# PREFACE TO THE EDITION

It is with great pride that we present the second issue of the **International Journal of Information Technology Research Studies (IJITRS)**, a platform dedicated to advancing knowledge and innovation in the dynamic field of information technology. This issue brings together a collection of cutting-edge research articles that address some of the most pressing challenges and transformative opportunities in today's digital landscape.

The contributions span diverse yet interconnected domains, from enhancing the interpretability of deep learning models through explainable AI, to advancing sustainable networking with energy-efficient routing algorithms, and leveraging AI-driven strategies in edge computing for latency reduction. The issue also explores critical societal dimensions, including the detection of misinformation on social media and the protection of privacy in large-scale data mining through homomorphic encryption and differential privacy.

Together, these studies reflect the journal's commitment to fostering interdisciplinary research that not only advances technical innovation but also addresses the ethical, social, and environmental implications of technology. We extend our gratitude to the authors, reviewers, and editorial team whose efforts have made this milestone possible. We are confident that this issue will serve as a valuable resource for researchers, practitioners, and policymakers striving to harness information technology for a more transparent, sustainable, and secure future.

Dr. Mini T V
Chief editor

# CONTENTS