We are beyond doubt privileged to have been elected as the Editor of the new monthly periodical Cybernomics. Being an editor I am extremely obliged to Scholastic Seed Inc. which is an upcoming Publishing Aggregator & periodical mentor and grateful for providing me an opportunity during its 2nd Annual General meeting Vide resolution dated 1st April, 2019 . We are also very proud to be working in tandem with an outstanding team of entire editorial team and its New Delhi office. The existing editorial team that is entirely engaged and dedicated to the accomplishment of these outstanding periodicals. In this new era of Cyber there are a numeral changes that we would like to exemplify attention to the periodical's readers, as we are self- assured such changes will plead to a widespread range of academic and information technology interests. Cybernomics is a cooperatively designed by our leadership team that aims to symbolize the comprehensive network of our community from cyber society to the cyber users. We recognize the significance of ensuring that our initiatives in an academic format would represents the work and research being conducted in all regions of the planet, and at the same time also highlights key issues critical to technocrats not only in urbanized countries but also in low-resource countries. Second, the periodical will feature various kinds of articles that glass case imperative issues related to cyber and burgeoning terms which revolves around it. The reply to our plea to authors for contribution has been devastating. In spite of our superlative hard work, due to an assessment of editorial board and the referee review board, some of the articles/papers could not be incorporated in the present issue of Nov 2019, but this shall not put a ceiling on any of the authors to send their original articles, case studies, research reviews or empirical contributions for publication in our magazine Cybernomics. As an editor, and on behalf of our editorial team we are thankful with the value authors place on high-quality and unbiased peer review conducted in a suitable form. In accumulation, we value the consequence of rapid publication, and so to that end we have structured our editorial team to encompass Associate Editors, a Social Media Editor, and a Video Editor so we are capable to expedite the processing of submitted manuscripts. We have instructed all those involved with the periodical in an attempt to endow with the highest standard of script review, editing, and publishing. We have implemented meticulous peer review decisive factor, and this will be replicated in the quality of published articles. We also want to plead with all those who are fascinated in being part of this vigorous and passionate team to get in touch with us, as we will greet your involvement. We encourage colleagues working in related disciplines of cyber and Information technology as an appropriate medium for the publication of your own high-quality research. Manuscript submissions are being accepted for Volume-1, Issue-7, 2019 which will be in the regular format. From January 2020 the new avatar of Cybernomics would be formulated with fresh guidelines to authors. The Original articles can be submitted to the Editor (Word document, by email only, at scholastic.seed@gmail.com or at editorial.scholastic.seed@gmail.com. Articles for columns should be arranged with the respective column editor. It is requested authors to go through the portal and make out the trend of article the magazine published at www.cybernomics.in. Cybernomics is a right platform for academicians, industry executives, researchers and students for sharing the views and the news of the management in terms of research papers, articles and case analysis, reviews etc. the more detail of the nomenclature is mentioned in the booklet and available online at www.cybernomics.in. We are hard about the ensuing issues of the periodical with regard to excellence and exposure. We hope that within short time this periodical will make the academicians, industry executives, researchers and students to travel from the point of recognizing something to concede the whole thing. We wish the periodicals for its endeavor and durableness of its rhythm in the same direction in the days to come. Our genuine thanks to all the contributors for their shore up and consideration. We yet again concern for all academician and researchers to boost their unpublished articles/papers for publication in our periodical to figure out the economics of Cyber.

Dr Subodh Kesharwani

The rationale behind writing a note on behalf of an editor bench on this meticulous subject matter *"Cyber security changing the face of society by building technological trust among its counterpart"* is well designed and premeditated for this particular issue (volume-1 No.--6 November 2019) due to advent of technology in all the aspect.

In total we had received nine articles in various capacities with blended approach and thought. The first two foremost articles categorization are **Experimental Research Paper (ERP)** and talks about *"Hacking a Loophole in Computer Security ERP"* and *"Makeover of Commercial happenings with Cashless Noise".* Next two articles nomenclature is **Argument Based Credential (ABC)** and is entitled as *"Emotional Artificial intelligence impact on facial expression- A phenomenon and Next Generation Internet"* and *"Web 3.0: Block Chained Internet".*

The third category is **Case Study (CS)** *"CRISP"- Bringing Technological Change In Teaching Pedagogy- A Case Study"* The fourth segregation is **Scrutiny Tip (ST)** which revolves around one articles "Methods of Data Collection" and further in the last head is a **column** "Impact of Cybernetics on the Biotechnology". We had also created some more innovative thoughts in this particular issue which is an innovation and creation of editorial office such as **Cyber Thought, Cyber Journal, Cyber Books, Do You know** and other trend and changes occurred in cyber world, which will be placed after the end of articles for reader There are certain prefixes which would be common in all the heads.

