


**ADVANCE SOCIAL SCIENCE ARCHIVE JOURNAL**

 Available Online: <https://assajournal.com>

Vol. 05 No. 01. Jan-March 2026. Page# 2141-2151

 Print ISSN: [3006-2497](#) Online ISSN: [3006-2500](#)

Platform &amp; Workflow by: Open Journal Systems


**Critical Analysis of Linguistic Patterns in Psychoanalytic Contexts: Paul Morel's Subconscious Expressions in Sons and Lovers**
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**Abstract**

*This article undertakes a close stylistic and psychoanalytic examination of D.H. Lawrence's Sons and Lovers, focusing on the linguistic patterns that externalise Paul Morel's subconscious conflicts. Drawing primarily on Freudian concepts of the Oedipus complex, repression, dream-work (condensation and displacement), and Lacanian notions of the unconscious structured like a language, the study analyses how Lawrence deploys recurring motifs (flowers, binding imagery, darkness/light), syntactic contrasts (expansive maternal sentences versus fragmented romantic discourse), dialectal othering of the father, metaphoric-metonymic chains in romantic relationships, and dream-distorted prose in illness sequences to enact rather than merely describe Paul's psychic entrapment. The analysis reveals these devices as deliberate techniques that make the inaccessibility of the unconscious readable at the level of discourse, mirroring psychoanalytic processes through free indirect discourse, sensory repetition, and symbolic density. By integrating literary stylistics with psychoanalytic theory, the article demonstrates that Lawrence's innovative prose performs the mechanisms of repression and return, distinguishing the novel from other modernist experiments in psychological language. The findings illuminate Lawrence's critique of industrial society as a repressive force that fractures human instincts and relational possibilities, while underscoring the enduring power of linguistic form to reveal the divided modern subject. This dual approach bridges longstanding Freudian interpretations with fresh attention to textual surface, offering a more rigorous account of how Sons and Lovers achieves its status as a cornerstone of psychoanalytic literary criticism.*

**Keywords:** D.H. Lawrence, Sons and Lovers, Psychoanalytic Criticism, Linguistic Patterns, Oedipus Complex, Modernist Style.

**Introduction**

The global rise of e-governance has redefined public administration by harnessing digital technologies to deliver transformative governance outcomes. Advanced information systems now enable governments to automate complex processes, yielding measurable gains in operational efficiency while dismantling opaque decision-making structures that once shielded discretionary abuses (Seiam, 2024). Beyond efficiency, these platforms cultivate transparency through open data portals and real-time transaction tracking, empowering citizens to scrutinize government actions and hold officials accountable. Empirical cross-national evidence further demonstrates that elevated e-governance indices directly correlate with reduced corruption levels, as automated workflows eliminate intermediary rent-seeking opportunities and foster predictable, rule-bound interactions (Dang, 2025). Analytically, the promise extends to deepened citizen participation: interactive digital interfaces transform passive recipients into active co-creators of policy, bridging the democratic deficit in both mature and emerging

democracies (Lubis, 2024). This paradigm shift is not merely technological but fundamentally institutional, positioning e-governance as a cornerstone of sustainable development by aligning public service delivery with principles of inclusivity and integrity.

In the Pakistani context, e-governance has evolved through deliberate policy architecture and flagship institutional initiatives aimed at leapfrogging traditional bureaucratic models. The Digital Pakistan Policy framework, reinforced by the National Database and Registration Authority's biometric ecosystem and nationwide land record digitization drives, alongside federal and provincial citizen portals, has progressively digitized core services ranging from identity verification to grievance redressal (United Nations Department of Economic and Social Affairs, 2024). These efforts culminated in a striking 14-position ascent to 136th globally in the 2024 UN E-Government Development Index, securing Pakistan's inaugural entry into the high EGDI category and reflecting accelerated online service maturity and human capital integration (Atique, 2024). Provincial portals and NADRA-linked platforms have demonstrably expanded access in urban centers, while post-2020 digital acceleration spurred by pandemic imperatives integrated additional layers such as the Pakistan Citizen Portal for real-time complaint tracking. Yet this trajectory reveals a deliberate, if uneven, transition from pilot projects to systemic digital infrastructure, underscoring Pakistan's ambition to harness technology for equitable governance amid demographic and developmental pressures.

