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## **CYBER SECURITY IN DIGITAL WORLD**

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### **INTRODUCTION**

India has the glory over rich traditions and systems that has led into the modern phases of development that has crept over innovative ways of working that has implemented for the intellectual means of upholding which has strived towards excellence. We can say that the innovative thinking created a way for the creeping over all the systems in an intact manner. Further has led to secure system of applications leading towards the betterment involving all the measures in that forms that the transparent allocations are possible which ultimately leads towards the analyzing over different ailments which strived towards excellence in all forms. Due to the compulsion India finds it necessary to focus on cyber security as the change in working scenario lies in the means of the improving setups through technological ways. Indeed, we find, the initiative of digital India taken by GOI is an improvement towards the leading ways of the securing systems so that the people have a happy and contented livelihood. There are many instances over the socio-economic setup wherein we find that the avail of technology has been inevitable and now when the technical era has set in, it is that the complete protection on it is necessary that can only strive towards progress in connecting all the ailments. The vigilance is only the essence that can transform systems leading into complete development at all levels focusing towards safety and security over the aspects that are digital in nature. During the rulers India had better spy system where today digital India platform is regarded as “golden age of spying”. In the plan of digital India along with the ties of smart city, the Critical Infrastructure Information which found the need to control cyber crimes through technology itself. The essay paper consists of different arenas on the ways of cyber security in the era of digitalization.

### **PHASE OF DIGITAL INDIA**

Today we have nearly 550 million internet users, we can see that it comprises of rural and urban areas. Every single aspect that is taking place is due to digital means. under the BPO we have a booming market which has led towards the allocations on the methods of the E-

commerce platforms wherein each sector has the implication of technology on it. Now the E-Governance platforms are created where it ensures the administrative governance and even the cyber security focus. We find that ICT has been depth over roots that focuses on the elements over the connection towards securing platforms though it has been way towards the development in the new allocations. The smart city missions have involved to bear the ways of tracking systems so that people are safe. We can notice that, the digital platforms has connected over all the sectors which has also availed the systems that creates harm among the people and avails towards the external illegal forces to control the digital platform and cheat the people unknowingly as the frauds notice the dependence on digital modes that have become highly complex and interconnected in the modern working systems. But along with the moving phase of Digital India many hackers find alternatives to challenge the new adaptability setup. The cyber security are day by day rising having attacks on common people in different dimensions. During the Covid -19 scenario we find that, all the transactions and systems were working through the means of the digital setups wherein maintaining security was a greater challenge, but still various legislations and Cyber Crime Beaurau are trying to make the systems into better modes so that the smooth transactions take place. The Indian Constitution has secured the happy livings, but the fake elements threaten the smooth functioning.

## **COMPLEXITIES HIDDEN**

Though we find that, the digital India is a success in the digital service sand infrastructures that we noticed the viruses among the digital ways creating the faults in the setups. The invisible virus has revealed to be dreadful that erupted the softwares. The government folders are hijacked by certain agencies which can harm the societal harmony. Normally due to the digital India has crept in, it has paved a way towards the governmental and crucial matters stores in digital forms, but it has often tried to leaked out. The phishing methods are found of making or imitating people to utilize certain specific sites but inturn harming them through the malicious attacks taking place. Whenever the social problems exceeds these type of actions are taking place within digital modes. We say that there fake promoters of schemes which move into the means of copyright sections that would be a harm in regard to the patent. ‘Flame’, a complex virus setups are to be trying to collect information from the computer storage. This hinders the plans of Digital India workings.

