

**DSE-02C : Discipline Specific Elective - 2
Technology, Safety and Security**

**B.A. (Hons.) Humanities & Social Sciences - Semester IV
Cluster Innovation Centre, University of Delhi**

Credit Distribution, Eligibility and Pre-requisites of the Course						
Course Title & Code	Credits	Credit Distribution			Eligibility Criteria	Pre-requisite
		L	T	P		
Technology, Safety and Security (UPC: 3123102009)	4	1	0	3	Class XII Pass	Students must be familiar with the concepts (or related concepts) taught under Technology & Society (DSC-02)
<i>L = Lecture; T = Tutorial; P = Practical/Practice; UPC = Unique Paper Code</i>						

Learning Objectives

The learning objectives of this course are as follows:

- To make students understand the various issues and challenges related to security and safety of the digital data.
- To guide students for a comprehensive assessment of safety and security measures related to technology.
- To enable students to bring out effective strategies of safety and security in the digital space.

Learning Outcomes

Upon completion of this course,

- students will be alert to different types of risks and vulnerabilities in the digital space.
- students will be able to analyse the ethical and social implications of data security and safety.
- students will be able to develop effective strategies for safety and security in the digital space.

Outline of DSE-02C

While technology has provided us with excellent tools to monitor and secure our public spaces, it has also presented us with issues of privacy and cyber-crimes like phishing. This is an intervention-based paper aimed at understanding digital security and safety challenges. Once the students understand these issues they will attempt to bring out effective strategies and communicate the same to society through workshops, seminars and talks, awareness campaigns, publishing research and newspaper articles, producing mass media programmes such as blogs, vlogs, and other creative mediums. The students will be encouraged to involve various stakeholders, the concerning agencies and other communities pursuing similar goals.

Theoretical Component (15 hours)

- Digital literacy
- Legal literacy relevant to privacy and individual rights
- Understanding the digital world
- Strengths and challenges of digital communication
- Digital ethics

Indicative Themes

- Digital literacy campaigns
- Cyber frauds
- Cyber crimes

Practical component (90 hours)

Depending on the theme chosen by the group of students the practical component may entail learning through practical exercises like identifying relevant issues pertaining to technology, safety and security, responsible use of digital platforms and related cases/strategies/fields, interviews/interactions with experts and end users of technology, observations, group discussions with stakeholders, designing public awareness campaigns on educating the people on the safety and security dimensions of using the digital platforms in everyday life, participating in and conducting workshops, etc., or any other practical deemed fit by the teacher. Fieldwork is a practical component integral to this paper. Students will be provided with the practical knowledge in the following areas:

- Computer Security (antivirus installation and updation)
- Cloud Security (how to protect your data)
- Browser Security
- ATM and UPI Security
- Social Media Security

Readings

1. Belshaw, D. (2014). *The Essential Elements of Digital Literacies*.
2. Livingstone, S. (2004). "Media Literacy and the Challenge of New Information and Communication Technologies." *The Communication Review*, 7(1).
3. Floridi, L. (2013). *The Ethics of Information*. Oxford University Press.
4. Solove, D. J. (2011). *Understanding Privacy*. Stanford University Press.
5. Rheingold, H. (2012). *Net Smart: How to Thrive Online*. MIT Press.
6. boyd, D. (2014). *It's Complicated: The Social Lives of Networked Teens*. Yale University Press.

Note: Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.