Notwithstanding these policy commitments and measurable index gains, persistent implementation gaps continue to erode the substantive impact of e-governance reforms in Pakistan. Many digitized initiatives remain superficial, plagued by incomplete backend integration, provincial disparities in rollout, and chronic underutilization that leaves citizens navigating parallel paper-based systems (Nazuk, 2025). Analytical dissection exposes how ambitious portals and identity platforms falter at the execution layer, where infrastructural deficits, fragmented data architectures, and inadequate change management produce hybrid inefficiencies rather than seamless transformation. The result is a widening credibility gap: citizens experience incremental convenience in isolated services yet confront systemic delays and uneven provincial performance that undermine the very transparency and efficiency narrative driving reform (Zaidi & Bukhari, 2025). These gaps are not incidental but structural, revealing a gap between visionary policy pronouncements and the administrative machinery required for sustained digital embedding.

At the heart of these enduring implementation shortfalls lies institutional resistance encompassing bureaucratic inertia, organizational silos, and deep-seated cultural attachment to hierarchical, paper-driven processes which constitutes a critical yet under-explored determinant in contemporary Pakistan. Entrenched civil service norms perceive digital disruption as an existential threat to discretionary power and traditional authority, prompting passive sabotage through non-adoption, duplication of manual workflows, and resistance to capacity-building mandates (Lubis, 2024). This resistance is analytically potent because it interacts multiplicatively with other barriers, amplifying inefficiencies and perpetuating a cycle of reform fatigue. The present study holds profound significance for unpacking these dynamics through an institutional lens, offering evidence-based pathways to overcome entrenched opposition and realize e-governance's full potential. It proceeds by reviewing extant literature on global and local models, articulating the sharpened problem statement, delineating clear research objectives, detailing the qualitative methodology, and advancing through three analytical sections: an overview of contemporary reforms, a focused examination of institutional resistance mechanisms, and an interrogation of their interplay with broader implementation challenges, before synthesizing conclusions and targeted recommendations for sustainable digital governance in Pakistan.

## Literature Review

Global theories and models of e-governance implementation provide a sophisticated analytical scaffold for understanding technology-driven public sector transformation. The Technology Acceptance Model (TAM) and its evolution into the Unified Theory of Acceptance and Use of Technology (UTAUT) remain foundational, explaining user adoption through constructs such as perceived usefulness, ease of use, performance expectancy, and facilitating conditions (Asmawanti-S et al., 2025). Mphahlele et al. (2025) advance this discourse by integrating UTAUT with the Information Systems Success Model (ISSM), demonstrating in an emerging-market higher-education context that user community satisfaction, involvement, and performance indicators are indispensable for sustained e-government utilisation. Institutional theory complements these behavioural models by foregrounding structural and normative pressures that shape organisational responses to digital change, while digital government maturity models (DGMMs) offer stage-based or dimension-based roadmaps for assessing readiness (Waara, 2025). Karnsomdee (2026) further enriches the framework by embedding institutional determinants managerial support, incentives, trust, and ICT strategy within TAM–UTAUT hybrids, revealing that adoption in hierarchical public bureaucracies is not merely individual but profoundly conditioned by organisational authority and governance mechanisms. Collectively, these models underscore that effective implementation demands simultaneous attention to technological, behavioural, and institutional change management, moving beyond supply-side digitisation toward citizen-centric, value-creating governance.

