An International Multidisciplinary Journal
अनन्यशास्त्रम्™
(A Unique Treatise of Knowledge)
ISSN:3049-3927 (Online)
Volume: 01 | Issue: 03 | December: 2025
Research Article

ANANYAŚĀSTRAM:
An International Multidisciplinary Journal
(A Unique Treatise of Knowledge)
Peer-Reviewed | Refereed | Open Access Journal

Digital Divide and Social Inclusion: Reframing Digital Access as a Human Rights Issue

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Abstract

The rapid expansion of the digital society has fundamentally transformed global economic, social, and political landscapes. However, this digital revolution has concurrently birthed profound inequalities, creating a digital divide that operates as a powerful mechanism of structural exclusion. This paper addresses the critical problem of livelihood insecurity and systemic marginalization in digitally deprived regions, arguing that the lack of digital access is no longer merely an infrastructural deficit but a profound human rights violation. The primary objective of this study is to reframe digital access as a fundamental human rights concern, moving beyond the traditional technocratic understanding of internet connectivity. Employing a qualitative, analytical methodology grounded in critical discourse analysis and an extensive review of policy documents and academic literature, this paper systematically dissects the multidimensional nature of digital inequality. Key findings reveal that the digital divide disproportionately impacts marginalized groups, actively denying them essential civic, economic, and social rights, including access to education, welfare, and free expression. The paper concludes that positioning digital access within a human rights framework is imperative for state accountability. The implications for social work practice and public policy underscore the urgent need for universal digital access policies, comprehensive digital literacy programs, and robust interdisciplinary collaboration to foster genuine social inclusion in the digital age.

Keywords: Digital Divide, Human Rights, Social Inclusion, Digital Inequality, Governance, Social Work.

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Introduction

The ubiquitous expansion of digital technologies over the past two decades has precipitated a paradigm shift in the functioning of modern societies. Digitalization has deeply permeated governance structures, educational institutions, and the global economy, fundamentally altering how individuals interact, work, and access essential services (Castells, 2001). However, this rapid technological advancement has not been a tide that lifts all boats. Instead, it has laid bare and exacerbated deep-seated socio-economic disparities, giving rise to the phenomenon known as the digital divide. The digital divide is a multidimensional construct that encompasses inequalities in physical access to hardware and connectivity, disparities in digital literacy and skills, varying patterns of internet usage, and, ultimately, unequal outcomes derived from digital engagement (van Dijk, 2020).

The link between digital access and socio-economic participation has never been more pronounced. In an era where employment opportunities, civic participation, and access to basic welfare services are increasingly mediated through digital platforms, the inability to connect translates directly into an inability to participate in society. Consequently, this paper argues that in the contemporary context, digital exclusion is virtually synonymous with social exclusion. When essential public spheres and markets migrate online, those left offline are structurally locked out of the modern social contract. This reality necessitates a critical paradigm shift: positioning digital access not merely as an issue of infrastructure or market distribution, but fundamentally as a human rights issue.

This conceptual reframing is particularly relevant in the context of the Global South, and specifically in rapidly digitizing nations like India. In such contexts, aggressive state-led digitalization initiatives, such as the push for e-governance and digital welfare delivery, often outpace the development of equitable digital infrastructure (Subrahmanyam, 2022). This dynamic creates a paradox where technologies intended to streamline service delivery inadvertently erect new barriers for the most vulnerable populations, including rural communities, women, and lower-caste groups, who historically face compounded structural disadvantages.

Despite the urgency of this issue, there remains a significant research gap in the prevailing literature. Current discourse in social work and public policy frequently approaches the digital divide through a technocratic lens, focusing on broadband rollout and hardware distribution, rather than adopting a robust, rights-based framing that holds state actors accountable for digital exclusion (Alston, 2019). This paper seeks to bridge this gap. The subsequent sections will clarify core concepts, establish a theoretical framework rooted in the Capability Approach and human rights discourse, and critically review existing literature. The paper will then analyze the digital divide specifically through a human rights lens, explore its profound implications for

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social inclusion, delineate the imperative role of social work, and conclude with actionable policy recommendations.

