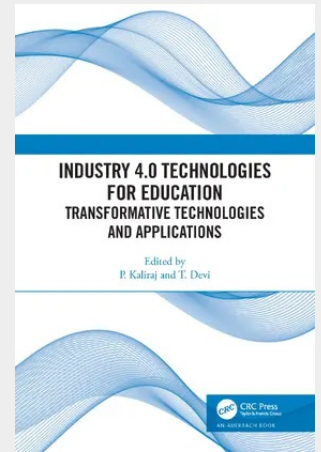


Industry 4.0 Technologies for Education

Transformative Technologies and Applications

The transformative digital technologies developed for Industry 4.0 are proving to be disruptive change drivers in higher education. Industry 4.0 technologies are forming the basis of Education 4.0. Industry 4.0 Technologies for Education: Transformative Technologies and Applications examines state-of-the-art tools and technologies that comprise Education 4.0. Higher education professionals can turn to this book to guide curriculum development aimed at helping produce the workforce for Industry 4.0. The book discusses the tools and technologies required to make Education 4.0 a reality. It covers online content creation, learning management systems, and tools for teaching, learning, and evaluating. Also covered are disciplines that are being transformed by Industry 4.0 and form the core of Education 4.0 curricula. These disciplines include social work, finance, medicine, and healthcare. Mobile technologies are critical components of Industry 4.0 as well as Education 4.0. The book looks at the roles of the Internet of Things (IoT), 5G, and cloud applications in creating the Education 4.0 environment. Highlights of the book include: - Technological innovations for virtual classrooms to empower students - Emerging technological advancements for educational institutions - Online content creation tools - Moodle as a teaching, learning, and evaluation tool - Gamification in higher education - A design thinking approach to developing curriculum in Education 4.0 - Industry 4.0 for Service 4.0 and Research 4.0 as a framework for higher education institutions - Eye-tracking technology for Education 4.0 - The challenges and issues of the Internet of Things (IoT) in teaching and learning



80,00 €

74,77 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781032331416

Medium: Buch

ISBN: 978-1-032-33141-6

Verlag: Taylor & Francis Ltd (Sales)

Erscheinungstermin: 12.03.2025

Sprache(n): Englisch

Auflage: 1. Auflage 2025

Produktform: Kartoniert

Gewicht: 1002 g

Seiten: 584

Format (B x H): 178 x 254 mm