In developing countries, e-governance initiatives routinely confront systemic barriers that undermine promised efficiencies. Infrastructure deficits, unreliable connectivity, high costs of devices and data, and pervasive digital divides between urban and rural populations consistently erode access and equity (Asmawanti-S et al., 2025). Capacity gaps manifest in low digital literacy, inadequate training, and limited human capital compound these challenges, producing fragmented implementation and low utilisation rates. Within Pakistan, the evolution of e-governance has progressed from early NADRA biometric systems and provincial land digitisation pilots to contemporary federal and higher-education portals, reflecting deliberate policy ambition amid demographic pressures. Yet empirical assessments reveal persistent implementation shortfalls: internet-based infrastructural weaknesses, acute financial constraints, technological and human-resource limitations, and developmental gaps that hinder seamless service integration (Sajid et al., 2024). Cybersecurity vulnerabilities and uneven provincial rollout further exacerbate disparities, transforming ambitious digital platforms into hybrid paper-electronic systems that fail to deliver transparency or citizen participation at scale. These Pakistan-specific challenges mirror broader developing-country patterns but are intensified by fiscal volatility and uneven institutional preparedness.

At the core of these enduring gaps lies institutional resistance bureaucratic inertia, fear of diminished discretionary power, cultural attachment to hierarchical paper-based processes, and absence of performance-linked incentives which Pakistani public administration has yet to confront systematically. Drawing on institutional theory, Karnsomdee (2026) illustrates how security concerns, organisational silos, and weak incentive structures in hierarchical settings actively impede smart-government adoption; analogous dynamics in Pakistan manifest as passive non-compliance, duplication of manual workflows, and resistance to capacity-building mandates. This resistance is not merely attitudinal but structurally embedded in civil-service norms that perceive digital disruption as an existential threat to traditional authority. Existing literature, while rich in describing infrastructural and capacity barriers (Waara, 2025; Asmawanti-S et al., 2025), reveals critical gaps: scant empirical attention to the mechanisms through which

resistance interacts with recent reforms, limited longitudinal analysis of post-2024 Digital Pakistan initiatives, and insufficient integration of change-management strategies tailored to Pakistan's unique bureaucratic culture. Bridging these lacunae is essential for moving from descriptive accounts of failure toward prescriptive pathways that dismantle entrenched opposition and unlock genuine e-governance transformation.

### **Problem Statement**

With the notable advancements in Pakistan's e-governance landscape such as the Digital Pakistan Policy, NADRA's biometric systems, provincial land record digitization, and citizen portals the implementation of reforms remains severely hampered by deep-rooted institutional resistance within bureaucratic structures. This resistance, characterized by entrenched inertia, hierarchical culture, and fear of losing discretionary power and traditional authority, manifests as passive non-adoption, duplication of manual processes, and reluctance to embrace capacity-building or digital workflows. Such bureaucratic opposition interacts multiplicatively with persistent systemic barriers, including infrastructural deficits (poor connectivity and cybersecurity vulnerabilities), low digital literacy among officials and citizens, financial constraints, policy discontinuities amid political instability, and uneven provincial adoption. Consequently, ambitious initiatives often yield superficial outcomes rather than transformative efficiency, transparency, or citizen participation, perpetuating inefficiencies, corruption opportunities, and public distrust. In contemporary Pakistan, where digital transformation is essential for socio-economic progress and inclusive governance, the dominance of institutional resistance as a core, under-addressed impediment exacerbates these gaps, undermining the potential of e-governance to deliver equitable, accountable public services and demanding urgent strategies to dismantle entrenched opposition for sustainable reform.

### **Research Objectives**

1. To examine the nature, sources, and manifestations of institutional resistance within Pakistani public institutions and bureaucratic structures.
2. To identify and critically analyze the interconnected implementation challenges, including technological, human resource, financial, and policy-related barriers that hinder e-governance reforms.
3. To explore and explain the ways in which institutional resistance interacts with and amplifies broader systemic barriers to e-governance adoption and sustainability.
4. To propose evidence-based, contextually relevant recommendations and strategies for overcoming institutional resistance and enhancing the overall success and sustainability of e-governance reforms in Pakistan.