Cyber security changing the face of society by building technological trust among its counterpart

To start more about the security, safety and protection related to cyber lets throws a light on a threat which further lead to secure. As there is a saying that "prevention is better than cure", the genesis behind creation of CYBERNOMICS is this only. Fuelled by billions of users and never-ending new internet of things devices, we are in the midst of a detonation of hyper connectivity. This means attackers can now interrupt more people through more devices, and each year there are more breaches, more affected companies and users, and more harm and sabotage. It is gradually more apparent that no one

is resistant from cyber attacks. Information and acquaintance sharing is an imperative form of teamwork, but it faces many challenges. The most noteworthy is the faith deficit described above, which creates resistance to relationship of any kind, and concern about the accuracy of any information that, is shared. Most people in contemporary society come across computing and communications technologies almost daily. All the places are filled with computers, be it offices, stores, factories or taxis. People work on computers, tablets and smart phones, all day, every day.

The gesture of innovation brought about by digital transformation is perhaps most noticeable. Trust is fundamental to grow and participate in the digital society. As our world becomes more connected and our cities get smarter, governments, emergency services and even private organizations increasingly rely upon hundreds of new and existing technologies to help communicate during catastrophe. We are dependent on Information Technology for formulating our various tasks easily. Computers have significant roles in diverse areas such as banking, energy, businesses, transportation, health care and others. For instance Businesses make use of IT for payroll, inventory management, research, etc. Even Modern military forces utilize weapons that are coordinated through computer-based networks.

Source: https://www.intertrust.com/solutions/financial-tech

Cyber security is crucial to shield all of these functions. Cyberspace is susceptible to a wide range of hackers, criminals, terrorists, and state actors. Working in cyberspace, these spiteful actors can pilfer money, intellectual property, or classified information; imitate law-abiding parties for their own purposes; damage important data; or deny the availability of normally accessible services. *Governments must entrust preserving the robustness of encryption, including end-to-end encryption, and promoting its extensive application. The Government should go further to establish and promote rigorous, evidence-based guidance on state of the art cyber security principles, standards and practices, accompanied by certification marks or benchmarks for digital products and services, focused on improving consumers' protection.*

Observation:
- Cybersecurity has already become a critical issue across business, industry, government and civil society; it will only grow more urgent as the online world becomes a central and underlying component of the physical world.
- The public and private sectors each face difficult and unique challenges in balancing their varied roles and responsibilities, and prioritizing their limited financial and human resources.

- Attackers can be motivated by political or commercial gain.
- Software and hardware environments are increasingly complicated ecosystems populated by a complex community of interacting devices, networks, people and organizations
- Cybersecurity strategies recognise that the economy as a whole rely on the Internet for many necessary functions and that cyber threats have been escalating and evolving at a faster rate.
- The Internet economy is a dynamic environment where technologies, usages and markets constantly evolve in an unpredictable manner for the benefit of economic growth and innovation, and where threats are also in permanent evolution.

Why cyber security is a bigger issue now?
Most large companies have dramatically strengthened their cybersecurity capabilities over the past five years. Formal processes have been implemented to identify and prioritize IT security risks and develop mitigation strategies, and hundreds of millions of dollars have been dedicated to execute these strategies. Desktop environments are far less "wide open" than they were even five years ago, as USB ports have been disabled and Web mail services blocked. Robust technologies and initiatives have been put in place to address attacks on the perimeter.

Imagine a world where you never need to change your passwords and you're allowed to "work from home" at your nearest coffee shop. This is the world employees are leaving behind when they adopt new cybersecurity practices.

