

Advancements in Intelligent Process Automation

Part of the Advances in Computational Intelligence and Robotics Book Series

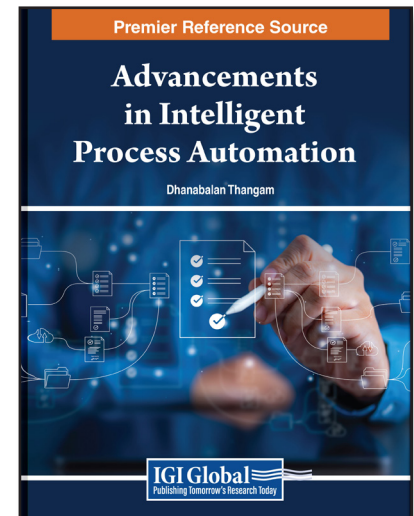
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Description:

In the current fast-paced business environment, organizations face the challenge of improving operational efficiency and driving innovation while dealing with complex technological landscapes. Many organizations require assistance exploiting intelligent process automation's full potential (IPA). This is often due to a need for more comprehensive understanding or clear implementation strategies. As a result, they need to help their workflows, optimize resources, and adapt effectively to changing market demands.

Advancements in Intelligent Process Automation bridges this gap by providing a holistic view of IPA, encompassing RPA, AI, and ML, among other key technologies. Through real-world case studies, strategic guidelines, and interdisciplinary perspectives, the book offers actionable insights that are not just theoretical, but practical and implementable. This ensures that organizations seeking to implement IPA can do so seamlessly, without feeling overwhelmed or unsure. Addressing ethical and regulatory considerations ensures responsible AI practices and compliance, fostering a sustainable approach to automation.

This book serves as an indispensable resource for professionals, researchers, and innovators striving to harness the transformative power of IPA. It doesn't just provide information, but empowers readers to overcome challenges, innovate strategically, and unlock new opportunities in the digital age. Whether navigating complex business processes or seeking to enhance customer experiences, **Advancements in Intelligent Process Automation** provides the knowledge and tools needed to succeed in today's rapidly evolving landscape, giving you the confidence and control you need to thrive.



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Topics Covered:

- AI-Driven Customer Analytics
- Automation in Supply Chain and Logistics
- Business Process Modeling and Automation
- Competitive Advantage Through Automation
- Compliance Monitoring Using Automation
- Control Theory in Automation Systems
- Cyber-Physical Systems for Monitoring
- Deep Learning for Process Optimization
- Intelligent Robotic Systems Development
- Robotics Process Automation Techniques

Subject: Computer Science & Information Technology

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

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

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