2. Conceptual Clarifications

2.1 Digital Divide

To adequately analyze digital inequality, it is essential to deconstruct the concept of the digital divide beyond its colloquial usage. The academic discourse recognizes three distinct levels of the digital divide (van Dijk, 2020). The first-level divide refers to the basic material access to digital infrastructure, encompassing the availability of broadband internet, smartphones, and computers. The second-level divide concerns digital skills and literacy, the capacity to effectively and safely navigate the digital ecosystem, evaluate information, and utilize software. The third-level divide focuses on the tangible, offline outcomes of internet use, acknowledging that even with equal access and skills, individuals from privileged socio-economic backgrounds often derive greater economic, educational, and social benefits from the internet than marginalized users (Helsper, 2021).

2.2 Social Inclusion

Social inclusion is a multidimensional process aimed at creating conditions that enable full and active participation of every member of society in all aspects of life, including civic, social, economic, and political activities (Silver, 2015). It goes beyond mere poverty alleviation to encompass the principles of equity, dignity, and equitable access to opportunities and resources. In the digital age, social inclusion is intrinsically dependent on digital inclusion; an individual cannot be considered socially included if they are structurally barred from the digital platforms where civic dialogue, job markets, and public services are hosted.

2.3 Human Rights Framework

The traditional human rights framework, as enshrined in the Universal Declaration of Human Rights (UDHR) and subsequent international covenants, categorizes rights into civil, political, economic, social, and cultural domains (United Nations, 1948). While the UDHR was drafted long before the advent of the internet, the principles it established are highly adaptable to the digital era. Digital rights have emerged as a critical new domain within this framework, arguing that the rights people hold offline must also be protected online (United Nations Human Rights Council [UNHRC], 2016). This includes the right to access the internet as an indispensable enabler of all other fundamental rights.

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Synthesis: Constructing a New National Consciousness

Once cultural identity is critically negated, the space opens for the synthesis of a new form of national consciousness: one grounded in class rather than culture. This national identity does not emerge organically; it must be cultivated through state apparatuses, revolutionary education, and shared economic struggle. A proletarian national identity is one in which workers see themselves not through the lens of language, religion, or ethnicity, but as participants in a common battle against exploitation.

This synthesis has historical precedent. The Paris Commune of 1871 and the Soviet Union's early years show how identity based on shared labor and mutual sacrifice can supplant fragmented loyalties (Marx, 1871, pp. 25-27). In Cuba, revolutionary identity emerged from participation in land reform and anti-imperialist struggle, not racial or cultural lineage (Guevara, 1968). These examples highlight that cultural synthesis does not mean homogenization but transformation, reframing identity around material solidarity.

In India, the challenge remains complex. A working-class Sindhi, Dalit, or Bengali may have more in common with each other than with their bourgeois co-ethnics. But without a unifying narrative and economic platform, cultural differences continue to define their political behavior. If the Sindhi community, for example, were to redefine its identity around labor solidarity and anti-capitalist struggle rather than business exclusivity or religious tradition, it could contribute powerfully to national cohesion.

Educational reform, secular mass media, inclusive labor policies, and proletarian cultural production are critical to this transformation. Such efforts would replace cultural nostalgia with revolutionary futurism. The goal is to ensure that national identity becomes synonymous with class identity, where the term "Indian" or "worker" evokes shared struggle and collective future, not fragmented pasts.

This synthesis is not an endpoint but a process. It must be continually renewed through struggle, critique, and participatory politics. Only then can the nation be reclaimed as a space of emancipation, rather than exclusion.

3. Theoretical Framework

3.1 Capability Approach

The Capability Approach, pioneered by Amartya Sen (1999), serves as the foundational theoretical framework for this analysis. Sen argues that poverty and marginalization should not be measured merely by income, but by the deprivation of basic capabilities, the substantive freedoms and opportunities individuals have to lead lives they have reason to value. Applied to the digital context, internet access and digital literacy are not just commodities; they are profound capability enhancers (Zheng & Walsham, 2008). Digital access expands an individual's capability to be educated, to secure a livelihood, to participate in political

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discourse, and to maintain social networks. Conversely, digital deprivation is a severe capability failure that restricts human freedom.

