

# **Celebration of Cyber Jaagrookta (Awareness) Diwas (CJD)**

(on the **first Wednesday of every month**  
commencing April,2022 onwards)

Central Mine Planning & Design Institute Ltd.  
RANCHI



## **How to Prevent Cyber Attacks?**

**Here are a few effective tips which one can adopt to prevent cyber attacks to a large extent.**

# Tips for preventing Cyber Attacks

## Change passwords

Change your passwords regularly and use **strong alphanumeric passwords** which are difficult to crack. Refrain from using too complicated passwords that you would tend to forget. Do not use the same password twice.

## Update OS and Applications

Update both your operating system and applications regularly. This is a primary prevention method for any cyber attack. This will remove vulnerabilities that hackers tend to exploit. Use trusted and legitimate Anti-virus protection software.

## **Tips for preventing Cyber Attacks contd.**

### **Endpoint Protection Software**

Endpoint protection protects networks that are bridged to devices. Desktop PCs, mobile devices, tablets and laptops that are connected to corporate networks give access paths to security threats. These paths need to be protected with advanced endpoint protection software.

### **RDP Access**

Over the last few years, one of the primary attack modes for ransomware attacks has been the Remote Desktop Protocol (RDP). Remote Desktop is a tool for remotely controlling a PC with absolute power and control—which is what makes it so dangerous in the wrong hands. Be cautious and selective in giving RDP access to your computer.

## **Tips for preventing Cyber Attacks contd.**

### **Firewall/IPS**

Use a firewall and other network security tools such as Intrusion Prevention Systems (IPS), Access control, Application security, etc.

### **e-mails**

Avoid opening emails from **unknown senders**. Scrutinize the emails you receive for loopholes and significant errors.

Use e-mails judiciously.

## **Tips for preventing Cyber Attacks contd.**

### **Use VPN**

Use a VPN. That way, the traffic between the VPN server and your device stays encrypted. Keep the device protected which uses VPN to connect to a corporate network.

### **Back-up**

Regularly back up your data. According to many security professionals, it is ideal to have three copies of your data on two different media types and another copy in an off-site location. Hence, even in the course of a cyber attack, you can erase your system's data and restore it with a recently performed backup.

## **Tips for preventing Cyber Attacks contd.**

### **Stay informed**

Employees should be aware of cyber security principles. They must know the various types of cyber attacks and ways to tackle them.

### **Update OS and Applications**

Use Two-Factor or Multi-Factor Authentication. With two-factor authentication, it requires users to provide two different authentication factors to verify themselves. In multi-factor authentication, you are asked for more authentication factors apart from your username and password.



## **Tips for preventing Cyber Attacks contd.**

### **Secure WiFi**

Secure your Wi-Fi networks and be careful while using public Wi-Fi.

### **Safe Mobile**

Safeguard your mobile, as mobiles are also cyber attack targets. Install apps from only **legitimate and trusted** sources and make sure to keep your device updated.

**This campaign shall  
continue.....**

