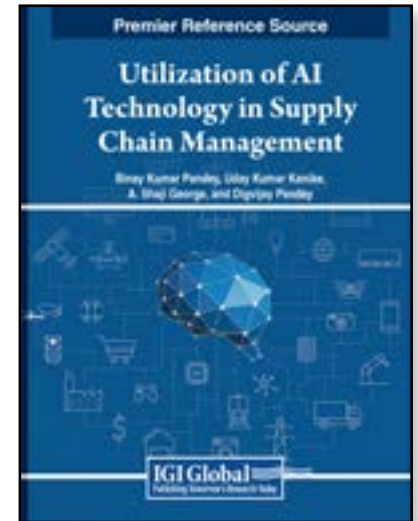


# Utilization of AI Technology in Supply Chain Management

Part of the Advances in Logistics, Operations, and Management Science Book Series

Binay Kumar Pandey (Govind Ballabh Pant University of Agriculture and Technology, India), Uday Kumar Kanike (SAP Technical Architect, USA), A Shaji George (Crown University International Chartered Inc., Saudi Arabia) and Digvijay Pandey (Department of Technical Education, Uttar Pradesh, India)



## Description:

The surge in digital transformation and the integration of innovative technologies into manufacturing processes have given rise to a pressing issue in supply chain management. Businesses are in dire need of solutions to navigate this complexity and harness the true potential of intelligent supply chains. **Utilization of AI Technology in Supply Chain Management** is a comprehensive guide tailored for academic scholars seeking to unravel the mysteries of artificial intelligence (AI) and machine learning (ML) in the context of supply chain management.

Amid the hype surrounding AI and ML, there exists a critical need to bridge the gap between human expertise and technological advancements. **Utilization of AI Technology in Supply Chain Management** addresses this necessity by delving into real-world instances where teams have successfully employed these innovative technologies to enhance supply chain performance, reduce inventory, and optimize routes. The adoption of AI and ML is not just a trend; it is the cornerstone of digital acceleration initiatives, making it imperative for scholars to understand and leverage these technologies effectively.

The topics within the book span the breadth of AI and ML applications in supply chain management, offering insights into automation's impact, supply chain network optimization, intelligent systems for industrial robots, and much more. Whether you are navigating the intricacies of computational biology or exploring the fuzzy Bayesian approach to Industry 6.0 supplier selection, this book provides a roadmap to unlock the full potential of AI and ML in solving the intricate problems faced by businesses in the supply chain domain. Join us in this intellectual journey as we present a compelling solution to the challenges of Industry 4.0, bridging the gap between theory and practical applications in the evolving landscape of supply chain management.

**ISBN:** 9798369335932

**Pages:** 380

**Copyright:** 2024

**Release Date:** March, 2024

**Hardcover:** \$395.00

**E-Book:** \$395.00

**Hardcover +  
E-Book:** \$475.00

## Topics Covered:

- Artificial Intelligence
- Automation
- Bargaining Model
- Computational Biology
- Fuzzy Bayesian Approach
- Industry 6.0
- Intelligent Systems
- Location-based Decision Support
- Logistical Applications
- Multiagent Systems
- Oligopolistic Markets
- Operations Management
- Particle Swarm Intelligence (PSO)
- Supply Chain Improvement
- Swarm Intelligence

**Subject:** Business and Management

**Classification:** Edited Reference

**Readership Level:** Advanced-Academic Level  
(Research Recommended)

**Research Suitable for:** Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

### Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: [www.igi-global.com](http://www.igi-global.com)

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA