Cybersecurity in the Developing States: A Peep into Opportunities and Barriers to Implementation

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Abstract:

In the era of advanced and emerging technologies, cyber-attacks are now one of the most challenging issues confronting cyber systems globally, so cybersecurity is now becoming a new trait. Hence, this paper examines cybersecurity in developing countries using a literature review approach. It highlights the unique challenges faced by these nations, such as early government initiatives, public-private collaborations, and the evolution of cyber threats. Opportunities lie in emerging technologies and international collaboration, while barriers include socio-economic factors, infrastructure limitations, and policy challenges. The study emphasizes the significance of addressing cybersecurity for national security and economic stability, especially as it concerns developing states. It provides theoretical contributions, practical recommendations, and suggests future research to explore cultural impacts and the sustainability of international collaboration efforts. The paper emphasizes the global responsibility to strengthen cybersecurity in developing nations for equitable digital participation and a secure digital landscape.

Keywords:

Cyber-attacks, Cybersecurity, Developing countries, Digital divide, Emerging Technologies.