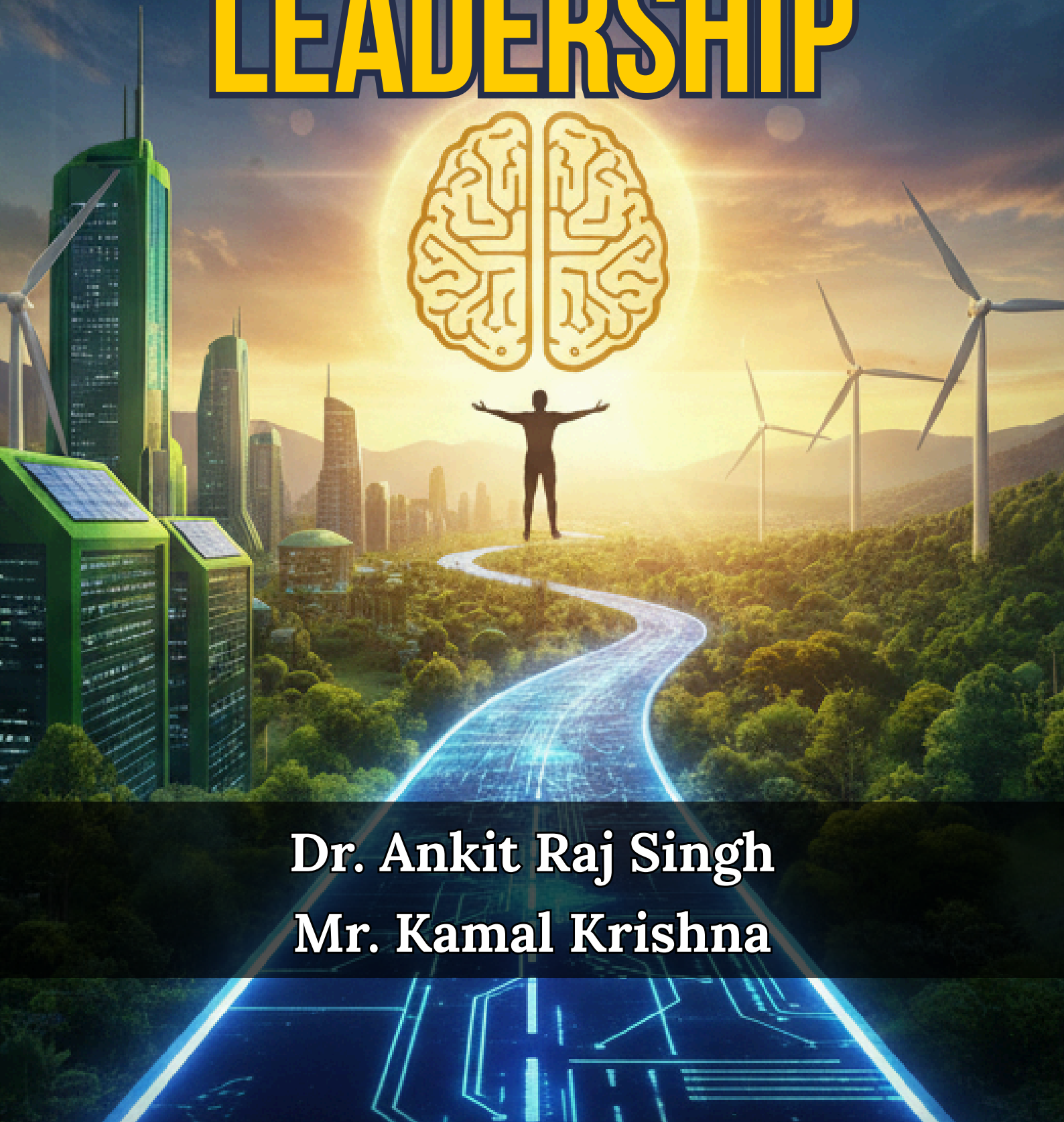


NAVIGATING THE FUTURE

WITH **AI, SUSTAINABILITY** AND

LEADERSHIP



Dr. Ankit Raj Singh

Mr. Kamal Krishna

Navigating the Future with AI, Sustainability and Leadership



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Navigating the Future with AI, Sustainability and Leadership

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Preface

Welcome to "**Navigating the Future with AI, Sustainability, and Leadership**". In an era of rapid technological advancements and increasing global challenges, the role of leadership has never been more crucial. This edited volume aims to explore the dynamic relationship between artificial intelligence (AI), sustainability, and leadership, offering readers a comprehensive understanding of how these three domains intersect to shape the future of organizations.

