

Research on queue management techniques

Diêm Thị Lương

Abstract: In the context of real-world demands for high performance and reliability in service systems, this topic focuses on researching and evaluating modern queue management techniques. The main objective is to build a customer classification and prioritization system based on mathematical models and machine learning to improve overall system performance. The research methodology includes both theoretical analysis and practical application implementation, aiming to provide optimal solutions for queue management issues. The expected outcomes of this study not only offer new scientific knowledge but also contribute to technological development in this field.

Keywords: queue management, applied mathematics, machine learning, service systems, optimal performance