



**KAMARAJ IAS ACADEMY**  
Only IAS Academy by Grandson of "Perunthalaivar Kamarajar"

# Indian Computer Emergency Response Team (CERT-In)

Published On: 27-01-2026

**In News:** With **internet connections crossing 100 crore in 2025**, India is witnessing a sharp rise in **cyber threats** such as ransomware, AI-enabled scams, phishing attacks and organised financial fraud.

## About CERT-In

- **Established:** 2004
- **Legal Basis:** Section **70B**, Information Technology Act, 2000
- **Nodal Ministry:** Ministry of Electronics & Information Technology (MeitY)

## Mandate

- Monitor, analyse and respond to cyber security incidents
- Issue **early-warning alerts and advisories**
- Coordinate with **law-enforcement agencies**, sectoral regulators and global CERTs
- Support capacity building and best practices in cyber security

## Key Initiatives by CERT-In

### 1 Cyber Swachhta Kendra (CSK)

- Botnet Cleaning and Malware Analysis Centre
- Provides **free tools** to detect and remove malware and botnets
- Aims to improve cyber hygiene among users

### 2 National Cyber Coordination Centre (NCCC)

- Scans **cyberspace metadata** to generate situational awareness
- Detects emerging cyber threats
- Enables **real-time information sharing** among agencies

### 3 Sectoral & State CSIRTs

- Oversees specialised **Computer Security Incident Response Teams** such as:
- **CSIRT-Fin** (Financial Sector)
- **CSIRT-Power** (Power Sector)
- Supports creation of **State-level CSIRTs** for localised response

### 4 Cyber Crisis Management Plan (CCMP)

- Strategic framework for **government bodies**
- Ensures coordinated response and recovery during **major cyber incidents**

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## 5Security Assurance Framework

- Empanelled auditors conduct:
- Security audits
- Vulnerability assessments
- Covers government systems and **critical information infrastructure**