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Web User' Knowledge and Their Behavior towards Security Threats and Vulnerabilities (Conference Paper)

Aldossary, A.A., Zeki, A.M.

Department of Information Systems, International Islamic University Malaysia, Kuala Lumpur, Malaysia

Abstract

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Most of web users today are university students. They become more familiar with Information Security (IS) because it is a taught course in the university curriculum. However, there are many students whose level of awareness on this subject is still not enough considering the occurrence of security risks and their frequent usage of the internet. Many studies have been conducted to assess students and to raise their level of IS awareness. This study concerns about students' knowledge and their behaviour or action towards IS. This study investigates whether students' knowledge influence positively over their cultural habits of ignoring things in IS environment. This study inspects students' knowledge about risks that face them daily particularly when they deal with their emails, social network accounts, software downloading and installing and public network. This study selected students from two universities from the eastern part of Saudi Arabia (Dammam and King Faisal University). The results of this study confirmed the research questions and indicate that students' knowledge and culture is associated with their behaviour. Students with more knowledge of IS are less exposed to security risks. © 2015 IEEE.

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Information Security (IS) Security Risks (SR) and Security Threats

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Almalki, H. , Samy, G.N. , Shamugam, B.

- 1 Alarifi, A., Tootell, H., Hyland, P.
A study of information security awareness and practices in Saudi Arabia
(2012) International Conference on Communications and Information Technology - Proceedings, art. no. 6285845, pp. 6-12. Cited 4 times.
ISBN: 978-146731950-8
doi: 10.1109/ICCITechnol.2012.6285845
[View at Publisher](#)

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Ahlan, A.R. , Lubis, M.
(2011) Proceedings of the 2011 7th International Conference on Information Assurance and Security, IAS 2011

- 2 Tolnai, A., Von Solms, S.
Solving security issues using information security awareness portal
(2009) International Conference for Internet Technology and Secured Transactions, ICITST 2009, art. no. 5402560. Cited 5 times.
ISBN: 978-142445648-2

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- 3 Boujettif, M., Wang, Y.
Constructivist approach to information security awareness in the Middle East
(2010) Proceedings - 2010 International Conference on Broadband, Wireless Computing Communication and Applications, BWCCA 2010, art. no. 5633845, pp. 192-199. Cited 6 times.
ISBN: 978-076954236-2
doi: 10.1109/BWCCA.2010.70
[View at Publisher](#)

- 4 Aloul, F.A.
Information security Awareness in UAE: A survey paper
(2010) 2010 International Conference for Internet Technology and Secured Transactions, ICITST 2010, art. no. 5678046. Cited 7 times.
ISBN: 978-142448862-9

- 5 Kruger, H.A., Drevin, L., Flowerday, S., Steyn, T.
An assessment of the role of cultural factors in information security awareness
(2011) 2011 Information Security for South Africa - Proceedings of the ISSA 2011 Conference, art. no. 6027505. Cited 11 times.
ISBN: 978-145771483-2
doi: 10.1109/ISSA.2011.6027505
[View at Publisher](#)

- 6 Solic, K., Tovjanin, B., Ilakovac, V.
Assessment methodology for the categorization of ICT system users security awareness
(2012) MIPRO 2012 - 35th International Convention on Information and Communication Technology, Electronics and Microelectronics - Proceedings, art. no. 6240900, pp. 1560-1564. Cited 5 times.
ISBN: 978-953233072-4

- 7 Talib, S., Clarke, N.L., Furnell, S.M.
An analysis of information security awareness within home and work environments
(2010) ARES 2010 - 5th International Conference on Availability, Reliability, and Security, art. no. 5438096, pp. 196-203. Cited 20 times.
ISBN: 978-076953965-2
doi: 10.1109/ARES.2010.27
[View at Publisher](#)