The Impact Of The Digitization On The Social Media

Posted on September 25, 2019

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Research Proposal

Digitization has transformed social media from a collection of websites into an infrastructure for communication, identity, commerce, public services, political participation, and professional practice. Messages are now stored as data, ranked by algorithms, copied across platforms, and analyzed for advertising or prediction. The original proposal correctly recognizes that organizations must adapt to digital communication, but it uses “social work” and “social media” interchangeably and does not define the mechanisms being studied. This proposal will examine how digitization changes social-media interaction through platform design, data collection, automation, recommendation systems, artificial intelligence, and mobile access. It will evaluate both organizational opportunities and social risks rather than assuming that more digital communication automatically creates better communication (van Dijck et al., 2018; Zuboff, 2019).

Background

Digitization converts information, images, sound, behavior, and relationships into machine-readable data. Social media platforms use that data to organize profiles, networks, feeds, advertisements, moderation, and measurement. Earlier online communities largely required users to seek pages or chronological updates. Contemporary platforms select content through personalized ranking, notifications, autoplay, and predictive systems. This shift changes the meaning of communication because visibility is no longer determined only by what people publish or whom they follow. Platform architecture decides which messages receive attention. The research will therefore treat social media not as a neutral channel but as a set of socio-technical systems in which users, organizations, algorithms, advertisers, regulators, and infrastructure providers influence outcomes (van Dijck et al., 2018; Zuboff, 2019).

Problem Statement

Organizations rely on social media for customer service, recruitment, advocacy, crisis communication, fundraising, and reputation management, yet the same systems expose them to misinformation,

harassment, data breaches, impersonation, and rapid public escalation. Users gain connection and creative opportunity but may experience surveillance, compulsive use, discrimination, or loss of control over context. Existing discussions often separate benefits from harms or study one platform without examining the wider process of digitization. The research problem is to explain how data-driven design changes the quality, reach, power, and accountability of social interaction. Particular attention will be given to the difference between organizational adoption of digital tools and responsible integration that protects users, employees, clients, and communities (van Dijck et al., 2018; Zuboff, 2019).

Research Question

The primary research question is: How does digitization reshape communication, participation, and organizational responsibility on social media? Four supporting questions will guide the analysis. First, how do recommender systems and engagement metrics influence which content becomes visible? Second, how does data collection affect privacy, personalization, and trust? Third, how do digital tools improve access, coordination, customer service, or social-work practice? Fourth, what governance measures reduce harms involving misinformation, harassment, addictive design, and unequal access? These questions move beyond asking whether digitization has an "impact," which is too broad to investigate. They identify specific mechanisms and outcomes that can be compared across users, organizations, and platforms.

Rationale

The topic is important because social media increasingly mediates access to information and institutions. In the United States, Pew Research Center reported in 2025 that YouTube and Facebook remained the most widely used platforms among adults, while Instagram, TikTok, WhatsApp, and Reddit had grown since 2021. Use patterns differ by age and demographic group, meaning that an organization's digital strategy can include some publics while excluding others. Digitization also affects people who do not actively post because platforms collect behavioral data, determine search visibility, and shape news circulation. Studying these processes helps organizations avoid treating social media as a free promotional tool and instead recognize the operational, ethical, and regulatory obligations created by digital participation (Pew Research Center, 2025a; van Dijck et al., 2018).

Conceptual Framework

The study will combine affordance theory, platform governance, and surveillance-capitalism scholarship. Affordances are the possibilities and constraints that technology offers users, such as persistence, searchability, visibility, anonymity, and rapid sharing. Platform governance examines how private companies create rules, moderation systems, and recommendation mechanisms that

function like institutional authority. Surveillance-capitalism analysis focuses on the extraction of behavioral data for prediction and commercial influence. No single framework is sufficient. Affordance theory can describe user action without explaining business incentives, while political-economy approaches may understate creativity and community formation. Combining them will allow the research to connect technical design, organizational strategy, user behavior, and power (boyd, 2014; van Dijck et al., 2018; Zuboff, 2019).