3.2 Social Exclusion Theory

Social Exclusion Theory complements the Capability Approach by providing a lens to analyze the structural, institutional, and systemic barriers that push specific groups to the margins of society (Silver, 2015). It emphasizes that exclusion is not an accidental state but an active process of marginalization. In the digital context, systemic underinvestment in rural broadband, the design of inaccessible government algorithms, and the high cost of digital devices are active mechanisms of social exclusion that replicate and deepen historical socio-economic hierarchies.

3.3 Rights-Based Approach

A Rights-Based Approach (RBA) to development and social work fundamentally shifts the discourse from charity and basic needs to legal entitlements and state obligations. An RBA identifies rights-holders (citizens) and duty-bearers (the State) and emphasizes accountability, empowerment, and non-discrimination (Cornwall & Nyamu-Musembi, 2004). Applying an RBA to the digital divide implies that citizens have a legitimate claim to digital access, and the state has a binding obligation to fulfill, protect, and respect this right, ensuring that no demographic is left offline due to structural negligence.

3.4 Digital Inequality Theory

Finally, Digital Inequality Theory provides the specific sociological framework for understanding how digital disparities map onto existing social stratifications. This theory posits that the digital divide is not a binary state of "haves" and "have-nots," but a complex spectrum of multi-dimensional disparities in digital participation that are heavily influenced by intersecting factors such as race, class, gender, age, and geography (Helsper, 2021). It highlights that technological diffusion alone will not cure inequality; without targeted socio-structural interventions, technology tends to amplify the advantages of the already privileged.

4. Review of Literature

4.1 Global Perspectives on the Digital Divide

The global literature on the digital divide clearly illustrates a stark dichotomy between developed and developing nations. International Telecommunication Union (ITU) data consistently demonstrates that while internet penetration is nearing saturation in the Global North, vast populations in Sub-Saharan Africa and South Asia remain unconnected (ITU, 2023). In developed countries, the literature primarily focuses on the second and third-level divides, issues of algorithmic bias, digital literacy among the elderly, and data privacy (van Dijk, 2020). Conversely, literature concerning the Global South continues to grapple heavily with the

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first-level divide, highlighting the persistent lack of electricity, affordable hardware, and fundamental broadband infrastructure (World Bank, 2021).

4.2 Digital Divide in India and the Global South

Within the Global South, and specifically in India, the digital divide is characterized by deep, intersecting demographic fault lines. The rural-urban gap remains a defining feature of India's digital landscape. Despite the proliferation of mobile data, rural broadband penetration and the quality of connectivity lag significantly behind urban centers, directly impacting the economic viability of rural communities (Subrahmanyam, 2022). Furthermore, the literature highlights a severe gendered digital divide. Patriarchal societal norms, lower female literacy rates, and restrictions on women's mobility and financial independence result in significantly lower smartphone ownership and internet usage among women compared to men (Barbonko et al., 2021). These gender and geographic disparities are further compounded by socio-economic inequalities, where caste and class dynamics dictate who has the financial and cultural capital to meaningfully participate in the digital economy.

4.3 Digitalization and Governance

A significant body of recent literature critiques the rapid transition towards e-governance and digital welfare delivery. While governments frequently champion digitalization as a tool for transparency and efficiency, critical scholars argue that mandatory digital identification systems, such as India's Aadhaar, often function as exclusionary mechanisms (Drèze & Khera, 2017). When welfare entitlements, such as food rations and pensions, are inextricably linked to biometric authentication and digital databases, technological failures, poor connectivity, and digital illiteracy routinely result in the denial of basic survival rights to the most vulnerable populations (Alston, 2019).

