

Examining School Children's Awareness of Cybersecurity Importance: A Study on Understanding, Knowledge Gaps, and Educational Interventions

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Abstract

At the moment, the use of the internet by social groups has increased significantly and the spread of risks through the internet has increased, so it has become important to know and understand the importance of cybersecurity in society, especially for children. Cybersecurity awareness is an ongoing process of educating and training people about the threats lurking in cyberspace, how to prevent such threats and what they should do in the event of a security incident. Studies have indicated that students' knowledge of the importance of cybersecurity awareness helps them avoid risks and how to deal with them. Thus, this thesis proposed a Cybersecurity Awareness model for children, and this model has a main characteristic and five sub-characteristics. Moreover, in order to verify the correctness of the proposed model, a questionnaire for data collection was developed. Which were randomly distributed to the study sample. The data were statistically processed using the statistical packages program (SPSS). The results showed that the degree of awareness among children is generally high and that the

standards of knowledge, attitudes, behavior, self-perception, and education positively affect cybersecurity skills and the correlation between these standards is high.

Keywords: Cybersecurity, Awareness, Actual Skills, Education, Children.