### **Research Questions**

1. What are the primary nature, sources, and key manifestations of institutional resistance encountered during the implementation of e-governance reforms in Pakistani public institutions?
2. What are the major technological, human, financial, and policy-related challenges that currently impede the effective rollout and utilization of e-governance initiatives in contemporary Pakistan?
3. In what specific ways does institutional resistance interact with, reinforce, or exacerbate other systemic barriers (technological, human, financial, and policy-related) to undermine e-governance reform outcomes?
4. What practical, institutionally feasible strategies and policy interventions can be recommended to effectively mitigate institutional resistance and improve the

implementation success and long-term sustainability of e-governance reforms in Pakistan?

### **Research Methodology**

This study adopts a mixed-methods exploratory and descriptive research design to comprehensively assess the implementation challenges of e-governance reforms in contemporary Pakistan, with particular emphasis on institutional resistance. The approach integrates qualitative depth for nuanced understanding of resistance mechanisms and quantitative elements for broader pattern identification, aligning with prevalent methodologies in recent Pakistani e-governance scholarship that combine interviews with surveys for stakeholder insights. Primary data are collected through semi-structured interviews with purposively sampled key informants approximately 15-20 senior government officials from federal and provincial ministries, IT experts from implementing agencies such as NITB and NADRA, and academics specializing in public administration and digital governance supplemented by targeted online surveys of mid-level bureaucrats and reform stakeholders to capture perceptual data on barriers and interactions. Secondary data sources include official policy documents (e.g., Digital Pakistan Policy updates), government portals, UN E-Government Survey reports, academic publications, and implementation evaluation reports from 2020 onward. Data analysis employs thematic analysis for qualitative components coding transcripts and documents through an institutional theory lens to identify resistance patterns, sources, and interplay with systemic barriers while descriptive statistics and cross-tabulations process survey responses for triangulation and validation. Ethical considerations include informed consent, anonymity, and sensitivity to bureaucratic hierarchies. Limitations encompass the study's focus on the contemporary post-2020 period, potential access constraints to highly sensitive internal bureaucratic insights due to institutional caution, and reliance on purposive sampling that may limit generalizability, though mitigated by diverse informant selection and rigorous triangulation.

### **Overview of E-Governance Reforms**

Pakistan's e-governance landscape has undergone accelerated transformation since 2020, anchored in the Digital Pakistan Policy framework that integrates federal digital infrastructure with provincial service delivery systems. Post-pandemic imperatives catalysed nationwide adoption of online platforms, including the Pakistan Citizen Portal for real-time grievance redressal and expanded Federal Board of Revenue digitisation for tax compliance. These initiatives, coupled with 5G rollout and international data connectivity enhancements, have extended digital reach into previously underserved regions while narrowing the mobile internet gender gap between 2022 and 2023. Analytically, the policy architecture emphasises human-centric design, embedding trust-building mechanisms and inclusive economic reforms through programmes such as URAAN Pakistan. Provincial counterparts have mirrored this momentum, with Punjab and Khyber Pakhtunkhwa demonstrating superior policy coherence and institutional integration compared with Sindh and Balochistan, where fragmentation persists. This comparative dynamism underscores a deliberate shift from pilot experimentation toward systemic interoperability, positioning e-governance as a strategic lever for transparency and citizen engagement amid demographic pressures.

Provincial efforts have produced tangible gains, most notably in Punjab's landmark land record digitisation under the Computerization of Land Records Management and Information System. Since the staggered rollout began in 2005 and intensified post-2020, over 23,000 mauzas have been fully digitised, enabling instant access to ownership records, mutation processing, and dispute resolution through 59 Qanungoi Arazi Record Centers and mobile units. Empirical evidence reveals strengthened land tenure security, reduced litigation, and positive spillovers

into agricultural productivity and state revenue collection, although unintended bureaucratic reorganization has occasionally disrupted local tax enforcement capacities. These advancements exemplify how targeted provincial digitalization complements federal ambitions, delivering measurable improvements in service access and administrative efficiency. Yet the uneven provincial landscape strong alignment in Punjab and KP versus infrastructural deficits elsewhere highlights the critical role of localized capacity in sustaining reform momentum across Pakistan's federated governance structure.