As we continue to witness unprecedented changes in business environments, driven by technological innovation and the pressing need for sustainable practices, the responsibilities of leadership have expanded beyond traditional paradigms. AI technologies now play a pivotal role in optimizing business operations, enhancing decision-making, and driving innovation. However, with this power comes a new set of challenges—ensuring that technological growth aligns with ethical responsibility, social equity, and environmental sustainability. This book aims to provide a well-rounded perspective on how leaders can leverage these technologies while upholding core values of sustainability and ethics.

The chapters in this volume are crafted by experts in their respective fields, bringing a wealth of knowledge and practical insights that are rooted in research, case studies, and real-world applications. These contributions reflect the multifaceted nature of the modern business landscape, where leadership is no longer confined to traditional decision-making processes but is increasingly intertwined with technological advancements and sustainability concerns.

This book is designed to serve as a guide for readers—whether students, academics, or industry professionals—who are looking to deepen their understanding of how AI, sustainability, and leadership intersect to shape the future of business. Each chapter provides theoretical frameworks, practical strategies, and examples that can be applied across diverse industries, equipping readers with the tools necessary to thrive in the future business environment.

The contributors to this volume have demonstrated a shared commitment to advancing the fields of AI, leadership, and sustainability. Through their expertise, we hope to inspire a new generation of leaders who are capable of guiding organizations towards a future where innovation and sustainability go hand in hand.

We would like to extend our heartfelt gratitude to all the contributors whose thoughtful work has shaped this book. Their dedication to advancing knowledge and solving real-world problems is evident in each chapter. We are also thankful to the editorial team and reviewers for their meticulous efforts in ensuring the quality and coherence of the content.

We hope this book will serve as a valuable resource for those navigating the complexities of business leadership in an increasingly technologically advanced and sustainability-conscious world. May it inspire meaningful conversations, foster innovative thinking, and contribute to shaping the future of organizations worldwide.

Acknowledgement

The completion of this edited volume would not have been possible without the collective efforts of numerous individuals who generously contributed their expertise, time, and support. We would like to take this opportunity to express our deepest gratitude to all those involved in bringing this book to fruition.

First and foremost, we would like to extend our heartfelt thanks to the contributors who have graciously shared their knowledge, research, and insights. Each chapter in this volume offers a unique perspective and contributes to the overall depth and richness of the book. Their commitment to advancing knowledge in the fields of AI, sustainability, and leadership has been invaluable, and we are deeply grateful for their dedication to this project.

We are also sincerely appreciative of the members of the editorial board for their unwavering support and guidance throughout the development of this book. Their expertise, thoughtful feedback, and meticulous reviews have played a crucial role in shaping the academic rigor and coherence of the content. Their contributions have been instrumental in ensuring that the chapters meet the highest standards of scholarship and relevance.

A special thank you goes to the anonymous reviewers, whose detailed evaluations and constructive suggestions have helped improve the quality of the chapters and enhance the overall clarity and coherence of the book. Their careful attention to detail and commitment to academic excellence have been truly invaluable.

We would also like to acknowledge the publisher for their professional guidance and dedication to ensuring the successful completion of this project. Their support throughout the publication process, from manuscript submission to the final stages of production, has been crucial in bringing this work to the public.

Our sincere thanks go to our colleagues and peers who have provided invaluable support and encouragement throughout the development of this volume. Their collaboration and intellectual engagement have

enriched our perspective and inspired us to continually strive for excellence.

Lastly, we would like to extend our gratitude to the readers of this book. It is our sincere hope that the knowledge and insights shared in these chapters will contribute to your understanding of the critical intersection of AI, sustainability, and leadership. May this work serve as a guiding resource in your academic and professional journey.

Thank you to everyone who has contributed to this edited volume. Your collective efforts, expertise, and commitment to knowledge dissemination have made this book a reality. We are deeply appreciative of your support and contribution.

