

Integrating Culture into Cybersecurity Training: Recommendations for Education and Industry

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Abstract

This paper recognises the lack of consideration of cultural elements in cybersecurity

education and attempts to bridge the existing gap in research. Adopting a qualitative approach, we review existing literature relating to human elements, cultural factors, and cybersecurity, as well as literature that links human cybersecurity behaviour with Hofstede's Cultural Framework. Our findings focus on recommendations for integrating identified cultural factors into security programmes in education and industry. We conclude that educational institutions and companies should recognise the role of culture in cybersecurity and take necessary steps to provide their respective stakeholders (students, leaders, and employees) with intercultural training, as well as include cultural elements in their training programmes.

Keywords: Culture, Human Cybersecurity Behaviour, Educational Institution, Companies