Counter Cyber Security Initiatives in India

U-22: Cyber Security Incident Handling

U-23: How Cyber Criminal Works & Cyber Laws

U-24: IT ACT & how to prevent yourself from being a victim of Cyber Crime

Quiz-6

Week 7

Graded Assignment-MCQ

Certification:

Certificate of Completion: Requires 70% on the assignment, participation in at least 5 discussion forums (A fees for assignments may be applicable).

Certificate will be issued by the *Centre for Lifelong Learning* (CLL) under the aegis of School of Vocational Studies, Netaji Subhas Open University.

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