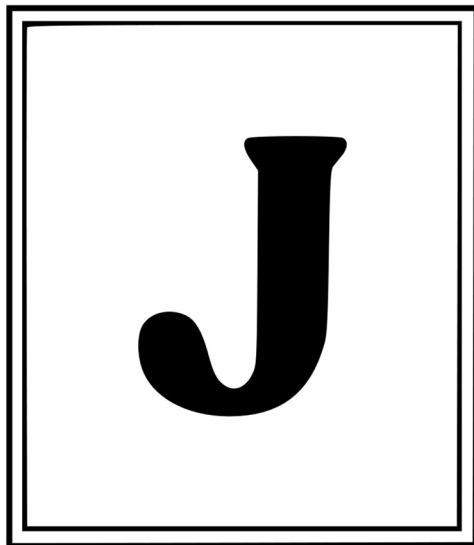




JOURNAL OF CONTEMPORARY WORLD STUDIES



VOLUME | 4 ISSUE | 8 | JANUARY | 2026



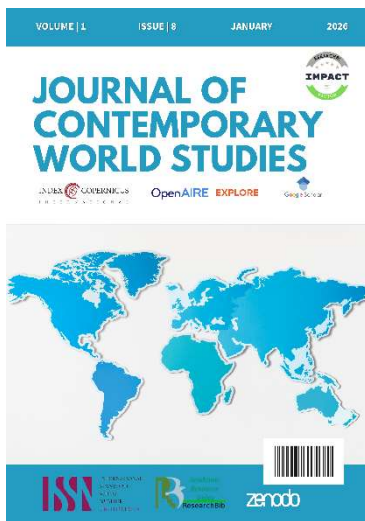
JCWS

PSYCHOLOGICAL DETERMINANTS OF DIGITAL ADDICTION: AN ANALYTICAL AND CONCEPTUAL STUDY

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Accepted Date:
January 05, 2026,
Published Date:
January 15, 2026

Journal Website: <https://d-pressa.com/index.php/jcws/>

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ANNOTATION:

Digital addiction has become a critical psychological and social issue in the contemporary digital era. The pervasive use of smartphones, social media platforms, and online environments has significantly altered patterns of behavior, emotional regulation, and social interaction. This study aims to examine the psychological determinants of digital addiction through a systematic conceptual and analytical approach. Drawing on contemporary psychological theories and empirical findings, the study identifies emotional distress, stress and anxiety, low self-esteem, impulsivity, and unmet social needs as key contributing factors. Analytical tables are used to synthesize existing evidence and highlight the psychological mechanisms underlying problematic digital use. The findings suggest that digital addiction should be conceptualized not merely as excessive technology use, but as a maladaptive coping strategy rooted in emotional regulation deficits. The study contributes to behavioral addiction theory and provides implications for psychological prevention and intervention.

KEYWORDS:

digital addiction; internet addiction; psychological factors; emotional regulation; behavioral addiction; self-control.

1. Introduction

The rapid expansion of digital technologies has profoundly transformed human life, reshaping communication, education, work, and leisure activities. Smartphones, social media platforms, online games, and digital applications have become integral components of everyday functioning. While these technologies offer substantial benefits, their excessive and uncontrolled use has led to the emergence of digital addiction as a growing psychological concern.

Digital addiction refers to a pattern of compulsive and excessive engagement with digital devices or online platforms that persists despite negative psychological, social, and functional consequences. Previous research has conceptualized digital addiction as a form of behavioral addiction, sharing core features with substance-related disorders, such as loss of control, tolerance, withdrawal symptoms, and functional impairment (Griffiths, 2005).

Recent global studies indicate a steady increase in problematic digital use, particularly among adolescents and young adults. Digital addiction has been associated with anxiety, depression, loneliness, sleep disturbances, reduced academic performance, and impaired social relationships. Despite the growing body of literature, much of the existing research focuses on technological exposure or usage patterns, while the psychological mechanisms that drive digital addiction remain insufficiently explored.

From a psychological perspective, digital environments often provide immediate rewards, emotional relief, social validation, and a sense of control. These features make digital platforms particularly appealing to individuals experiencing emotional distress, stress, or social insecurity. As a result, digital use may

function as a compensatory strategy for managing negative emotions and unmet psychological needs.

The present study addresses this gap by offering a comprehensive psychological analysis of digital addiction. Rather than treating digital addiction as a purely technological or behavioral issue, this study conceptualizes it as a psychologically driven phenomenon rooted in emotional regulation difficulties and maladaptive coping strategies.