Federal portals and core identity systems have further elevated Pakistan's global standing, culminating in a remarkable 14-position ascent to 136th in the UN E-Government Development Index 2024, marking the country's entry into the high EGDI category for the first time. NADRA's biometric ecosystem, reinforced by recent regulatory upgrades including QR-based verification and digital CNIC equivalence via the Pak-ID application, has achieved near-universal adult coverage and streamlined services ranging from identity verification to grievance tracking. The Pakistan Citizen Portal, alongside e-office platforms, has demonstrably enhanced citizen participation and operational efficiency in urban centres, while Supreme Court recognition of digital evidence and State Bank inclusion programmes have institutionalised technology within judicial and financial domains. These achievements reflect substantial public investment in digital infrastructure and human capital, translating into higher online service maturity and e-participation indices that signal genuine progress toward citizen-centric governance.

Notwithstanding these policy successes and index gains, contemporary e-governance reforms in Pakistan confront persistent implementation hurdles that erode their transformative potential despite sustained financial and political commitments. Bureaucratic stagnation, weak technical facilities, and fragmented inter-agency coordination continue to produce hybrid paper-digital workflows, limiting scalability and deepening provincial disparities. Empirical surveys of citizens and policymakers alike reveal a widening expectation-reality gap, where institutional inertia and capacity shortfalls undermine interoperability and cybersecurity resilience. Analytically, this paradox impressive macro-level progress juxtaposed against micro-level execution failures sets the stage for deeper scrutiny of institutional resistance as the primary amplifier of systemic barriers. Overcoming these entrenched obstacles demands not merely technological upgrades but holistic change management strategies that align federal vision with provincial realities and bureaucratic culture, thereby converting digital investments into sustainable governance outcomes.

### **Institutional Resistance as a Core Barrier**

Institutional resistance in the public sector context denotes the deeply embedded bureaucratic inertia, fear of diminished discretionary power, perceived threats to traditional authority, and cultural attachment to paper-based workflows that systematically obstruct digital reform. In Pakistan's hierarchical civil service, this resistance stems from structural sources including the absence of performance-linked incentives, inadequate training programmes, widespread low digital literacy among mid- and senior-level officials, and organized employee pushback through unions wary of job rationalization (Khan, O., 2025). Officials long accustomed to opaque, discretionary decision-making interpret e-governance platforms as existential threats to their influence, prompting passive non-compliance and cultural entrenchment that privileges personal patronage networks over transparent, rule-bound processes. Analytically, this phenomenon operates as a self-reinforcing mechanism: hierarchical authority structures amplify individual fears, while the lack of targeted capacity-building perpetuates a collective mindset that views digital tools not as enablers but as instruments of control erosion (Pakistan Institute of Development Economics, 2025). Such dynamics render institutional resistance not merely

attitudinal but a structural feature of Pakistani public administration, demanding targeted deconstruction before any technological overlay can succeed.

Compelling evidence of this resistance emerges in high-profile case studies, most vividly in provincial land record digitization initiatives. In Khyber Pakhtunkhwa, the long-running Computerization of Land Records project has repeatedly confronted explicit institutional pushback, bureaucratic inefficiencies, frequent staff transfers that erode ownership, and political obstacles identical to those documented in Punjab, where patwaris and record holders actively resisted automation to safeguard discretionary control over mutations and verifications (Khan, A. et al., 2024). Intra-departmental silos compound the problem: federal and provincial agencies routinely maintain parallel paper-electronic systems, with duplication of workflows arising from fragmented authority and the absence of unified governance standards (Siddiqui et al., 2025). These examples illustrate resistance operating at both operational and cultural levels staff sabotage through delayed data entry, selective non-adoption of digital verification tools, and deliberate under-resourcing of service delivery centers transforming ambitious reforms into hybrid inefficiencies that preserve the very opacity reforms sought to eliminate.