## **SECURED VISION OF DIGITAL INDIA**

The idea is to build intact systems along with the transparent modes that they can simplify to avail the public services. The intention of recently innovated smart cities have the aim of securing transactions which has robust cloud with the real time surveillance and big data analytics technologies. Especially due to the programmes of digital literacy have pertained the modes to inculcate the which has empowered not to be a trap of cyber crimes and alerting through medias are constantly having a focus on the modes to secure the living systems among the people. It has stepped to the developmental progress at all fronts among the people connecting the lives of all. Due to threats in their working GOI has certainly taken the steps of the, connecting the ministries and departments. To supervise the implementation, Chief Information posts' are allocated so as to facilitate the workings and connect with cyber security for better workings. The statistical reports provide the evidence that, nearly 60% of the hacking cases were found and many government documents were hacked which led to the focus that digitalization is a spot of harm in varietal forms. So a setup of 800 crore project to check and clean their computer systems with different allocative measures. The alertness begins from the NATIONAL SECURITY COUNCIL SECRETARIAT, INTELLIGENCE BEAURAU, RESEARCH AND WING ANALYSIS, INDIAN COMPUTER EMERGENCY RESPONSE TEAM, NATIONAL TECHNICAL RESEARCH ORGANIZATION, NATIONAL TECHNICAL RESEARCH ORGANIZATION which have been connected with the digital India modes and promoting the safety that has got innovated only through the means of the digitalization platforms. The expectations of the CERT-in has led into the alert issues and ongoing secured systems in the cyber attack control setups. The National Cyber Security and Coordination centre will provide the required basis in which the perfect segments are into the digital modes of the working setups intruding the society.

## **CHECKING VULNERABILITIES**

We find the preparedness for the, both public and private sectors which found the gaping holes in the digital methods. During the tenure of 2014-2020 reports we find that they have nearly covered more than 5 lakhs cases by Cyber Computer Emergency Response Team handling these provided ailments. In about 80 lakhs 'Bot' infected systems were noticed and tracked in the scenario and tracking over many Indian websites are noticed. There are evidences when the Indian records were tracked by the other countries in order to gain the data of crucial

importance. We find that there are MNC's which in digital setups have faced loss so that they were illegally trapped through digital applications and that is the reason digital India has looked on various interfaces which had to be looked upon in a critical manner. We find certain airlines and shopping sites wherein the producers and buyers are at stake along with the online booking setups. In the banking sectors also major measures of secured allocations are found which would facilitate the modes of provide clear transactions. In the banking sector, we find that cyber resilience and security analytics are made so that they avail actions with sustainability. The consumer awareness in which the Cell where cyber security also is given importance. A firewall protection to enhance the protection from malware software. The governmental platforms in relevance to the working setups have tried to come out in 2011 itself with Act National Cyber security policy with the mission of emergency teams. Under the IT act declaration of programme and investigative modes of cyber security crimes.

## **LEGAL AMMENTIES IN DIGITAL INDIA**

During the modern phase of development we find that under IT act 2000 and with constant amendments have tried to promote the developments regulating the factors under the each sector having it's insurances in the field of outsourcing. Also that, stock market systems evaluated with the implementing of Digital Information Security even at the health care ailments. Under the IPR rights the patent in the documentary systems. The privacy in the privacy laws in the Personal Data protection Bill, 2018 which entitled over the accountability, processing data and the cross border transfer and remedies for the contravention which was further proposed with new regulations in 2019. Under the EU's applications the regulations are taken. There are certain complicated ailments that comprise over all the sectors in the means of the developments concerned by SCI. Normally the data which is personal remains as that of the countries which relate themselves to the crucial period note in the system to facilitate the authority over the content and information at all fronts. We can even notice that, the betterment plans through secure passwords and measures are taken which would be likely towards safety among the people.

## **CONCLUSION**

We can conclude that, cyber security is a threat in the all round development which has been the strong aim of digital India platforms in the measures of cooperative techniques completely leaning on development at all fronts. The digital India mission by the Ministry of Electronics

and Information Technology has led to the avail of better techniques which has focused over the several developmental plans and programmes thinking of betterment in concern towards all round progress at variety of fronts. When this plan was implemented we can see that GOI noticed the hardships that was faced by the Indians in the results of applying systems of the digitalization. Indeed the new techniques adopted have ensured that our country has the purview towards the better future in the setting up of proper allocations in the governing boards scenario. Digital India has tried to manipulate systems over the tracking measures in the mishaps taking place in the global world that has to be brought under control. The control and relevance in the appropriate guiding systems can focus alone in the plans of the governmental authority that would regulate the digitalization so that they can guide and control the resources in the technological era. The new systematized aims leads into the successive means when the plans are into the modes of awareness amid the people. We can notice development through this which has technically ensured the path towards progress in all fronts.

**“THE AIM IS TO CREATE AN ACTIVE SYSTEMS WITH THE  
VIGILANT CITIZENS.”**