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Nota di contenuto	Chapter 1 Science, Technology and Innovation (STI) Policy Framework for Socio-economic Growth of the Nations -- Chater 2 Components of the Science, Technology, and Innovation (STI) System -- Chapter 3 A comprehensive study of the governance of India's scientific, technological, and innovative endeavor's -- Chapter 4 Reinvigorating Science, Technology and Innovation in the country by factoring components of the innovation system -- Chater 5 A gear from India´s and shreds of evidence from Brazil's governance STI ecosystem: the cutting-edge design for frugal, sustainable and trust roadmap -- Chapter 6 Technology-push, Demand-pull, or networks: What drives and facilitates innovation? -- Chapter 7 Governance of Public-Private Partnerships- What Works and What Does Not -- Chapter 8

Comparison of Management Practices in Translational Research in HEIs and non-Educational Sectors -- Chapter 9 The Impact of 3D Bioprinting Innovation on IP Ecosystem and Patent law: An Indian and US Perspective -- Chapter 10 The recent developments and the current state of the art in IP Acts in India -- Chapter 11 Intellectual Property Framework and Enforcement Mechanisms in India -- Chapter 12 IP ecosystems of major economies of the world -- Chapter 13 Open Science and Science, Technology, and Innovation Ecosystem: exploring from 'policies' to 'practices' within India -- Chapter 14 Fostering inclusive development with citizen science and geospatial technologies -- Chapter 15 A Perspective on Emerging and Converging Technologies for Advancement of Scientific Innovation Ecosystems -- Chapter 16 Science Communication: Communicating Science & Technology: Policies and Practices -- Chapter 17 Science Diplomacy in Semi-Peripheral Countries: trajectories and approaches from Argentina, Brazil, and India -- Chapter 18 Significance of strengthening STI ecosystems for achieving Sustainable Development Goals.

Sommario/riassunto

Science, Technology, and Innovation (STI) are the key drivers of the economy and development of a country. The economic and social impacts of STI require a deep understanding of the STI ecosystem, which includes the interactions between actors, their technologies, and their business models. This book, "Science, Technology, and Innovation Ecosystems: A National and Global Perspective," focuses on the STI ecosystem of India in comparison to other innovation-backed global countries. It will include a study of the entire STI ecosystem, focusing on the system interconnectedness required for strengthening it. The building of interconnection within actors of the STI ecosystem is one of the paramount requirements to reinvigorate the STI ecosystem as a whole. The book will also present the crucial role of STI in bringing socio-economic development from a national and international perspective. It addresses the development of viable solutions for a sustainable future and a positive societal transformation with the help of innovative science-based approaches. This book showcases the future of science in terms of emerging frontier and strategic technologies, giving us a snapshot of future STI efforts worldwide. Emphasis is given to the policy directives and program interventions backed by evidence to revamp the STI system by addressing the societal and economic needs of the country. The book will strategically bring the concept of the relevance of the Intellectual Property (IP) ecosystem in building the country's innovation capacity along with specific pieces of evidence on how the IP system should be roped in to bring higher innovation efficiency. An insight is provided to chart out the pathway for creating a knowledge-based economy focusing on knowledge production to knowledge consumption through knowledge diffusion.
