Teaching Cyber Security in the University

Technology, organization and practice all participate in a key role in securing the grid from cyber threats. Yet, as it immerses itself in digitization and integrated technologies, the industry is facing increased cybersecurity threats. Cyber has always played a decisive responsibility in developing the observance level of a person as we always encouraged my students to be aware of the latest technologies.

Bring awareness among our peers is not as tough as much as Teaching cybersecurity in the university which supposes to be an important way to help students stay safe while using technology. Also, it is our moral duty and privileged for teachers who teaches the future technocrats and will be introduced to the core ideas of cybersecurity that should be taught in the classroom. You will learn the different attacks that individuals and devices are vulnerable to and how to prevent them. You will explore malware, malicious bots, SQL injections, and physical threats to data. You will also build your knowledge of the different tools that protect data and websites. These include strong passwords, biometrics, two-factor authentication, and firewalls.

Being a professional faculty from the past 15+ years, it is necessary for us too to stay updated regarding the new technologies that come over time. With the help of articles like Cybernomics, it becomes easier for people around the globe, understand a different point of views and become aware. The reason that cybersecurity plays an important role is that all of us have access to the internet. When there is the internet, there comes the danger of cybercrime in the form of cyberattacks. If people would not be aware of the attacks on the internet or how they can be cautious while using certain tools and applications. They may get themselves into danger.

Various conferences take place on cybersecurity to make students and teachers understand the basic concepts and strategies of attackers. As a faculty, teaching our students such that they can be aware of their network, the upcoming technologies and how they affect us is very important. We have a responsibility to teach such that it grows one's knowledge and unleash their capabilities once they know. They apply it in various fields in their careers, thus, making us proud. We are privileged and enthusiast for becoming a guest editor of a month and acknowledged to Scholastic Seed Inc. and Entire team of Cybernomics. We hope that this issue will bring awareness in the cyber world and benefit society by and large.

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Ms.Rajbala Simon is working as Professor in the Amity Institute of Information Technology department for 20 years. in academics; Her areas of interest include Agile Software development, Software Engineering and Soft Computing Approaches. Published more than 20 research papers in International and National Conferences and Journals in SCOPUS Impact Factor Journals and conferences. She has been a part of various sessions in International Conferences and session chair in a few conferences. She has organized various guest lectures, workshops and faculty development programmes. She has been an Associate Editor in a reputed journal and has to her credit a few books related to computer science. She is actively involved in research activities in the institute and is member of IEEE. She has been an integral part of the Examination system at AIIT and under her leadership students developed a website examitian.com to help them to prepare well for the upcoming examination.

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Dr Laxmi Ahuja PhD (CSE) working as Professor in Amity Institute of Information Technology with the role ranging from Lecturer to Professor to Dy. Director of the Department within a span of 20 years. in academics; Her areas of interest include Search Engine, Data Mining and Soft Computing Approaches; published more than 80 research papers in International and National Conferences and Journals in SCOPUS Impact Factor Journals like Springer, Elsevier, Inderscience and several others. She has successfully filed a number of patents under the domain of Information Technology as an Inventor, which has been published in "International Journal of Patents" by Patent Department, Govt. of India. She has published many Lecture Notes for Springer Book chapter. Organized various sessions in International Conferences and Session chair in various Conferences. She has organized various Guest Lectures, Workshops and Faculty Development Programme. She is Associate Editor of Proceedings of the International Conference on Reliability, Infocom Technology and Optimization (Trends and Future Directions). She is actively involved in research activities. She has currently Eight research scholar under her guidance and supervised three students for PhD. She has also published a number of books related to the operating system and Information Technology. She is Member of IEEE and Life Member of Computer Society of India, Past Vice-chairman of IETE -The Institute of Electronics and Telecommunications Engineers, Senior member of IACSIT, Member of IEEE Society. She is actively involved in various activities of these societies. She is also Technical Chair member in many Conferences

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