5 Biggest Cyber-attacks in India
- **Cosmos Bank Cyber-Attack in Pune where** hackers siphoned off Rs.94.42 crore by hacking into the bank's ATM server.
- Canara bank ATM servers were targeted in a cyber-attack where almost 20 lakh rupees were wiped off from various bank accounts.
- **UIDAI Aadhaar Software Hacked in which led to** data breach of personal records of 1.1 Billion Indian Aadhaar cardholders in 2018.
- **SIM Swap Scam in which hackers** blocked individuals' SIM cards and by the help of fake document posts, they carried out transactions via online banking
- Indian-based healthcare websites became a victim of cyber-attack recently in 2019 in which 68 lakh records of patients as well as doctors were stolen

Source: https://www.cshub.com/attacks/news/incident-of-the-week-indian-bank-loses-135m-in-costly-cyber-attack

Cyber security has acquired great eminence than ever before especially in the banking industry that has seen numerous high-profile and high-impact breaches in the recent past. Recent cyber attacks on the banks in both India and abroad have left them in the lurch. Additionally, the cost of a breach has grown enormously and its overall impact can be extreme. GDPR is an example where the breached organisation has to pay bulky amount of money to preserve data privacy.

Source: https://www.capgemini.com/news/ai-in-cybersecurity/

Cybersecurity is therefore a continuing process that needs to evolve as new threats are identified. While cyber security is a non-negotiable aspect in a bank's technology strategy, it can also not be too overwhelming which can cause inconvenience to the customers or become a curb. In this scenario, being very proactive can be detrimental for both cyber security professionals and the organizations. That is where the balancing act comes in. How do you ensure enforcement of security controls without making it too intrusive to stall the innovation processes? Cyber security professionals will need to balance risk elements and exposure with customer experience and satisfaction.

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Subodh Kesharwani is an academician with a bronze medal in his Post graduate and Doctorate in ERP System in 2002 from Allahabad Central University. He is one of the researchers who had concentrated his research on Total Cost of Ownership [TCO] & critically evaluate ERP vendors including SAP. Dr. Kesharwani is presently an Associate Professor, School of Management Studies with a total 20 years of hardcore teaching and research in Information System and its linkages with various domains of management at Indira Gandhi National Open University, New Delhi. He is presently an expert in various burgeoning areas and had delivered a talk as a trainer on MOOCs, Team Building, E-commerce, Technology Enabled Learning, E-resource, Technology Uses in research, Block chain, Internet of Thing, Enterprise Information System, Free & Open Source Software, etc. Dr. Subodh had developed and coordinated a program in Entrepreneurship & Business Skills in collaboration with Rajiv Gandhi Foundation (RGF), India and Commonwealth of Learning, Vancouver, Canada which provides training to the trainers at IGNOU. He is presently a program coordinator of IGNOU-ICWAI alliance. He is also a founder Editor-in-chief of a peer reviewed refereed journal entitled "Global Journal of Enterprise Information System [GJEIS] from 2009 onwards, which has completed its 10 years term and published 40 issues till date both in printable and virtual format. The Journal GJEIS is equipped with DOI from Crossref USA and listed in almost 50 directories in the world with an impact factor of 2.68 of 2017-18. Dr. Kesharwani had participated as a debater in diverse TV show and participates in Interactive Radio Counseling including Gyanvani and Gyandasrshan. He had written a Book entitled "ENTERPRISE INFORMATION SYSTEMS-Contemporary Trends and Issues" in a co-authorship with Professor David L Olson (University of Nebraska, USA. which was published by WORLD SCIENTIFIC, USA. http://www.worldscibooks.com/business/7287.html

He had another text book on ERP system which caters a B.Tech VI Semester CS and IT Students. He had developed educational contents for various academic Institutions such as ICAI, IGNOU and contributed articles for various journals/ Magazines, etc. He had chaired a good number of technical sessions at various conferences & seminars nationally and globally. He is presently running a "Blockchain Federation for Indian Researcher" which he thinks can bring paradigm shift holistically. Dr. Kesharwani had been awarded "IT Innovation & Excellence Award 2012" in the field of ERP solutions, by KRDWG's Selection Committee at IIT Delhi. He is in the panel of the Steering Committee of the International Journal of Computing and e-Systems, TIGERA-USA. He was in the key panel of round-table workshop conducted by Ministry of Corporate Affairs in Association with Indian Institute of Corporate Affairs to streamline "Corporate Data Management and Governance". He was one of the resource person who shared the experience with the 12 different ITEC countries participants who had attended International MDP.