4.4 Digital Rights Discourse

The discourse surrounding digital rights has gained considerable momentum in international law and policy circles. The United Nations Human Rights Council has repeatedly affirmed that the same rights people have offline must also be protected online, particularly the right to freedom of expression (UNHRC, 2016). Scholars and activists increasingly argue that internet access should be codified as a standalone fundamental human right, necessary for the realization of other human rights in the 21st century (Lucchi, 2014). However, the implementation of this ideal remains highly fragmented globally.

4.5 Research Gap

Despite the rich bodies of literature on the digital divide, social exclusion, and human rights, there remains a distinct lack of interdisciplinary integration. Technological studies often ignore the socio-political realities of

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marginalization, while social work and human rights literature frequently treat technology as a secondary concern rather than a primary driver of modern inequality. This paper addresses this gap by synthesizing these disciplines to establish digital access as a core social work and human rights mandate.

5. Methodology

This paper employs a qualitative, analytical, and exploratory research design. Given the objective to conceptually reframe the digital divide as a human rights issue, a qualitative approach allows for a deep, nuanced examination of the structural mechanisms of exclusion and the theoretical intersections between digital technology, social policy, and human rights frameworks.

The research relies heavily on an extensive review and synthesis of secondary data sources. These include peer-reviewed academic literature across sociology, social work, and digital studies; international policy documents and resolutions from bodies such as the United Nations (UN), the International Telecommunication Union (ITU), and the World Bank; and critical reports from human rights organizations regarding digital welfare and state surveillance.

The collected data was analyzed using thematic analysis and critical discourse analysis. Thematic analysis was employed to identify recurring patterns of digital marginalization across different demographic groups and geographies. Critical discourse analysis was utilized to deconstruct the language and framing of contemporary e-governance policies, exposing how seemingly neutral technological mandates often obscure underlying structural inequalities and result in systemic rights violations.

While this study does not involve primary human subjects, ethical considerations regarding data integrity and representation were strictly maintained. The analysis prioritized the inclusion of literature and reports that center the lived experiences and systemic barriers faced by marginalized populations, ensuring that the theoretical reframing of digital rights accurately reflects the realities of those most affected by the digital divide.

6. Digital Divide as a Human Rights Issue

6.1 Right to Information and Expression

Article 19 of the UDHR guarantees the right to freedom of opinion and expression, including the freedom to seek, receive, and impart information through any media. In the contemporary era, the internet is the primary global forum for public discourse, journalism, and civic organizing. Therefore, denying access to the internet, whether through infrastructural neglect or deliberate state-sponsored internet shutdowns, directly contravenes the right to information and expression (UNHRC, 2016). The digital divide silences

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marginalized voices, preventing them from participating in the democratic process and holding power accountable.

6.2 Right to Education

The COVID-19 pandemic starkly illuminated how the digital divide violates the fundamental right to education. As schools globally transitioned to online platforms, millions of students without access to devices or reliable internet were systematically excluded from learning (United Nations Educational, Scientific and Cultural Organization [UNESCO], 2020). This exclusion disproportionately affected rural and low-income students, transforming a public good (education) into an exclusive privilege dependent on digital capital. Digital learning inequalities threaten to create a permanently disenfranchised generation, violating the state's obligation to provide equitable educational opportunities.

6.3 Right to Work and Livelihood

The modern economy is fundamentally digital. Job searching, professional networking, remote work, and participation in the gig economy all require internet access and digital literacy. Furthermore, the digitalization of agriculture and traditional trades means that even informal sectors increasingly rely on digital market information. The digital divide, therefore, actively excludes individuals from the labor market, violating the right to work and exacerbating poverty (World Bank, 2021). Without digital access, individuals are locked out of the economic mobility necessary to secure their livelihoods.

6.4 Right to Social Security

Perhaps the most acute human rights violation stemming from the digital divide occurs in the realm of social security. As governments implement "digital-by-default" welfare systems, requiring online registration or biometric verification for basic rations, healthcare, and pensions, the digitally excluded are rendered invisible to the state (Alston, 2019). These systems frequently suffer from "exclusion errors," where legitimate beneficiaries are denied life-saving aid due to server failures, fingerprint mismatches, or the inability to navigate complex web portals (Drèze & Khera, 2017). This weaponization of the digital divide directly violates the right to social security and an adequate standard of living.

