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DIGITAL AGE & WOMEN /CYBER SECURITY

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Abstract

In this modern society women are not feeling safe. This problem is being raised day by day. There are many ways to blackmail to Women and young girls. Online blackmailing, harassment for money or sexual harassment. Abuse of Indian women through dating apps, they are easily get catch in this trap there many Reasons new generation addicted to this think, so, there is need to aware women to live secure in society from this unexpected thinks. Because many applications and social media apps are available by which use they used to blackmail or wrong use of it. To do any fraud. Women get lost mentally, physically, financially etc. hardly struggling in life. These problems are made worse by inadequate legal frameworks and privacy laws, which give women little protection from cyber criminals. It's a negative and depressing part of their life. Hence to reduce this situation and to stop this thing and to take revenge should punish those criminals. The state government, Indian government spread awareness and launched different types of apps for protecting women and girls from fraud people and creating a healthy and secure environment that was mandatory to do. Need to make some effective and efficient efforts for promoting women empowerment and gender equality hence, in the digital age, women cyber security is the bestest way to secure women. But it's not the cheapest way but it's essential to prompt it.

Keywords: - Digital age, Cyber-crime, Cyber Security, Digital era, women security matter.

Introduction

In today's world of running, cyber security has become a crucial and critical problem, because it has created many issues for major women and for minor and young girls; but they face unique risks in the digital realm. As more aspects of daily life shift online whether for communication, work, shopping, or social engagement women are increasingly insecure to cyber threats such as recognition theft, data breaches, and different online activities. These warnings not only compromise personal protection but also indicate women to online harassment, follow up, and exploitation. With raising participation in the digital economy space and professional space and its gaps, it has become essential to address these specific cyber security concerns to ensure that women can cruise the internet safely with protection and safety and confidently. Women are often Unparitly and indirectly targeted by cybercriminals, whether through phishing schemes, online scams, or unauthorized access to personal information. Moreover, the rise of gender-based cyber violence, including revenge porn, and cyber stalking, highlights the immediate need for stronger cyber security power to measures tailored to protect women's privacy and well-being in the digital age. The challenges surrounding cyber security for women call for heightened awareness, powerful

policies, and digital literacy to safeguard their online experiences. This introduction expands these concerns, setting the stage for a broader conversation about how to create safer and more inclusive digital environments for worldwide women. The study states that by the pew research Center, "women are more likely than men to report having been sexually harassed online (16% vs. 5% or stalked (13% vs. 9%.) Young women are particularly likely to have experienced sexual harassment online.

2. Definition

What is cyber security?

The rise in digital cyberattacks has made cybersecurity a priority for businesses and individuals. For businesses, cybercrimes can lead to financial loss, operational disruption, data breaches, and a loss of trust, while individuals face identity theft, financial fraud, and privacy invasion. Deshmukh, Rahul. (2024). Cyber Security Concerns for Women in the Digital Era.

"The practice of defending programs, networks, and systems from online threats is known as cyber security. Typically, the goals of these hacks are to disrupt regular corporate operations, extort money from users, or access, alter, or delete sensitive data. Multiple levels of protection for computers, networks, programs, and data are necessary for effective cyber security solutions." (NIST, 2013)

Why cyber security is important for women's safety

To find a way to overcome cybercrime is also a crucial part of cyber security.

According to a recent study, cybercrime is expected to cost the world $10.5 trillion annually by 2025. From data breaches that expose millions of user's personal information to ransomware attacks that cripple entire organizations, the impact of cyber-attacks can be catastrophic.

Under the following are major cyber-crimes faced by women in India include:

1. Cyber trolling
2. Cloned profile
3. Cyber morphing
4. Online harassment and threats
5. Revenge porn
6. Cyber harassment and online stalking
7. Online bullying and cyberbullying
8. Cyber grooming
9. Identify theft and online fraud
10. Non-consensual dissemination of private and sensitive images

Why should women consider a cyber security career?

1. Rapid digitization across all business sectors
2. Increased cyber threats and online fraud
3. Growing demands for workplace diversity & inclusion
4. Growing focus on strengthening cyber security posture of companies

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The Role of cybersecurity

Cyber Security is crucial and effective in today's pure-digital world to secure private data, protect sensitive information, and defend national infrastructure. Without strong cybersecurity defenses, people, organizations, and governments always be insecure to financial loss, bodily Denger, and private data theft.

The Women, Peace and Security agenda recognizes the multiple roles that women have in conflict situations and in peace efforts. Since its adoption over two decades ago, much has happened to the global playing field, and non-traditional security issues- including cybersecurity - are increasingly relevant to international peace and security. In recognition of the implications that technology and cybersecurity have on current security challenges, UN Women recommends the following measures.

a. Participation

b. Prevention

c. Protection

d. Relief and recovery

PROGRAMMATIC APPROACH

1. Promoting women's leadership in cybersecurity

2. Supporting conflict-sensitive and gender-responsive cyber security legal and policy reform

3. Combating disinformation, misogynistic hate-speech and violent extremism

4. Understanding gendered security implications of emerging technologies and artificial intelligence while employing them for inclusive peace

5. Strengthening the capacities and resilience of women to stay safe from and to combat cyber enabled crimes and technological vulnerabilities

6. Strengthening the capacities of women peacebuilders to use digital tools for peace building

Significance of cyber security in the digital Age

As a crucial part as well as essential to hide any private information and spare it from criminal people and hackers who access unauthorized data; that's the most important responsibility of cyber security. That is the reason cyber security is important for women's security. That plays a vital role in this field. Lot of different types of importance and significance are there which provide a better environment in society and spread positive impact. Hence women's and young girls also can take help from cyber security under the following some very important significances are mentioned here.

a. Protection against cyber threats:

b. Safeguarding personal privacy:

c. Prevention of financial losses: women used to be victims of frauds, suffering from these types of problems and issues they were facing and used to become victims but now they are spared by financial loss that is the effects of prevention of cyber security.

d. Maintaining trust & reputation: cyber security maintains the trust of people, women, and young girls. And remains the reputation.

Conclusion

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In the digital age, cybersecurity it's just not a field but it's also a necessity for the modern age. There are different types of advantages and disadvantages of it but, Cyber Security implemented for women and girls' security. Indian government system takes actions against crime, online financial Exploitation, rape cases, online blackmarking, harassment.

In India, the Indian government has started to prevent and started to take actions against such crime. That helps to overcome physical and mental abuse of women that was being through an online system. Cyber security contributes to decrease such scam cases. The cyber security of women in India is a critical situation that needs quick attention. Hence the Indian government has taken Initiate to reach cybercrime against women through different types of law or regulations. There are still many challenges that need to be addressed. These challenges include the need for more proactive measures to prevent cybercrimes, improved access to information and resources on cyber security for women and raised implementation and enforcement of applied laws. Additionally, there is a need bridge literacy and technology access among women in India. In this modern age Cyber security plays a vital role to save female asset and make awareness in the world.

It helps to reduce worldwide crimes. Control spreading unauthorized data access. But use of cyber security it seems like it can be little bit dangers for provide authentic data. Hence, The probability is there to save , secure data and spread the data. So, dual side it plays positive and negative role as well.

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