The main research question guiding this study is: What psychological factors contribute to the development and maintenance of digital addiction?

The objective of this study is to identify key psychological determinants of digital addiction, analyze their interrelationships, and discuss their theoretical and practical implications.

2. Literature Review and Research Gap

Digital addiction has been widely discussed under various labels, including internet addiction, smartphone addiction, social media addiction, and problematic digital use. Early studies by Young (1998) framed internet addiction as a clinical condition characterized by compulsive online behavior. Griffiths (2005) later proposed a components model of addiction, emphasizing salience, mood modification, tolerance, withdrawal, conflict, and relapse.

Subsequent research has consistently linked digital addiction with psychological variables such as depression, anxiety, loneliness, low self-esteem, and impulsivity (Kuss & Lopez-Fernandez, 2016). Studies suggest that individuals with emotional vulnerabilities are more likely to develop problematic digital behaviors as a means of emotional escape or self-soothing.

However, most empirical studies examine these factors in isolation, resulting in fragmented explanations. There is a

notable lack of integrative psychological frameworks that explain how emotional, cognitive, and motivational factors interact to produce addictive digital behavior. Furthermore, digital addiction is often examined through a symptom-based lens, with limited attention to underlying psychological processes such as emotion regulation and self-control.

This study addresses this research gap by synthesizing existing evidence into a coherent psychological framework that explains digital addiction as a maladaptive coping mechanism driven by emotional and self-regulatory deficits.

3. Methodology

This study employs a conceptual and analytical research design. A systematic review of peer-reviewed journal articles indexed in Scopus, Web of Science, and PsycINFO databases was conducted. The selected literature focused on psychological

correlates of digital addiction, including emotional, cognitive, and personality-related factors.

The methodological approach involved:

- theoretical analysis of behavioral addiction models;
- categorization of psychological determinants based on empirical findings;
- comparative synthesis of psychological variables;
- use of analytical tables to structure and interpret results.

Although the study does not include primary empirical data, it provides a rigorous theoretical synthesis that lays the groundwork for future empirical research.

4. Results

The analysis identified several core psychological determinants consistently associated with digital addiction.

Table 1.

Psychological Determinants of Digital Addiction

Psychological Factor	Description	Impact Level
Emotional distress	Loneliness, depressive symptoms	High
Stress and anxiety	Escapism from real-life pressure	High
Low self-esteem	Seeking validation and approval	Moderate-High
Impulsivity	Weak self-regulation	High
Unmet social needs	Desire for belonging and connection	Moderate

Emotional distress and impulsivity emerged as the strongest predictors of digital addiction. Digital platforms provide immediate emotional relief, reinforcing compulsive usage patterns.

Table 2.

Psychological Consequences of Digital Addiction

Psychological Domain	Observed Outcomes
Emotional well-being	Anxiety, depression
Cognitive functioning	Reduced attention and concentration
Social behavior	Social withdrawal
Self-regulation	Compulsive and uncontrolled use

Prolonged digital addiction negatively affects emotional stability, cognitive performance, and social functioning, creating a self-reinforcing cycle of dependency.

5. Discussion

The findings support the conceptualization of digital addiction as a maladaptive emotion-regulation strategy. Individuals experiencing emotional distress or stress may rely on digital environments to regulate negative emotions, temporarily alleviating discomfort. However, repeated reliance on digital coping reduces adaptive emotion-regulation skills, reinforcing addictive behavior.

Unlike substance addictions, digital addiction is socially normalized and often encouraged, which complicates early identification and intervention. The findings align with self-regulation and behavioral addiction theories, emphasizing the role of impulsivity and emotional vulnerability.

This study extends existing literature by integrating psychological determinants into a unified explanatory framework, highlighting the central role of emotional regulation deficits.

6. Implications

Theoretical Implications

This study contributes to behavioral addiction theory by reframing digital addiction as a psychological regulation disorder rather than a purely behavioral or technological issue.

Practical Implications

Intervention strategies should focus on:

- strengthening emotional regulation skills;
- improving self-control and impulse management;
- promoting healthy digital habits;

- addressing underlying emotional distress through psychological counseling.

7. Limitations and Future Research

The study is limited by its conceptual nature and reliance on secondary data. Future research should incorporate longitudinal and experimental designs, cross-cultural comparisons, and psychophysiological measures to validate and extend the proposed framework.

8. Conclusion

Digital addiction is a complex psychological phenomenon rooted in emotional, cognitive, and motivational processes. Understanding its psychological determinants is essential for developing effective prevention and intervention strategies. Addressing digital addiction requires psychological solutions that go beyond technological regulation.

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