CYBER SWACHHTA KENDRA

Launch of

CYBER SWACHHTA KENDRA

Chief Guest

Ravi Shankar Prasad
Minister of Law and Justice, Electronics and
Information Technology, Government of India

- In the presence of -

P. P. Chaudhary
Minister of State for Law and Justice, Electronics and
Information Technology, Government of India

on February 21,2017 at 12:30 PM
Venue: India Habitat Centre, New Delhi.
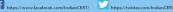
Narendra Modi, Prime Minister

- Visit the website "www.cyberswachhtakendra.gov.in" and download tools for cleaning up malware from your computer/ mobile device.
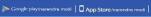- This facility comes free from "Cyber Swachhta Kendra", cyber safe and based on latest technology.
- The "Cyber Swachhta Kendra" is being operated by the Indian Computer Emergency Response Team (CERT-In).

Come! Join the mission to make cyber secure Digital India

cert-in
enhancing cyber security in India

https://www.facebook.com/IndianCERT/   https://twitter.com/IndianCERT

Cyber Swachhta Kendra (Botnet Cleaning and Malware Analysis Centre) – An initiative by the Government of India under the Ministry of Electronics and Information Technology (MeitY) to create a secure cyber space by detecting botnet infections, cleaning and securing systems to prevent further infections.

GIVE IDEAS & SUGGESTION FOR
MANN KI BAAT
YOUR THOUGHTS MAY BE SHARED BY THE PM WITH THE ENTIRE NATION!

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Digital India has ushered in an increased usage of mobiles/ computers in the country, which in turn has translated to a substantial growth in digital transactions in India after demonetization. Due to the increased presence of users online the threat of online credential stealing from malware infected mobiles/computers has also increased, thereby increasing the instances of cyber crime. It is estimated that a new malware appears every 10 seconds. The consequences of cyber crime inflict a huge burden on society and can potentially be disruptive thereby impacting the economic health of the country.

Cyber Security is a key component of Digital India. Digital India stakeholders such as Internet Service Providers (ISPs) and critical organizations need to secure their systems from malware. This is to ensure continued availability of their services while safeguarding the confidentiality and integrity of the information flowing through their systems.

Cyber Swachhta Kendra (CSK) is a citizen centric cost effective cyber security initiative to enhance trust amongst users of digital technologies by creating a secure cyber space through a well-defined, focused programme and framework for governance. CSK extends the Hon'ble Prime Minister's vision of Swachh Bharat from the physical space to the cyber space through a multi-stakeholder and public private partnership approach.

The primary goal of CSK initiative is to detect and clean the malware infections in the country. It is implemented by the Indian Computer Emergency Response Team (CERT-In), the nodal agency for responding to cyber security incidents. CSK operates on a inter-disciplinary collaborative model involving CERT-In, Internet Service Providers (ISPs), Industry (security companies) and the Academia to reach citizens who are using the infected systems to notify them about the malware/botnet infections in their digital devices. CSK also provides effective and efficient free tools to clean the malware infection and secure the digital devices.

Cyber Security relies on the principle of shared responsibilities as well as mutually beneficial and trusted partnerships. Through its effective leadership, CSK achieves this by facilitating a smooth and productive interaction in terms of guidance, communication and persuasion between the Government and the citizens. This results in collective actions against the cyber adversaries by promoting teamwork between

the cyber ecosystem partners namely Government, product/ antivirus companies, service providers, researchers and consumers.

CSK collects diverse cyber threat intelligence data from various sources (external and internal) and transparently shares/delivers in near real time to the affected organizations. It uses a robust and scalable custom data analytics platform for analyzing the threat intelligence feeds and generating statistics. The reports are in open standards and in machine digestible formats.

CSK has completely automated the entire process of collecting intelligence from multiple threat feed sources (internal & external), processing, augmenting and harmonizing the data/information. This allows CSK to disseminate threat feeds in near real time along with the remedial measures and security best practices to the respective designated persons in stakeholder organizations to enable timely mitigation activities. Due to process automation there is not just a perceptible process improvement, but also the system while being robust and scalable is transparently sharing knowledge by efficiently leveraging the technology.

In collaboration with Industry and Academia, CSK provides free bot removal tool, various security tools, security best practices, and information to users to secure their systems/devices while creating cyber security awareness amongst them and promoting lifelong learning. Three security tools available free of cost for the users are : M-Kavach (a comprehensive mobile device security solution for Android devices thereby protecting users data and information); USB Pratirodh (stores data securely on USB devices and allows authenticated users to access the data thereby restricting unauthorized access); and App Samvid (allows only approved applications to run on a user's computer thus avoiding malicious applications).

CSK is providing free of cost services to 81 organizations from multiple critical infrastructure sectors such as Banking and Financial Services, Transport, Power, Government, Insurance, Oil & Gas and Datacenter. Normally organizations would need to pay a large fee for receiving such cyber threat intelligence but CSK provides the necessary information free of cost thereby saving money for the organisations and foreign exchange for the country. For example in the banking sector, the malware/ botnet infection was reduced by 89.07% and the vulnerable services were reduced by 92.32% over a period of 12 months (Dec. 2017- Nov. 2018). The information provided by CSK has been found useful by a majority of the critical sector organizations and has helped them take necessary remedial actions to strengthen their respective cyber security posture.

OUTCOMES
CSK has had a positive impact on the level citizens trust in digital technologies. This is manifested in 8,97,548 CSK Free bot removal tool downloads; 200,000 + M-Kavach downloads; 37303 USB Pratirodh downloads and 24,600 App Samvid downloads.

OBJECTIVES

- TO CREATE A SECURE CYBER SPACE FOR CITIZENS.
- TO DETECT EXISTING BOTNET INFECTIONS.
- TO INSULATE END USER SYSTEMS FROM FUTURE BOTNET INFECTIONS.

The number of participating organisations has grown by 135% from April, 2017 to March, 2019. Highly scalable solutions capable of processing multiple events and serving large number of organizations is a unique feature of CSK.

CSK has been serenaded by several awards for its contributions to India's digital march. These include awards like Gems of Digital India 2018, SKOCH Order-of-Merit and Gold Award for Cost Effective Cyber Security Model in December 2018, and CISO MAG Award India 2019.