

BLOCKCHAIN-BASED AUTOMATION: A NEW FRONTIER FOR BUSINESS EFFICIENCY AND COLLABORATION

Cosmin URSACHE¹, Lenuța ALBOAIE¹, Alexandru Dragoș ROBU², Ana URSU²

e-mail: ursuana96@yahoo.com

Abstract

This article explores the benefits of using blockchain technology for business automation, including improved communication, data privacy, control, traceability, and notarisation. Blockchain technology can transform the operability of businesses, providing greater efficiency, security, and transparency. However, enterprises must also consider the challenges and considerations associated with implementing this technology, such as integration, scalability, regulatory and legal issues, security, cost, and user adaptability. Further, this article highlights the potential of OpenDSUs, Data Sharing Units (DSU), and Self-Sovereign Applications (SSApps) as solutions for implementing blockchain-based automation. By adopting a thoughtful, strategic approach to implementing blockchain-based automation and leveraging the right tools and platforms, businesses can improve their operations, build trust with their customers and stakeholders, and stay ahead of the competition in a rapidly evolving digital landscape.

Key words: blockchain-based automation, data privacy, Self-Sovereign Applications (SSApps)