# Committed To Defence And Security Worldwide DEFENDED DEFENDED DE SECURITY SEPTEMBER 2022 | VOLUME 13 | ISSUE 12 | ₹150 The first and Only ISO 9001:2015 Certified Defence and Security Magazine in India The Only Magazine Available On The Intranet Of Indian Air Force





THE FIRST CHOICE IN THE DOMAINS OF DEFENCE, SECURITY AND WORLD AFFAIRS WORLD WIDE





We endeavour to sound ALERTS and create AWARENESS about the myriad dimensions and manifestations of DEFENCE and SECURITY in India and around the world.

## The power of a King lies in his mighty arms...

Security of the citizens at peace time is very important because State is the only saviour of the men and women who get affected only because of the negligence of the State.

- Chanakya



DSAIS AS MUCH YOURS, AS IT IS OURS!



YEARS OF EXCELLENCE

he world has recently been witnessing ghastly images of Russia's war in Ukraine, as well as the intense bullying China has rained across the Taiwan Straits so as to bring the island nation to its knees. Both military adventures have been extensively televised bringing sights and sounds of combat situations into the home space. The hardware of all sorts has been on display: land, naval and aerial. Engrossing for the military specialists, as also the various tactical manoeuvres were vividly telecast. But there is another dimension of combat that doesn't make its way onto the screens, unseen but deadly.

Even as combatants and belligerents engage in firing live rounds of ammunition, there are other warriors raining hell on the other side without using weapons or bullets. What they use instead is a computer and hi-speed internet connection. This warfare may not be lethal in the conventional sense but is just as devastating in terms of impact. In some ways, it has a disproportionate effect on the other side of the conflict. For in fact with very little in terms of hardware investments, some very demoralising and devastating actions can be engaged by the truly determined cyber warrior.

The new age cyber warrior is a reality all countries have to live with and accept their role in the future of combat. In a few years, cyber warriors are going to be joined in combat by platforms based on artificial and machine intelligence. The enormous amounts of research going into AI and MI is a testimony. But the fact is that these will also be dependent on networks to fully utilise their potential. All of which are contingent upon the efficacy of those who are going to be the controllers, the ones behind the scenes, the cyber warriors.

There is another set of cyber warriors who have an impact on the morale of a country in conflict. The only difference is that they may not even know they're playing the role of cyber warriors, inadvertently thrown into the conflict zone without any realisation. These are the social media addicts who spend more of their time on their smartphones than in human relationships. The world they occupy is brimful with information of which most is not verifiable and portions plainly untruthful. Distortions also have a huge impact on combat, especially since there are enough gullible people around.

Even as countries monitor the cyber world for signs of revolt or hostilities, there is only that much which they can do, for there are ways of circumventing various restrictions. In some ways, this cat and mouse game produces its own set of regulations and not all of which can be regulated. The machinery of the state is always on a chase to track down new threats in the vast cyber sphere. And the threats are inspired by agencies of the state as well as non-state actors. Then there are the more dangerous freelancers, unknown, unattached, untraceable. The scope is as vast as cyberspace.

Manvendra Singh





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# **CYBER AND** Social World Security



OD has created this Universe which people believe and then man created another Universe within GOD's created Universe. All technologies have been explored, developed and commissioned by man only and we all are surrounded by these technologies in some or the other way in our day-to-day life. As technologies have emerged in the last few decades, these have benefitted mankind in many different ways in their progress and development at large.

Though technology has played a very vital role in our lives but as it emerged humungous in recent times, there have been many threats and challenges too and that is a major concern from a person to the states and to the whole world's security too. As technology progressed, we started living in a Cyber World which has been created by men and women for the men and women and being operated by the men and the women. But it's so unfortunate to see that whatever benefits have been seen with the development of the Cyber World seems very tiny as compared to the threats and challenges if compared.

Today, it's a big threat to mankind from the Cyber World as almost everyone is associated with this and when it comes to the National Security of the states then it's quite vulnerable. We have seen very recently how China has blocked the whole systems in Taiwan for some time through its hackers' units and similarly, Russia also did with Ukraine at the beginning of the war. Just one click at any point in time may destroy any establishment when it comes to National Security and this can be done in the fraction of seconds which is a real threat to the world today.

India too is facing these Cyber threats from the neighbouring countries like China and Pakistan and our government is all set to counter such challenges and we are equipping our defence and security forces for these including our other very important establishments. As the Cyber world is expanding, the threats and challenges and its operations are also changing their strategies and operations and it has become very important to take into account the maximum change of their perceptions and operations to save our people and our establishments.

Team DSA is sure that the entire world will take it on a serious note to save mankind and this world at large.

Jai Hind!

**Pawan Agrawal** Chief Executive Officer





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