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Abstract

Currently, the adoption rate of biometric technology has speedily grown in all applications. The technology is considered as an effective measure for the protection against crime. However, there is a concern that it violates the privacy and rights of the individuals. For instance, the possibility of fraud, identity theft, civil liberty violations, and inaccuracy of data. As a result, create the conflicts between service provider and public as they may be accused of a crime or become a victim of discrimination. This study constitutes exploratory research and is restricted to the usage of the biometric application system within the passport. It aims at discovering the substantial acceptance of users in implementing the biometric application for the East African passport (Uganda). Factor influencing users' opinions regarding the acceptance of the biometric application, User willingness, trust and techniques for securing the biometric information are presented. Strategies aimed at regulating the protection of biometric data on the usage of the application are explained. The findings suggested encryption techniques as the most favorable tactic of protecting the biometric data application. Therefore, best practices such as individual desirability, practical accurateness, and eagerness are required.