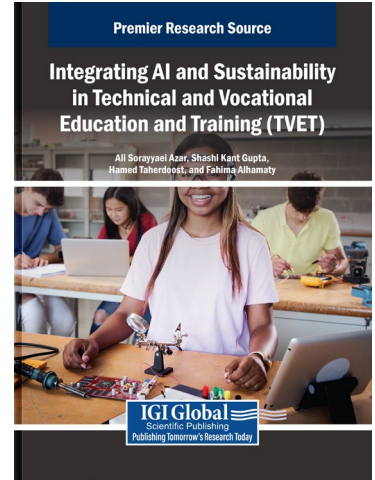


Integrating AI and Sustainability in Technical and Vocational Education and Training (TVET)

Ali Sorayyaei Azar (University of Malaya, Malaysia)
 Shashi Kant Gupta (Eudoxia Research University, USA)
 Hamed Taherdoost (University Canada West, Canada)
 Fahima Alhamaty (Harvard Business Review, Kuwait)



Description:

As industries worldwide adopt advanced technologies and sustainable practices, the role of technical and vocational education and training (TVET) is evolving to meet these new demands. TVET institutions must now integrate artificial intelligence (AI) and sustainability into their programs to produce a workforce equipped with future-ready skills. By incorporating AI tools and sustainable practices into TVET curricula, educators can provide learners with the competencies to thrive in green technologies, smart manufacturing, renewable energy, and other emerging fields. This integration empowers individuals with new skills and contributes to a more sustainable, resilient global economy. Further exploration may bridge the gap between technological advancement and environmental responsibility.

Integrating AI and Sustainability in Technical and Vocational Education and Training (TVET) provides a comprehensive guide on how TVET can successfully incorporate technological elements, addressing the frameworks, strategies, best practices, and challenges associated with this transformation. It supports educators in navigating the complexities of integrating AI and sustainability into vocational training. This book covers topics such as cybersecurity, data science, and supply chains, and is a useful resource for business owners, engineers, educators, academicians, researchers, and data scientists.

ISBN: 9798337311425 **Pages:** 500 **Copyright:** 2025 **Release Date:** 4/18/2025

Hardcover: \$295 **Softcover:** \$225 **E-Book:** \$295 **Hardcover + E-Book:** \$355

Topics Covered:

- | | |
|-------------------------------|---------------------------------------|
| Accounting and Finance | Medical Technology |
| Artificial Intelligence | Package Distribution and Installation |
| Automated Device Management | Predictive Analytics |
| Cloud Technology | Project Management |
| Cybersecurity | Supply Chains |
| Data Science | Sustainable Development |
| Digital Technology | Vocational and Technical Education |
| Economics and Economic Theory | |

Subject: Business and Management
Readership Level: Advanced-Academic Level (Research Recommended)

Classification: Edited Reference
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
www.igi-global.com
 Address: 701 East Chocolate Avenue, Hershey PA, 17033, USA