Algorithms and Visibility

Digitization enables platforms to rank enormous quantities of content. Recommendation systems can help users discover relevant communities, products, or information, but they also determine whose speech becomes visible and which behavior receives reward. Engagement metrics may favor emotionally intense, novel, or divisive material because such content attracts reactions. Researchers and users often lack sufficient access to understand these systems fully. The European Union's Digital Services Act requires greater transparency concerning recommender parameters, content moderation, advertising, and systemic risk for large platforms. The study will analyze how algorithmic selection changes organizational communication from message production into continuous competition for ranked attention. It will also examine whether non-profiled or chronological options improve meaningful user choice (European Commission, 2026; van Dijck et al., 2018).

Data, Privacy, and Personalization

Social media personalization depends on data about identity, location, device, relationships, clicks, viewing time, and inferred interests. Organizations benefit from targeted communication and audience measurement, but extensive data collection can undermine privacy and produce discriminatory or manipulative outcomes. Consent is often weak when policies are long, settings are difficult to understand, or service access depends on acceptance. Data may also be reused beyond the context in which users supplied it. The research will compare personalization benefits with principles of data minimization, purpose limitation, security, and user control. It will distinguish content a person intentionally publishes from behavioral signals collected automatically. Trust will be treated as an outcome of governance and design rather than a public-relations slogan (Zuboff, 2019).

Organizational Communication

Digitization allows organizations to communicate rapidly, respond publicly, and gather feedback at scale. Customer complaints can reveal product failures, employees can coordinate across distance, and community organizations can mobilize resources without traditional media access. These advantages require staffing, verification, escalation rules, and records management. An account that posts promotional content but cannot respond to urgent concerns creates visibility without

accountability. Employees may also blur professional and personal boundaries, especially when organizational policy is unclear. The study will examine how organizations assign ownership for social media, approve messages, monitor risk, protect credentials, and learn from interaction. Success will be measured through response quality, inclusion, trust, and goal achievement rather than likes alone (van Dijck et al., 2018).

Digitization in Social Work Practice

The original references concern social work, so the proposal will retain that professional dimension rather than use the term accidentally. Social workers may use digital tools for outreach, education, telepractice, advocacy, crisis information, and connection with hard-to-reach populations. These uses create concerns involving confidentiality, informed consent, professional boundaries, digital exclusion, recordkeeping, and emergency response. A public comment cannot be treated like a private clinical conversation, and a practitioner may be unable to confirm identity or location during risk. The research will examine professional guidance and case studies to identify when social media extends access and when it exposes clients to surveillance or stigma. Digital competence should include ethical judgment, not only technical confidence (Bullock & Colvin, 2015; Wolf & Goldkind, 2016).

Well-Being and Addictive Design

Social media can strengthen friendship and belonging while also disrupting sleep, concentration, self-image, and productivity. Pew's 2025 survey found that many U.S. teenagers valued connection but growing shares believed social media harmed people their age, and forty-five percent said they spent too much time on it. These findings do not prove that platforms cause every mental-health problem, because effects vary and vulnerable people may use media differently. Design features such as infinite scroll, autoplay, notifications, and personalized recommendations nevertheless influence duration and habit. The research will analyze well-being through user experience and platform design, avoiding both moral panic and the assumption that individual self-control alone can solve structurally encouraged overuse (Pew Research Center, 2025b; boyd, 2014).

Misinformation, Moderation, and Expression

Digitization lowers the cost of publishing and copying information, allowing eyewitness evidence, education, and marginalized voices to circulate. It also enables impersonation, manipulated media, coordinated harassment, and rapid misinformation. Content moderation combines human review, automated detection, user reporting, and policy enforcement, each with error and bias. Removing harmful material can protect users but may suppress lawful speech or cultural context. Leaving everything online can expose people to abuse and organized deception. The study will compare transparency reports, platform rules, and documented cases to examine how moderation decisions

are made and appealed. The objective is not to design one universal speech code but to identify accountable processes, clear reasons, and proportional responses (European Commission, 2026; van Dijck et al., 2018).