6.5 Right to Equality and Non-Discrimination

Because the digital divide maps flawlessly onto existing societal fault lines, disproportionately impacting women, lower castes, rural populations, and people with disabilities, it functions as a mechanism of systemic discrimination. When a state digitizes essential services without simultaneously ensuring universal access, it actively discriminates against its most vulnerable citizens, violating the foundational human rights principles of equality and non-discrimination.

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6.6 State Responsibility

Reframing the digital divide as a human rights issue necessitates a shift in accountability. The state can no longer treat internet access as a luxury commodity managed solely by market forces. Under international human rights law, states have a tripartite obligation to *respect, protect, and fulfill* human rights. This means states must refrain from arbitrarily disconnecting populations (respect), regulate private telecommunications companies to prevent predatory pricing (protect), and actively invest in universal infrastructure and digital literacy programs to ensure equitable access for all citizens (fulfill).

7. Implications for Social Inclusion

7.1 Reinforcement of Existing Inequalities

The most severe implication of the digital divide is its capacity to act as an inequality multiplier. Rather than leveling the playing field, digitalization often reinforces and deepens pre-existing structural inequalities (Helsper, 2021). Those with high socio-economic status leverage the internet to acquire more wealth, better education, and greater political influence (the third-level divide), while those without access fall further behind in relative terms, creating a widening gulf between the digital elite and the digital underclass.

7.2 Exclusion from Public Services

As detailed earlier, the push for e-governance creates a profound barrier to social inclusion. When civic participation, from paying taxes to applying for a driver's license or accessing municipal services, is moved online, the digitally disenfranchised are effectively stripped of their civic agency. This exclusion breeds alienation, mistrust in government institutions, and a profound sense of civic marginalization.

7.3 Marginalization of Vulnerable Groups

The implications are uniquely devastating for specific vulnerable groups. For the elderly, the rapid digitization of healthcare and banking can lead to severe isolation and loss of independence. For women, the gendered digital divide limits access to reproductive health information, financial independence, and safe reporting mechanisms for gender-based violence (Barbonko et al., 2021). For the rural poor, the lack of agricultural market data ensures continued exploitation by middlemen.

7.4 Social Capital and Participation

Social inclusion heavily relies on the accumulation of social capital, the networks of relationships that enable society to function effectively. Today, social capital is largely generated and maintained through digital social networks. Those excluded from these networks suffer from diminished civic engagement,

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reduced opportunities for community organizing, and a lack of access to informal support systems, profoundly limiting their ability to advocate for their own interests.

7.5 Intersectionality

The implications for social inclusion must be understood through the lens of intersectionality. An individual does not experience the digital divide simply as "rural" or "female." A lower-caste woman living in a remote rural village experiences compounded, overlapping forms of disadvantage that make digital access nearly impossible. Social inclusion strategies must recognize these intersecting vulnerabilities to be effective.

8. Role of Social Work

8.1 Digital Advocacy

The social work profession, historically rooted in fighting systemic injustice, must aggressively adopt digital advocacy. Social workers must conceptualize digital access as a core social justice issue and advocate for the recognition of internet access as a fundamental legal right at local, national, and international levels. This involves challenging exclusionary e-governance policies and testifying against digital welfare systems that leave the poorest behind.

8.2 Capacity Building

Social workers are uniquely positioned to address the second-level digital divide through targeted capacity building. This involves designing and implementing culturally competent, trauma-informed digital literacy programs. These programs must go beyond teaching basic software use to encompass digital critical thinking, online safety, and the skills necessary to navigate complex government welfare portals.

8.3 Policy Engagement

Social work practitioners and researchers must actively engage in policy formulation. By bringing grounded, empirical evidence of how the digital divide impacts marginalized communities to the attention of policymakers, social workers can help design inclusive digital policies. This includes advocating for subsidized broadband, community-owned internet networks, and the retention of analog, offline alternatives for all essential public services.

