

Operations Research and Data Analytics: Current Trends and Future Perspectives

Selected Papers from International Conference on Industrial Engineering and Analytics (ICONIEA) 2024

This book, "Operations Research and Data Analytics: Current Trends and Future Perspectives", presents 25 peer reviewed articles from the International Conference on Industrial Engineering & Analytics (ICONIEA 2024), organized by the Department of Industrial and Systems Engineering at IIT Kharagpur, India. This compilation of articles aims to provide insights into how Operations Research (OR) and Data Analytics (DA) are used to solve real-world decision problems in business, transportation, healthcare, agriculture, climate science, safety, security, and surveillance.

The book is organized into five thematic sections that represent the significant ways ORDA are reshaping industries and scientific research. Part I focuses on importance of decision sciences and business analytics in industry. Part II covers the implementation of OR in transportation and logistics sector. Part III explores application of analytics in healthcare. Part IV explains the role of ORDA techniques in agricultural and climate sciences, and Part V examines application of ORDA in safety, security, and surveillance.

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