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ARTIFICIAL INTELLIGENCE
TRANSDISCIPLINARY PERSPECTIVE
IN
MANAGEMENT

Dr. (CS) Usha Srivastava

ARTIFICIAL INTELLIGENCE: TRANSDISCIPLINARY PERSPECTIVE IN MANAGEMENT

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Dear Authors,

I am writing to extend my heartfelt congratulations on the imminent publication of your book titled “Artificial Intelligence: Transdisciplinary Perspective in Management” on Artificial Intelligence from a Transdisciplinary Perspective. As the Head of Department, I am immensely proud to see such significant contributions from our faculty that not only advance the field but also promote interdisciplinary dialogue.

Your dedication and expertise in the realm of Artificial Intelligence have been evident throughout your tenure with our department. Your commitment to exploring the subject from a transdisciplinary angle reflects the innovative spirit that we encourage and support within our academic community.

Artificial Intelligence stands as one of the most dynamic and impactful fields of study in the modern era, with far-reaching implications across various domains. Your book promises to offer fresh insights and perspectives that will undoubtedly enrich the discourse surrounding AI, fostering a deeper understanding of its multifaceted nature.

I have every confidence that your work will be well-received by scholars, practitioners, and enthusiasts alike, serving as a valuable resource for anyone seeking a comprehensive understanding of AI from a transdisciplinary lens. Your contributions to the field exemplify the caliber of scholarship that distinguishes our department, and I am certain that your book will further enhance our reputation as a hub of intellectual excellence.

On behalf of the department, I extend our warmest congratulations and best wishes for the success of your book. May it garner the attention and acclaim it deserves, and may your insights pave the way for further advancements in the field of Artificial Intelligence.

Warm regards,

Prof (Dr.) Umesh Gupta
Head of Department
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PREFACE

Welcome to “Artificial Intelligence: A Transdisciplinary Perspective in Management.” In an era where technological advancements are shaping every aspect of our lives, artificial intelligence (AI) stands out as a transformative force with immense potential. This book delves into the intricate interplay between AI and management, offering a transdisciplinary approach that transcends traditional boundaries.

The field of AI has witnessed unprecedented growth, fuelled by innovations in machine learning, deep learning, natural language processing, and robotics, among other domains. These advancements have not only revolutionized industries but also posed complex challenges and opportunities for businesses and organizations worldwide.

The goal of this book is to provide a comprehensive understanding of AI from a transdisciplinary perspective, integrating insights from management, technology, Healthcare, ethics, Human Resource, Finance, economics, and other relevant disciplines. By examining AI through multiple lenses, we aim to foster a holistic view that can guide practitioners, researchers, policymakers, and students in navigating the AI landscape effectively.

Our journey begins with an exploration of the foundations of AI, including its history, key concepts, and fundamental algorithms. We then delve into AI applications in various management domains such as Risk management, Healthcare, capital market, Banking and finance, operations, human resources, and strategic decision-making. Throughout these discussions, we emphasize the importance of ethical considerations, responsible AI deployment, and human-AI collaboration to ensure positive outcomes for society.

This book is designed to be accessible to a wide audience, ranging from professionals seeking practical insights to academics interested in cutting-edge research topics. Each chapter combines theoretical frameworks with real-world examples, case studies, and practical guidelines, making it a valuable resource for both learning and reference purposes.

We would like to express our gratitude to all the contributors, researchers, practitioners, and institutions that have shaped the content of this book. Their expertise, dedication, and passion for advancing AI knowledge have been instrumental in creating a resource that we hope will inspire, inform, and empower readers on their AI journey.

As the AI landscape continues to evolve, we invite you to embark on this transdisciplinary exploration and discover the transformative potential of artificial intelligence in management.

Thank you for joining us on this intellectual adventure.

Edition, 2024

Best Regards,
Dr. (CS) Usha Srivastava
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ABOUT THE AUTHOR



Dr. (CS) Usha Srivastava

Dr.(CS) Usha Srivastava is an associate member of the Institute of Company Secretaries of India (ICSI), an academician, and a keen researcher. She has over 15 years of experience in academics and corporate. She has published more than 12 Research papers in UGC care, Scopus, and other reputed Journals and 2 edited book chapters. She has contributed to the professional publication of ICSI titled "Company Law Exploring Procedural Dimensions". Her areas of interest include Capital market, Microfinance, SME, and Corporate Governance. Currently, she is working as an associate professor at the School of Management Studies and Research, at MATS University.



Dr. Jhuma Saha

Dr. Jhuma Saha, a passionate educator holds a Ph.D. in Human Resource Management and an MBA in HR & Marketing. Dr. Jhuma Saha has around 8 + years of enhanced experience both from academics and industry. She has published more than 11 papers in UGC, National, and International journals and has written 2 book chapters. Her area of interest covers Human Resource Development. She is currently serving as an Assistant Professor in School of Management Studies and Research, at MATS University.



Dr. Ravi Kishor Agrawal

Dr. Ravi Kishor Agrawal is a learner for life, a conscientious, a data analyst, an Ex-IQVIA, and a Gold Medalist. He holds a Ph.D. in management and an MBA in Healthcare and Hospital administration. He has around 13 years of enriched experience both from industry and academics. He has published over 12 papers in UGC, National and International Journals, has 2 patents, and has written 4 books. Dr. Ravi is a life member of the Chhattisgarh Society of Pharmaceutical Sciences and Technology, the Institute for Educational Research and Publication, and many other national organizations. He is currently serving as an Assistant Professor in School of Management Studies and Research, at MATS University.



Dr. Savita Pandey

Dr. Savita Pandey is an enthusiastic and committed academician with more than 3 years of experience in project funding and budgeting from the World Bank under the RNTCP Scheme of NRHM and the education sector. She holds a Ph.D. in Finance and an MBA from Amity University, Lucknow. Her area of interest includes capital market, investment, and project management. Presently she is working as an Assistant Professor in the School of Management Studies and Research, at MATS University.



Mrs Udita Dubey

Mrs. Udita Dubey holds a Master's in Business Administration from DAVV, Indore, and has leveraged her academic foundation to excel in various roles within the HR industry. She is UGC NET qualified and her academic journey has been marked by a commitment to excellence and a passion for learning. Mrs. Udita Dubey has around 6 + years of enhanced experience both in academics and industry. Her areas of interest include Industrial relations and labour laws. Currently, she is serving as an Assistant Professor, at the School of Management Studies and Research, MATS University, Raipur, where she plays a pivotal role in shaping the minds of future professionals.



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