

Editorial

We bring the last issue of the sixteenth volume of the **Journal of Information Technology Review** with the below papers.

In the first paper, “**Optimizing the Students’ Exercise Behavior Analysis: A Clustering Model**,” the authors proposed an optimized Ant Colony Algorithm (ACA) model to cluster and mine the physical exercise behavior characteristics of college students. The algorithm developed by the authors is used to optimize to address common ACA issues like slow convergence and stagnation by improving pheromone updating and path selection. Experimental results on standard and custom datasets showed that the model achieves higher F-measure values, greater stability, and faster convergence compared to other algorithms.

In the following paper, “**Enhancing Cloud Accounting Security: A Rough Set-Based Parallel Algorithm for Efficient Data Integrity Verification**,” the authors proposed a rough set-based data mining algorithm to enhance data integrity verification within cloud-based accounting information systems. The authors introduced a novel parallel verification algorithm that can simultaneously check data for single or multiple users, significantly reducing communication time and computational overhead compared to single-point testing. The research aims to provide a more secure and efficient framework for financial data management in the era of accounting informationization.

In the last paper, “**Research on Intelligent Algorithm-based Swimming Athlete Pose Recognition and Correction Method**,” the authors developed a pose recognition technology based on depth images. This technology uses threshold algorithms for data preprocessing and Kalman filters to filter noise. The authors, during testing, have found that this new deep-level image skeleton tracking technology can effectively capture the dynamics of athletes and accurately detect their poses.

We hope that the research in this issue adds to the information technology literature.

Editors