Digital Inequality

Digitization can expand participation only when people have devices, connectivity, literacy, accessible design, language support, and confidence. An organization that moves services entirely to social media may exclude older adults, people with disabilities, low-income users, rural communities, or people avoiding platforms for privacy or safety. Algorithms may also reproduce inequality when training data reflect historical bias or when advertising systems allow discriminatory targeting. The research will examine access beyond the binary of online and offline. Quality, cost, autonomy, and ability to appeal decisions matter. Responsible digital strategy should preserve alternative channels and test whether people can complete essential tasks without surrendering unnecessary personal data or navigating inaccessible interfaces (van Dijck et al., 2018; Zuboff, 2019).

Methodology

The study will use a mixed-method design. A structured literature review will synthesize research on platform design, digital communication, social work, privacy, and well-being. Policy analysis will examine the European Union's Digital Services Act, regulator reports, and professional ethical standards. Semi-structured interviews with communication managers, social workers, and frequent users will explore practical experience. A small comparative content analysis will examine how selected organizations respond to public questions and crises across two or three platforms. Quantitative platform metrics will be used cautiously because engagement does not equal impact. Triangulation will compare claims from scholarship, policy, organizational practice, and user testimony to reduce dependence on one data source.

Sampling and Data Collection

Purposive sampling will recruit participants with direct knowledge of digital communication rather than attempt national representativeness. The proposed sample includes ten organizational communication professionals, ten social-work practitioners, and approximately twenty adult users with varied ages and accessibility needs. Interviews will ask about benefits, harms, decision processes, privacy, moderation, and examples of successful or failed communication. Public organizational posts may be collected during a defined three-month period, excluding private groups and deleted personal material. The study will record platform, message purpose, response time, interaction type, and whether the organization provides clear resolution or referral. Demographic information will be limited to variables needed for analyzing access and experience.

Ethical Considerations

Participants will provide informed consent and may withdraw before analysis is finalized. Interview data will be de-identified, stored securely, and reported without details that expose clients, employers, or sensitive cases. Social-media content may be publicly accessible yet still experienced as personal; therefore, ordinary users will not be quoted by username without explicit consent. Researchers will avoid collecting private messages and will minimize storage of unnecessary data. Professional participants will be reminded not to disclose identifiable client information. The study will also document the researcher's own platform use and assumptions. Institutional review requirements will be followed because digital research can create harm through aggregation even when each individual data point appears public.

Expected Contribution

The expected outcome is a framework distinguishing simple adoption from responsible digital integration. Digitization is likely to increase speed, reach, measurement, and personalization while also increasing dependence on platform rules, data extraction, algorithmic visibility, and continuous risk management. The study will produce recommendations for governance, including clear account ownership, privacy review, accessible alternatives, crisis escalation, employee training, moderation appeals, and well-being safeguards. It will not assume that every organization should maximize activity on every platform. The contribution will be a decision model that asks whether a digital practice advances a defined purpose, benefits intended users, protects vulnerable people, and remains accountable when automated systems or public interaction produce unexpected consequences (van Dijck et al., 2018; Zuboff, 2019).

Conclusion

Digitization has changed social media from an optional communication channel into a data-driven environment that shapes organizational action and social relationships. Its benefits include connection, discovery, outreach, and rapid feedback, while its risks include surveillance, manipulation, misinformation, exclusion, and design that captures attention. A useful research project must examine these outcomes through specific mechanisms rather than celebrate or condemn technology in general. The proposed mixed-method study will connect platform architecture with the experience of organizations, social workers, and users. Its central principle is that digital success should not be measured only by reach. Responsible communication requires purpose, evidence, privacy, accessibility, professional boundaries, transparent governance, and meaningful alternatives when social media is unsuitable (Bullock & Colvin, 2015; van Dijck et al., 2018; Wolf & Goldkind, 2016; Zuboff, 2019).

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