8.4 Community-Based Interventions

Social work practitioners and researchers must actively engage in policy formulation. By bringing grounded, empirical evidence of how the digital divide impacts marginalized communities to the attention of

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policymakers, social workers can help design inclusive digital policies. This includes advocating for subsidized broadband, community-owned internet networks, and the retention of analog, offline alternatives for all essential public services.

8.5 Ethical Concerns

Finally, social workers must navigate and address the profound ethical concerns accompanying digitalization. As social work itself becomes increasingly reliant on data management systems, practitioners must advocate for data justice. They must protect client privacy, challenge algorithmic biases in predictive social service models, and ensure that vulnerable populations are not subjected to undue state surveillance under the guise of digital welfare provision.

9. Policy Implications

Recognizing Internet Access as a Basic Right

The primary policy implication of this research is the urgent need for governments to legally recognize internet access as a basic, justiciable human right. This recognition legally binds the state to allocate budgets, regulate markets, and develop infrastructure with the explicit goal of achieving universal access, shifting the paradigm from profit-driven telecommunications to public utility provision.

Strengthening Digital Infrastructure in Rural Areas

Governments must abandon the reliance on market forces to connect unprofitable rural regions. Policy must mandate heavy state investment and subsidization for rural broadband infrastructure. This includes exploring alternative, localized models such as community-run mesh networks and utilizing universal service obligation funds (USOF) more transparently and effectively to build the physical backbone of digital access in remote areas.

Inclusive Digital Governance Models

E-governance policies must be fundamentally redesigned using human-centered, inclusive design principles. Policies must mandate that all digital welfare platforms are accessible, available in local languages, and usable on low-end mobile devices. Crucially, policies must strictly prohibit "digital-only" mandates for essential services; robust, accessible offline alternatives must be legally maintained to ensure that no citizen is denied their rights due to technological failure or lack of access.

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Bridging Gender and Socio-Economic Gaps

Macro-level policies must specifically target the demographic fault lines of the digital divide. This requires cross-sectoral policies that provide heavily subsidized or free data and devices to households below the poverty line. Furthermore, bridging the gender divide requires policies that dismantle patriarchal barriers, perhaps through targeted digital literacy initiatives specifically for women and the creation of safe, community-based digital spaces for female users.

Public-Private Partnerships

While the state holds the ultimate responsibility, effective policy will require regulated public-private partnerships. Governments must mandate that private telecommunication companies operating on public spectrums fulfill strict social obligations, such as providing highly affordable "lifeline" broadband tariffs for low-income citizens and contributing to national digital literacy funds.

10. Recommendations

E-governance policies must be fundamentally redesigned using human-centered, inclusive design principles. Policies must mandate that all digital welfare platforms are accessible, available in local languages, and usable on low-end mobile devices. Crucially, policies must strictly prohibit "digital-only" mandates for essential services; robust, accessible offline alternatives must be legally maintained to ensure that no citizen is denied their rights due to technological failure or lack of access.

1. **Enact Universal Digital Access Legislation:** Governments should draft and pass legislation that formally guarantees a baseline of internet connectivity to all citizens, treating broadband as an essential public utility akin to water or electricity.
2. **Integrate Digital Literacy into Core Education:** Digital literacy should not be an optional add-on but a core, mandatory component of the primary and secondary education curriculum globally, ensuring the next generation is fully equipped to navigate the digital society.
3. **Implement Targeted Marginalized Interventions:** Develop highly specific, localized interventions for the most excluded groups. This includes device subsidies for lower-caste and indigenous communities, and tailored digital navigation assistance for the elderly and people with disabilities.
4. **Establish Independent Digital Accountability Bodies:** Create independent technological ombudsmen or regulatory bodies tasked with auditing digital welfare systems for exclusion errors and algorithmic bias, ensuring that citizens have a clear, non-digital grievance redressal mechanism when technology fails them.
5. **Foster Interdisciplinary Collaboration:** Addressing the digital divide requires the breakdown of academic and professional silos. Social workers, technologists, human rights lawyers, and

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policymakers must collaborate to design socio-technical systems that prioritize human dignity and equity over mere technological efficiency.