Warm Regards,
Dr. Ankit Raj Singh
Mr. Kamal Krishna

About the Editors



Dr. Ankit Raj Singh is an esteemed academician, researcher, and innovator with over a decade of experience across academia, research, and industry. He currently serves as Assistant Professor of Management at the Panipat Institute of Engineering and Technology (PIET), Samalkha (Panipat), where he teaches courses in Marketing, Brand Management, Corporate Social Responsibility, and International Trade. In addition to his teaching responsibilities, Dr. Singh holds key leadership roles, including Chairman of the Placement & Summer Training Committee, Member of the Research & Development Committee, and Member of the Internal Quality Assurance Cell (IQAC).

Dr. Singh earned his Doctorate in Management from Sharda University, where his research made significant contributions to wellness tourism and consumer behaviour. He has published extensively in Scopus-indexed, ABDC-listed, and UGC Care journals, and his research has been presented at numerous prestigious national and international academic conferences. He has also served as an editor for academic volumes within the domains of business and management.

With a profound understanding of customer behaviour and the evolving dynamics of the tourism and service industries, Dr. Singh's academic rigor is complemented by his extensive industry experience. Having explored all 24 states and 7 Union Territories of India, he integrates practical insights with theoretical frameworks in both his teaching and research.

A passionate advocate of innovation and Intellectual Property Rights (IPR), Dr. Singh has been granted and published several design patents and copyrights by the Government of India, bridging the gap between industry practices and academic research. His areas of expertise include wellness tourism, digital marketing, consumer behavior, organizational change, and artificial intelligence in management.

Dr. Singh has over 6 years of experience in the travel industry and has contributed to training programs at multinational corporations such as Hindustan Coca-Cola Private Limited and Tata Power Solar India Limited. He is also committed to social responsibility, having actively participated in Rotary International's CSR initiatives, including literacy, health, and environmental programs. His exemplary work was recognized when he was honoured as the Best NCC Cadet of Delhi Directorate, alongside his service in Delhi Civil Defence.

Through his academic excellence, research innovation, and social responsibility, Dr. Singh continues to shape the future of business management education, inspiring students, scholars, and professionals alike. He is actively engaged in guiding PhD research scholars and postgraduate students on research and innovation projects, further contributing to the advancement of academic knowledge.



Mr. Kamal Krishna is a dynamic young researcher with a robust academic and professional profile. He has authored peer-reviewed papers, including an ABDC-C category publication, and contributed multiple book chapters with reputable international publishers such as Bloomsbury. His research presentations at various international conferences have engaged global scholars on critical themes such as entrepreneurship, sustainability, human resource management, education, and the role of artificial intelligence in business.

Mr. Krishna's academic journey is further complemented by his practical achievements, including winning multiple business plan and case analysis competitions at national levels. In addition, he has driven meaningful change through several leadership roles within student bodies and administrative positions, further cementing his commitment to academic excellence and thought leadership.

Mr. Krishna's diverse accomplishments reflect his ability to blend theory with practice, making him a valuable contributor to the academic community. He remains dedicated to advancing research that can influence both policy and practice, particularly in the fields of entrepreneurship and sustainability.

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Yamini Budhalakoti and Sumookh Pandey

About the Editors



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About The Book

"**Navigating the Future with AI, Sustainability, and Leadership**" provides a comprehensive exploration of the critical intersection between artificial intelligence, sustainable business practices, and leadership. This edited volume, compiled and curated by **Dr. Ankit Raj Singh** and **Mr. Kamal Krishna**, assembles contributions from leading scholars and practitioners who offer invaluable insights into how organizations can integrate technological advancements with responsible leadership to drive long-term success.

This book seeks to address the growing complexity faced by businesses in today's rapidly evolving environment. It presents a thoughtful examination of how artificial intelligence can be utilized to optimize operations, support innovation, and enhance decision-making processes, all while ensuring that sustainability remains at the core of organizational strategy. Through leadership that is both visionary and ethically grounded, organizations can successfully navigate the future, balancing innovation with environmental and social responsibility.

The chapters within this volume are grounded in rigorous academic research and provide practical frameworks for understanding the implications of these domains. Each contribution offers both theoretical perspectives and practical guidance, making this book an essential resource for scholars, students, and professionals alike. By examining best practices, global trends, and case studies, this book serves as a critical guide for understanding the role of leadership in shaping the future of business in the age of AI and sustainability.

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