

Unveiling Digital Literacy Trends: Insights into Impact, Engagement, and Sustainable Development

B. Jothimani¹ and S. Aravind^{2*}

¹ Ph.D. Research Scholar, Department of Library and Information Science, Madurai Kamaraj University, Madurai and Assistant Librarian, G.T.N. Arts College (Autonomous), Dindigul, India

² College Librarian & Head, Central Library & Department of Library and Information Science, G.T.N. Arts College (Autonomous), Dindigul, India

*aravindlibrarian@gtartcollege.ac.in

In the age of swift digital transformation, the notion of digital literacy is consistently growing to include a broad spectrum of skills essential for navigating modern digital environments. This study examines learners' choices and priorities concerning digital literacy, specifically in relation to the United Nations Sustainable Development Goals (SDGs), notably Goal 4 (Quality Education) and Goal 9 (Industry, Innovation, and Infrastructure). This research analyses engagement with essential digital domains, including cybersecurity, Artificial Intelligence (AI), digital wellness, Extended Reality (XR), blockchain, digital accessibility, green digital literacy, and personal branding, using data gathered from a structured survey of 269 participants. The results indicate that cybersecurity literacy was the foremost priority among respondents, reflecting an enhanced understanding of data protection and online safety in an increasingly linked environment. This was succeeded by AI literacy, indicating the increasing impact of machine learning and automation on education and the workforce. Digital wellness, pertaining to mental and physical health in the digital realm, had emerged as the third most pressing topic, highlighting the necessity for balanced and aware technology usage. These insights highlight the evolving expectations of learners in the digital era and stress the importance of matching digital education methods with contemporary technical advancements and societal issues. The study enhances the dialogue on inclusive education by promoting the creation of adaptive, forward-thinking digital literacy initiatives. It underscores the capacity of these programs to diminish the digital divide, foster equal technological access, and facilitate innovation-driven sustainable development. This study identifies key areas for learners and aligns them with global objectives, providing essential direction to educators, policymakers, and organizational leaders seeking to develop pertinent digital skills and empower individuals within the digital economy.

Keywords: *Blockchain; Cybersecurity; Digital literacy; Sustainable Development Goals; Green digital literacy*