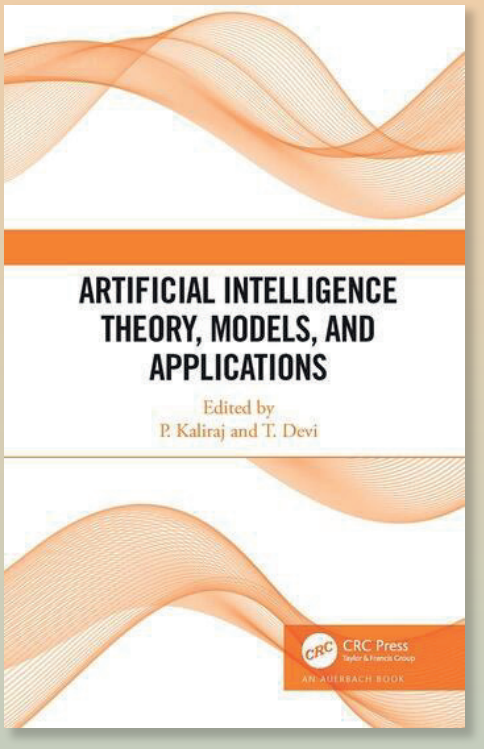

Artificial Intelligence Theory, Models, and Applications

Edited By **P Kaliraj** and **T. Devi**

This book examines the fundamentals and technologies of Artificial Intelligence (AI) and describes their tools, challenges, and issues. It also explains relevant theory as well as industrial applications in various domains, such as healthcare, economics, education, product development, agriculture, human resource management, environmental management, and marketing. The book is a boon to students, software developers, teachers, members of boards of studies, and researchers who need a reference resource on artificial intelligence and its applications and is primarily intended for use in courses offered by higher education institutions that strive to equip their graduates with Industry 4.0 skills.

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- The potential and application of AI in medical imaging as well as the challenges of AI in precision medicine
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- The role of machine learning models in product development and statistically monitoring product quality
- Machine learning to make robust and effective economic policy decisions
- Machine learning and data mining approaches to provide better video indexing mechanisms resulting in better searchable results

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ISBN: 9781032008097 | Hardback
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