

cyberwarfare is 5th form of warfare it has evolved to target civilian critical infrastructure also.

US, UK, India have become top 3 victims of cyber attack.

eg: Ransomware on colonial pipelines in US
Red echo on Indian power infrastructure.

Why cyber infra critical?

In present digitalized world data plays crucial role, with increasing digitalization of sectors such as Finance, Health, Power, Government function and private institution deploy cyber components in functioning.

Efforts:

- National cyber security policy, 2013

It aims to create a cyber ecosystem with institutional structure, procedure, people for maintaining safe infrastructure.

- Information Technology, 2008 is the nodal act that deals with cyber security.

- National critical information infrastructure protection centre aims to acts as nodal body in protecting critical infrastructure and their by giving defense.

- National Cyber Coordination Centre Created under CERT-In is multi nodal agency that is tasked to for preventive and protective service, forecasting the cyberattack.

- Government aims to establish tri-service command for cyber security protecting military assets.

PLI scheme which envisages to create cyber components in the country itself plays a crucial role in cyber protection.