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Combined approaches for cybersecurity awareness training in South Africa

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Abstract

Traditional cybersecurity awareness training typically consists of classroom environments with lecture style learning. However, a more transformative approach is required as to how we perceive and implement cybersecurity awareness. Seamless integration into digital and real-world scenarios can help learners shift their behaviour and knowledge base. This paper presents a paradigm shift to more innovative and reimagined styles towards cybersecurity awareness. The authors present the demand for skills development, the state of digital literacy, unique local needs and engagement strategies to facilitate a more novel approach to cybersecurity awareness within South Africa by incorporating a combination of approaches like simulated content, different forms of learning, micro-learning, gamification, intelligent classrooms, interactive role plays, long reads, podcasts and screencasts.