



Bharat NCX 2025

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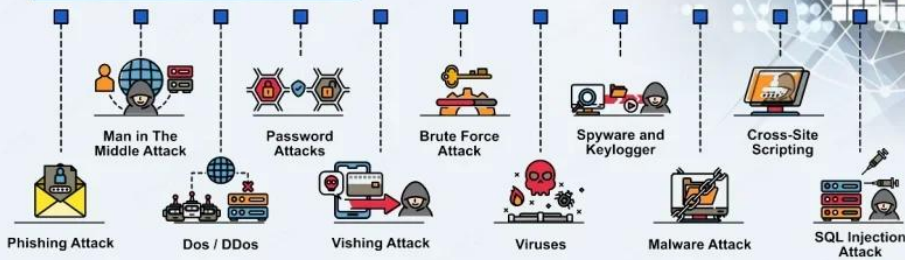
Bharat NCX 2025, India's premier **national cybersecurity exercise** (21st July- 1st August, 2025), was inaugurated with the theme '**Enhancing the Operational Preparedness of Indian Cyberspace**'.

- **Organizers:** Conducted by **National Security Council Secretariat (NSCS)** in collaboration with **Rashtriya Raksha University (RRU)**.
- **Objective:** Strengthen **cyber resilience** through **real-world attack simulations** (critical infrastructure breaches, **deepfakes**, and **AI-driven malware**).
- **Special Initiatives:**
 - **Strategic Decision-Making Exercise (STRATEX):** Enhances senior leadership response to national cyber crises.
 - **Chief Information Security Officers Conclave:** Engages top security officers to discuss emerging trends and frameworks.
 - **Cybersecurity Startup Exhibition:** Showcases indigenous innovations strengthening digital self-reliance.

CYBER SECURITY

Cybersecurity refers to any technology, measure, or practice for preventing cyberattacks or mitigating their impact.

CYBER SECURITY ATTACKS



'Crime in India' Report 2022 (NCRB) highlighted 24.4% surge in cybercrimes in India since 2021.

Common Cybersecurity Myths

- Strong passwords alone are adequate protection
- Major cybersecurity risks are well-known
- All cyberattack vectors are contained
- Cybercriminals don't attack small businesses

Cyber Warfare

- Digital attacks to disrupt vital computer systems, to inflict damage, death, and destruction.

CYBER THREAT ACTORS

CYBER THREAT ACTOR

MOTIVATION

NATION-STATES	→	GEOPOLITICAL
CYBERCRIMINALS	→	PROFIT
HACKTIVISTS	→	IDEOLOGICAL
TERRORIST GROUPS	→	IDEOLOGICAL VIOLENCE
THRILL-SEEKERS	→	SATISFACTION
INSIDER THREATS	→	DISCONTENT

Types of Cybersecurity

- Critical infrastructure security (Robust access controls)
- Network security (Deploying firewalls)
- Application security (Code reviews)
- Cloud Security (Tokenization)
- Information security (Data masking)

Recent Major Cyber Attacks

- WannaCry Ransomware Attack (2017)
- Cambridge Analytica Data Breach (2018)
- Financial data of 9M+ cardholders, including SBI, leaked (2022)

Regulations & Initiatives

International:

- UN Group of Governmental Experts (GGE) on Advancing Responsible State Behaviour in Cyberspace
- NATO's Cooperative Cyber Defense Centre of Excellence (CCDCOE)
- Budapest Convention on Cybercrime, 2001 (India not a signatory)

India:

- IT Act, 2000 (Sections 43, 66, 66B, 66C, 66D)
- National Cyber Security Policy, 2013
- National Cyber Security Strategy 2020
- Cyber Surakshit Bharat Initiative
- Indian Cyber Crime Coordination Centre (I4C)
- Computer Emergency Response Team-India (CERT-In)

Steps Needed for Cyber Security

- Network Security
- Malware Protection
- Incident Management
- User Education and Awareness
- Secure Configuration
- Managing User Privileges
- Information Risk Management Regime



Read More: [Global Cybersecurity Outlook 2025](https://www.drishtiias.com/printpdf/bharat-ncx-2025)

PDF Reference URL: <https://www.drishtiias.com/printpdf/bharat-ncx-2025>