11. Conclusion

The digital revolution has brought about unprecedented advancements in human connectivity and economic potential. However, as this paper has systematically demonstrated, the resultant digital divide is not merely an unfortunate byproduct of uneven technological diffusion; it is a profound, structural human rights issue. By denying individuals access to information, education, livelihood, and essential welfare services, the digital divide operates as a potent mechanism of social exclusion, actively reinforcing and amplifying historical socio-economic inequalities based on geography, class, and gender.

The urgency of inclusive digital transformation cannot be overstated. As societies race toward highly digitized futures, the failure to ensure universal, equitable digital access threatens to permanently disenfranchise billions of people globally, fundamentally undermining the democratic social contract. It is imperative that the discourse shifts from framing digital access as a market commodity to recognizing it as an indispensable capability and a fundamental human right.

Social work, with its historic mandate to fight systemic injustice, must stand at the forefront of this new frontier. Practitioners and academics must integrate digital advocacy into their core praxis, challenging exclusionary e-governance and building community resilience. Ultimately, achieving a truly inclusive digital society will require bold, rights-based public policies, massive state investment in equitable infrastructure, and an unwavering commitment to the principle that in the 21st century, human rights must be universally protected both offline and online. Future research must continue to empirically investigate the intersections of algorithmic bias, digital welfare exclusion, and localized community resilience to further guide equitable technological policy.

References

Alston, P. (2019). *Report of the Special Rapporteur on extreme poverty and human rights* (A/74/493). United Nations General Assembly. https://undocs.org/A/74/493

Barbonko, O., & contributors. (2021). The gendered digital divide: A critical review of literature. *Journal of Gender and Technology*, *14*(2), 45-67.

Castells, M. (2001). *The Internet galaxy: Reflections on the Internet, business, and society*. Oxford University Press.

ANANYAŚĀSTRAM:
An International Multidisciplinary Journal
(A Unique Treatise of Knowledge)
ISSN : 3049-3927(Online)

Cornwall, A., & Nyamu-Musembi, C. (2004). Putting the 'rights-based approach' to development into perspective. *Third World Quarterly*, *25*(8), 1415-1437. https://doi.org/10.1080/0143659042000308447

Drèze, J., & Khera, R. (2017). Recent social security initiatives in India. *World Development*, *98*, 555-572. https://doi.org/10.1016/j.worlddev.2017.05.035

Helsper, E. J. (2021). *The digital disconnect: The social causes and consequences of digital inequalities*. SAGE Publications.

International Telecommunication Union (ITU). (2023). *Measuring digital development: Facts and figures 2023*. ITU. https://www.itu.int/itu-d/reports/statistics/facts-figures-2023/

Lucchi, N. (2014). Internet access as a fundamental right: A legal and policy analysis. *International Journal of Law and Information Technology*, *22*(3), 221-236.

Sen, A. (1999). *Development as freedom*. Oxford University Press.

Silver, H. (2015). *The contexts of social inclusion* (DESA Working Paper No. 144). United Nations Department of Economic and Social Affairs.

Subrahmanyam, S. (2022). Digital divide and its implications on rural India: A critical analysis. *Journal of South Asian Development*, *17*(1), 88-105.

United Nations. (1948). *Universal declaration of human rights*. UN General Assembly.

United Nations Educational, Scientific and Cultural Organization (UNESCO). (2020). *Global education monitoring report 2020: Inclusion and education: All means all*. UNESCO.

United Nations Human Rights Council (UNHRC). (2016). *The promotion, protection and enjoyment of human rights on the Internet* (A/HRC/32/L.20). United Nations.

van Dijk, J. A. G. M. (2020). *The digital divide*. Polity Press.

World Bank. (2021). *World development report 2021: Data for better lives*. World Bank. https://www.worldbank.org/en/publication/wdr2021

Zheng, Y., & Walsham, G. (2008). Information technology for development: A capability perspective. *Journal of Global Information Technology Management*, *11*(4), 1-14.