

Gamification of Cybersecurity Awareness



In the modern era of digitalisation, cybercrime is more prevalent than ever before. Attacks can take on different forms, such as malware, phishing, denial of service, hacking, etc. Human involvement is especially susceptible to social engineering phishing attacks but is an important aspect of almost all cybersecurity. Therefore, it is crucial to establish a 'human firewall' to enhance defence against these kinds of attacks. This involves increasing people's understanding of cybersecurity via awareness, training and education. Research has shown that gamification is an effective approach to boost awareness and educate individuals on this subject, which involves incorporating game design principles into cybersecurity awareness.

The toolset provided with the Gamification-based Cybersecurity Awareness and Assessment Framework will allow organisations to create their own tailored gamified systems focused on educating users on aspects of cybersecurity that are most relevant to that user within the organisation. This provides the organisations with the control to easily fine-tune awareness and training exercises to its own needs instead of requiring generic third party software.



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