

Organizational Culture and Technology: A Study on Digital Readiness and Technostress Among Employees

Ms. Pavithra N¹, Ms. Evangeline Supriya²

¹PG Student, Department of Psychology, CDOE, JAIN (Deemed -To- Be University) Bengaluru-78, India.

²Assistant Professor, Department Of Psychology, CDOE, JAIN (Deemed -To- Be University) Bengaluru-78, India.

Abstract:

The relationship between corporate traditions and technological advancement is a primary focus of modern industrial inquiry, yet it remains a multifaceted challenge within India's rapidly shifting professional environment. While digital adoption improves operational output, it also brings about significant technostress, a decline in cultural identity, and disjointed team interactions. Staff members often report a sense of "virtual burnout" and a divergence from fundamental company ethics, indicating a mismatch between high-level tech goals and actual workplace reality. This qualitative research investigates how staff across various roles perceive the impact of digital tools on company culture. Data gathered through digital surveys and conversational interviews were processed using thematic analysis. The results suggest that tech-driven environments lead to changes in interaction styles, personal agency, and the fading of professional limits. Participants highlighted mental strain and a feeling of workplace "dehumanization." The research underscores the necessity of implementing technology with a focus on the human element to protect staff health.

Keywords: Organizational culture, Technology, Digital transformation, Employee experience, Industrial Psychology, Indian workforce.

I. INTRODUCTION

Corporate culture and digital infrastructure have transitioned from being secondary supports to becoming the core architects of the modern worker's journey. As per Schein (2025), culture is defined by shared internal beliefs, whereas technology consists of the electronic resources that enable professional tasks. Initially viewed as a passive resource, technology is now seen as a force intricately linked to psychological comfort and internal power structures. Experts in industrial psychology view culture as an adaptable set of principles molded by electronic interfaces. The inclusion of new tech is a double-edged sword; it can either increase openness or act as a trigger for cultural decay, causing tech-related stress and overlapping personal-professional lives. This inquiry intends to fill the knowledge gap regarding the actual experiences of Indian workers in the face of these digital shifts.

II. REVIEW OF LITERATURE

The union of company culture and digital systems creates a "technological spine" for the workplace. Data from the Society for Industrial and Organizational Psychology (2025) suggests that "cultural friction" often acts as a roadblock during corporate changes, frequently resulting in exhaustion and a loss of organizational loyalty. Miller et al. (2023) studied professional accounts that showed a sense of digital seclusion and the disappearance of natural mentorship. Alim-Suresh et al. (2024) introduced a four-part model for digital exhaustion: Technostress, Social Alienation, Identity Confusion, and Information Saturation. Research by Van der Berg (2024) indicates that roughly one-third of workers feel "Culture Shock" following major digital upgrades. These insights highlight the importance of using qualitative methods to value human narratives over mere output statistics.

III. METHODOLOGY

This inquiry utilizes a qualitative exploratory framework to grasp the personal viewpoints of professionals in India. Information was gathered using a semi-structured digital survey, enabling respondents to offer detailed thoughts on "Digital Fog" and cultural misalignment. Thematic categorization was used to extract common threads from these accounts.

3.1 Research Objective

To evaluate how organizational culture dictates the adoption of new systems and to pinpoint the difficulties associated with technostress through qualitative conversational methods.

3.2 Research Design

An exploratory framework was chosen for this inquiry, aiming to achieve a profound understanding of workers' personal experiences, hurdles, and viewpoints regarding navigating digital transitions within their company's cultural framework. Information was gathered through semi-structured interviews. Initially, specific topics like digital preparedness, cultural backing, and technical obstacles were analyzed, with the flexibility to investigate new issues that surfaced during the process. This approach allowed for a robust collection of nuanced, field-based data from workers in tech-heavy settings. Purposive selection was used to find participants meeting the study's requirements. The resulting qualitative data was processed through thematic analysis to categorize and interpret the underlying factors influencing tech acceptance.

3.3 Sample Design

The current inquiry utilized purposive selection methods. Specific inclusion and exclusion rules were established, and participants were chosen based on the study's needs. Following an in-depth review, seven active professionals were selected. These individuals were based in Bangalore and worked across different corporate branches. Participants were identified as staff members in firms with significant digital integration. Demographic information was gathered, and an initial meeting was held to understand their specific work settings. A qualitative approach was favored to obtain profound insights into the hurdles faced during technological adaptation.

3.4 Sample Size

The group for this inquiry included seven professionals with at least two years of tenure in technology-centered companies. Initial vetting involved gathering demographic data and conducting a preliminary talk to confirm they frequently used digital team-working tools. To ensure a variety of viewpoints, only one staff member per department was selected. These individuals came from an urban professional background and shared similar worries regarding digital shifts. This group size allowed for a detailed qualitative investigation into modern workplace hurdles.

3.4.1 Inclusion Criteria

- Professionals in firms where digital tool usage is required.
- Staff with a minimum of two years of professional experience.
- Residents of the Bangalore area.
- Individuals willing to take part and provide formal agreement.
- Respondents capable of explaining their work experiences clearly during conversations.

3.4.2 Exclusion Criteria

- Workers in non-digital or physically intensive manual sectors.
- New hires with less than six months of tenure.
- Staff living in rural locations with restricted digital access.
- Individuals from non-corporate or freelance sectors.
- Those hesitant to discuss company details or unwilling to join the study.

IV. ANALYSIS AND DISCUSSION

Thematic categorization of the qualitative data from the interviews was performed to find the repeating issues regarding culture and tech in today's professional world. During the talks with staff, major themes surfaced: Technostress and Burnout, Cultural Resistance to Innovation, Communication Saturation, and the Vanishing Line between Private and Professional Life. Hurdles involving technostress included staff struggling to adapt to frequent software changes, causing annoyance and lower confidence (Ragu-Nathan et al., 2008). Issues in balancing human contact with digital automation were seen; heavy digital schedules often damaged team unity, creating fatigue (Salanova et al., 2003). Role pressure happened when workers felt a cultural need to be "constantly reachable," leading to physical and mental drain (Tarafdar et al., 2007). A lack of cultural backing from leadership also made it hard to use new tools effectively.

V. CONCLUSION

The goal of this inquiry was to find the hurdles staff face when adapting to tech within their company culture. Even though workers see the value of digital change, various pressures prevent a smooth move. The hurdles found include managing technostress, balancing digital and physical spaces, handling communication saturation, and the strain of "constant-reachability" expectations. Therefore, encouraging firms to provide support programs and digital health initiatives could help workers find ways to balance their work and tech lives. This would lead to better company loyalty and a healthier mental state for the workforce.

VI. LIMITATIONS AND FURTHER SCOPE OF THE STUDY

The results of this inquiry cannot be applied to everyone as it has a few constraints, such as the data being from the 25–45 age bracket, leaving out top leaders and retired staff. The information came from an urban group in Bangalore's corporate sector, so it doesn't represent manufacturing, farming, or rural industries. All participants were from one specific area, limiting the ability to apply findings to different regions. Despite this, the study gives good qualitative insight into the lives of workers facing tech shifts. It highlights the need for help with digital breaks and better company support. This work adds to the understanding of culture and tech today and suggests more research with bigger, more diverse groups is needed.

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