

Chapter 1

Developing Digital Inclusion Through Globalization and Digitalization

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ABSTRACT

This chapter aims to contribute to the benefits of linking globalization and digitalization to develop the digital economy and digital inclusion, fill knowledge gaps, and complete the digital transformation of the globalization-enhanced economy. The policy implications will be created based on significant findings to be employed by the economy's policymakers, industry, academics, international organizations, and other concerned institutions around the world as globalization and digitalization platforms to instrument the sustainable development goals (SDGs) to realize sustainable digital economies and businesses around the globe. To guarantee improved consistency, one ought to employ this review globalization and digitalization findings to examine the SDGs sustainability issues in general and digital technologies (big data analytics applications) as positive externalities and tackle the negative externalities brought by the environmental damages in the undesirable output generated in the form of pollutants emissions to achieve innovation and environmental integration.

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INTRODUCTION

Globalization is the assertion employed to illustrate the emergent interrelationship of the world's economies, cultures, and populations, brought about by cross-boundary trade in goods and services, technology, and investment flows, individuals, and information. Nations have constructed economic collaborations to accelerate globalised arrangements over centuries. Nonetheless, the globalisation stretch acquired reputation after the Cold War in the early 1990s, as these collaborative engagements affected contemporary common life. Centuries of technological progress and innovations in international cooperation and smart partnership, the world is more connected than ever. Nonetheless, how much has the increase of trade and the contemporary global economy improved or harmed worldwide businesses, workforce, and consumers by the globalisation and digitalization nexus.

Digital technology (digitalization and digitization) adoption and globalization nexus experience significant aspects of today's realm in enabling work accomplishment swiftly and reducing expenditures. The digital technology adoption and globalization nexus are the major influences modifying long-term green economic growth. The digital technology use can amend resource efficiency, reduce emissions, and create new opportunities for green economic growth by boosting communication, improving processes, and encouraging innovation and environmental integration. The digital technology adoption and globalization nexus have enhanced significantly today's world in accelerating work completion promptly and reducing costs (Elfaki and Ahmed. (2024). Digital economy-related technological change among others has an impact on inflation, wages, labor markets, and production (Ahmed, 2023). The process of globalization stimulates innovation and hastens technology transfer, the development of the 1970s within structural transformation was featured by growth in labor productivity because of technological advancement (Skare & Soriano, 2021). Due to the intensifying economic activity of digitalization, the world economy is undergoing a stage of structural and technological change (Sichoongwe, 2023). In 2016, 15.5 percent of the gross domestic product came from the global digital economy (Cusolito et al., 2020). Technological innovations have provided resolves to human necessities and potentially become new drivers of economic growth and social improvement (Li and Piachaud 2019). Globalization has a crucial effect on world competition and productivity-Multi-factor (Skare & Soriano, 2021).

It should be recalled that Research and development (R&D) on digital technological innovation and environmental integration frequently focuses on digital technology shifts in the societies and institutes depth. Likewise, methods to the technological innovation and environmental integration occurrence are regularly employed to analyse on digital technological innovation and environmental integration gains (Park & Choi 2019). Business models' transformation from conventional to digital

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