Ultimately, institutional resistance perpetuates chronic inefficiency and fundamentally undermines e-governance reform goals by sustaining information asymmetries, rent-seeking opportunities, and eroded public trust. Hybrid manual-digital processes nullify promised efficiency gains, inflate administrative costs, and delay citizen-centric services, while the fear-driven avoidance of transparency directly sabotages anti-corruption and accountability objectives (Siddiqui et al., 2025). Without deliberate change-management interventions such as incentive redesign, mandatory digital literacy mandates, and leadership-driven cultural shifts these entrenched barriers will continue to stall Pakistan's digital transformation, converting substantial investments into superficial facades rather than transformative governance outcomes (Khan, O., 2025). Addressing this core impediment is therefore not optional but prerequisite for unlocking the transparency, participation, and efficiency dividends that e-governance promises.

### **Implementation Challenges and Their Relationship with Resistance**

Beyond institutional resistance, Pakistan's e-governance reforms confront a constellation of interconnected challenges that can be systematically categorised into infrastructural/technological, human/capacity, financial/political, and socio-cultural domains. Infrastructural and technological barriers remain acute: unreliable broadband connectivity, frequent power outages, and limited 5G penetration in rural and peri-urban areas create persistent access inequities that render digital platforms operationally fragile (Nazuk, 2025). Cybersecurity risks have escalated dramatically, with government portals and e-governance ecosystems subjected to targeted spear-phishing, spyware implants, and ransomware campaigns orchestrated by both state and non-state actors seeking data exfiltration and disruption of public trust (Pakistan Telecommunication Authority, 2025). These technological vulnerabilities are analytically inseparable from human and capacity deficits. Widespread digital literacy gaps among citizens and civil servants, coupled with acute skill shortages and fragmented training initiatives, leave implementing agencies ill-equipped to manage complex systems or respond to evolving threats. The result is not isolated shortcomings but a systemic incapacity where infrastructure failures amplify human unpreparedness, producing hybrid inefficiencies that erode the very foundations of digital service delivery.

Financial and political constraints, alongside socio-cultural barriers, further compound these structural weaknesses and expose the fragility of reform momentum. Chronic underfunding manifest in shrinking budgetary allocations for ICT infrastructure and inconsistent donor-

dependent projects limits scalability, while policy discontinuities triggered by political transitions and electoral cycles disrupt continuity and institutional memory (Nazuk, 2025). Socio-cultural dimensions manifest as a pronounced digital divide that disproportionately excludes rural populations, women, and low-income groups, while pervasive citizen trust deficits rooted in fears of data breaches and surveillance deter adoption even when platforms are technically functional (Shahbaz, 2025). Analytically, these challenges operate as feedback loops: financial austerity constrains capacity-building investments, political volatility undermines long-term strategic coherence, and socio-cultural mistrust reinforces perceptions of digital tools as elite-driven rather than inclusive, collectively transforming potential enablers into sources of exclusion and disillusionment.

The true analytical potency of these challenges lies in their multiplicative interplay with institutional resistance, where each barrier actively reinforces and is reinforced by bureaucratic inertia. Inadequate infrastructure and training deficits, for instance, heighten officials' fear of operational failure and public scrutiny, prompting deliberate non-adoption, duplication of manual processes, and passive sabotage that further delays infrastructure upgrades and capacity programmes (Munir, 2026). Cybersecurity vulnerabilities similarly legitimize resistance by providing plausible deniability for slow digitization, while financial and political uncertainties erode incentives for officials to champion change, perpetuating hierarchical cultures that prioritize discretion over transparency. Socio-cultural trust gaps, in turn, validate bureaucratic reluctance by framing citizen resistance as external validation of internal caution. This interplay is not coincidental but structurally embedded: resistance slows investment in infrastructure and training, which in turn deepens the very insecurities that fuel further opposition, creating a self-perpetuating cycle that converts policy ambition into implementation paralysis.

