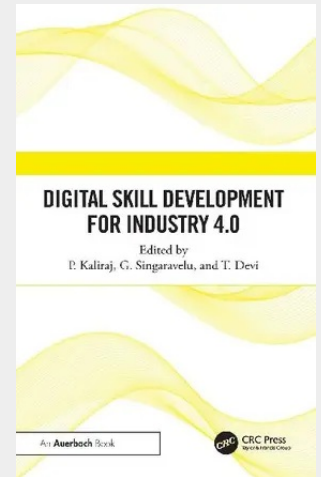


Digital Skill Development for Industry 4.0

The Fourth Industrial Revolution, Industry 4.0, is changing the world, and digital transformation technology tools have impacted every walk of life. The nature of work and careers is changing fast – and in the future, the right skills will be prized over academic qualifications. Students must develop various skills, especially technology skills, to become the workforce of the future; the onus of developing these skills falls on educational institutions. The development of innovation and ideation skills in students is a must for them to productively contribute to a future economy. They should have the capability to translate ideas into solutions, products, and systems that are scalable, practically feasible, and adaptable. To prepare students for this digital world, Digital Skill Development for Industry 4.0 contains chapters on developing: - Professional skills, cognitive learning - Critical thinking skills among modern learners - Motivation and student engagement - Invoking interest of students - Student engagement in e-learning - Contextual learning - Experimental learning - Multidisciplinary learning The book is written for the academic and administrative community of universities and colleges who intend to equip their modern learners with the skills of Industry 4.0. It is also useful as a reference for undergraduate and postgraduate courses, as well as doctoral programs. The book can also serve as a comprehensive reference guide for researchers in the development of tools incorporating new skills and technologies. Practitioners who are interested in introducing digital skill development for Industry 4.0 and its tools to solve real-world problems can also use this book.



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