

PREFACE TO THE EDITION

The **International Journal of Information Technology Research Studies** presents its next issue, showcasing research that reflects the accelerating evolution of computing, cybersecurity, and intelligent systems. The contributions span some of the most critical technological frontiers shaping today's digital world from quantum computing and machine learning to cyber defence and organisational transformation.

This issue opens with a comprehensive analysis of AI-driven network security, offering new evidence that deep learning architectures significantly enhance real-time intrusion detection and threat mitigation. The discussion expands further into ransomware evolution, demonstrating how artificial intelligence has transformed both the sophistication of cyberattacks and the capabilities of defensive systems. These studies underline the urgency of adaptive, AI-enabled cyber defense frameworks in an era of escalating digital threats.

Another major theme in this issue is the future of intelligent computation. The beginner-focused study on quantum computing demystifies hardware architectures, current applications, and the technological challenges that lie ahead, while research on zero-shot learning highlights how machine learning models are gaining the ability to classify unseen objects with minimal data an advance with profound implications for dynamic and real-world environments.

Finally, the issue turns toward the organizational dimension of technology. The paper on digital transformation strategy examines why most transformation initiatives fail and provides evidence-based guidance on leadership, readiness, and human-centric change management an essential contribution for enterprises navigating digital disruption.

Together, these articles reaffirm IJITRS's mission: to advance rigorous research that drives innovation, strengthens digital resilience, and expands global understanding of emerging technologies. We extend our sincere appreciation to the authors, reviewers, and readers whose commitment supports this scholarly platform. We hope this issue inspires further inquiry and technological advancement in the expanding domain of information technology research.

Dr. Sr.Mini T V
Chief Editor

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