Contemporary economic pressures and ongoing political transitions have intensified these dynamics, rendering the interplay more acute in 2025-2026. Persistent inflation, external debt servicing burdens, and fiscal consolidation measures have squeezed public investment in digital infrastructure precisely when post-pandemic digital acceleration demanded sustained funding (Nazuk, 2025). The passage of landmark legislation such as the Digital Nation Pakistan Act 2025 and establishment of new oversight bodies have generated fresh momentum yet exposed implementation gaps amid shifting political priorities and coalition uncertainties. These macro-level factors do not merely coexist with resistance and other challenges they catalyse them: economic austerity legitimises bureaucratic risk-aversion, while transitional politics fragments accountability mechanisms. The cumulative effect is a governance ecosystem where isolated reforms falter, underscoring that overcoming institutional resistance requires simultaneous, coordinated assaults on infrastructural deficits, capacity voids, financial volatility, and socio-cultural mistrust. Only through such integrated intervention can Pakistan convert its digital investments into genuine transformative outcomes rather than perpetual hybrid stagnation.

### **Conclusion**

This study has illuminated the persistent and multifaceted implementation challenges confronting e-governance reforms in contemporary Pakistan, with institutional resistance emerging as the dominant, deeply entrenched barrier that consistently undermines progress despite substantial policy ambition and measurable macro-level advancements. The Digital Pakistan framework, NADRA's expansive biometric infrastructure, provincial land record digitisation drives, and citizen-centric portals have collectively propelled Pakistan into the high EGDI category of the UN E-Government Survey, reflecting genuine strides in online service maturity, e-participation, and digital identity coverage. Yet these achievements remain largely superficial when viewed through the lens of actual service transformation and citizen impact.

Bureaucratic inertia, hierarchical cultural norms, fear of diminished discretionary power, and passive non-adoption have perpetuated hybrid paper-digital workflows, duplication of processes, and uneven provincial adoption. These resistance mechanisms do not operate in isolation; they interact multiplicatively with infrastructural deficits (unreliable connectivity and cybersecurity vulnerabilities), human capacity gaps (low digital literacy and training shortfalls), financial austerity, policy discontinuities amid political transitions, and socio-cultural mistrust that widens the digital divide. The result is a reform ecosystem trapped in cycles of expectation-reality gaps, persistent inefficiencies, lingering corruption opportunities, and eroded public confidence. Institutional resistance, by amplifying every other barrier and legitimising risk-averse behaviours, transforms potential enablers into sources of stagnation, ensuring that ambitious digital investments yield incremental convenience rather than systemic, equitable governance change.

Addressing this core impediment requires a holistic, multi-layered strategy that transcends technological upgrades and targets the structural and cultural roots of opposition. Strong, sustained political commitment at the highest levels must champion change management frameworks that redesign incentives, mandate comprehensive digital literacy and upskilling programmes across the civil service, and institutionalise performance-linked accountability mechanisms to reward adoption while penalising deliberate non-compliance. Phased implementation beginning with high-visibility, low-resistance pilots that demonstrate tangible benefits can build momentum and reduce fear-driven sabotage, while robust inter-agency coordination and unified data standards would dismantle silos and foster interoperability. Citizen engagement initiatives, transparent communication about data security, and inclusive design that bridges urban-rural and gender divides are equally critical to rebuilding trust and countering socio-cultural resistance. By embedding these elements within a long-term vision that survives electoral cycles and economic pressures, Pakistan can convert its digital infrastructure into a genuine driver of transparency, efficiency, accountability, and inclusive development. The path forward lies not in abandoning e-governance but in confronting institutional resistance head-on through deliberate, evidence-based interventions that align bureaucratic culture with the imperatives of modern, citizen-centric governance. Only then can the full transformative potential of digital reforms be realised, delivering sustainable public value and restoring faith in state institutions amid the complexities of contemporary Pakistan.

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