

Building a Knowledge Society NEP- 2020 and the Digital Transformation



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Building a Knowledge Society: NEP- 2020 and the Digital Transformation

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Preface

The editor warmly welcomes its reader into the literary world of academic discourse via, “Building a Knowledge Society: NEP 2020 and the Digital Transformation”, a comprehensive exploration of the dynamic and most revered intersection between India’s education and the ongoing digitalization. The purpose behind this book is to bring together experts, researchers, scholars, practitioners from diverse fields, providing them with an opportunity to disseminate their research findings and insights related to carving a knowledge society triggered by digital transformation keeping in parlance with NEP 2020.

The book "Building a Knowledge Society: NEP 2020 and the Digital Transformation" delves into the transformative landscape of India's educational framework as outlined by the government's landmark policy. Offering a comprehensive analysis, the book explores the key pillars of the NEP 2020, including changes in pedagogy, curriculum design, and assessment methods. It critically examines the policy's emphasis on flexibility, interdisciplinary learning, and the integration of technology in education.

The purpose of this book is, therefore, to contribute and provide scientific understanding as to how to build a knowledge society triggering the need of digital transformation within the arena of implementation of NEP 2020. Contents are aimed to facilitate understanding of the nuances of a knowledge society, the need of digital transformation in education and the major constraints in implementing NEP 2020 and its impact on the digital world, especially, in the Indian context.

The authors provide a historical context, tracing the evolution of education policies in India and contextualizing the significance of the NEP 2020 in the broader socio-economic milieu. Through case studies and expert perspectives, the book unpacks the potential impact of the policy on various stakeholders, from students and teachers to educational institutions and policymakers. Addressing challenges and opportunities, the book engages with the discourse on inclusive and equitable education, exploring how the NEP 2020 aims to bridge gaps in access and quality. Additionally, it scrutinizes the implications for vocational education, research initiatives, and international collaborations.

Section 1 provides an overview of the knowledge societies and understanding of digital transformations and NEP 2020 with a focus on key highlights and assessments of NEP 2020. Effort is also made to outline the major challenges in implementation of NEP 2020 and measure to overcome the barriers in digital transformation. Section 2 attempts to explore various methods and approaches to study the process of digital transformation like online education, blended learning models, gamification and learning, artificial intelligence, data analytics, inclusive education etc and also and suggesting innovations and innovative practices to achieve sustainability in education. Section 3 focusses on policy implementation, governance, and sustainability. It provides a detailed analysis of the role of governance in educational infrastructure and connectivity by analysing the sustainability of knowledge society and digital transformation in context of NEP 2020. Emphasis is laid on future of education and work with international collaboration.

We express our deepest gratitude to EZ Publication for their constant support and suggestions that made possible the successful completion of this book. Thus, this work will provide platform and facilitate valuable contribution allowing professors and researchers to share innovative ideas by establishing meaningful discourse and professional piece of academic writing in the form of chapters contributed.

We hope that the book "Building a Knowledge Society: NEP 2020 and the Digital Transformation" will contribute to the overall development of society especially the ongoing knowledge society in the digital world catering to the needs to educational sector under the purview of NEP 2020. This book holds immense significance and serves as a valuable resource to the students, researchers, teachers, academicians, experts, government officials, administrators, and policy makers and anyone interested in understanding the paradigm shift in India's educational landscape, offering insights into the aspirations, challenges, and future trajectory of the country's education system by proposing strategies for building a knowledge society in the digital world leading to sustainable development.

Editors

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International Collaborations for Knowledge Society

¹Dr. Nazia Akhlaq and ²Dr. Divya Rajkumar Panjwani

Abstract

The goal of a knowledge-based society has evolved into a global imperative in an interconnected world. The idea of a knowledge society centers on the efficient use and sharing of knowledge to promote innovation, social progress, and economic growth. International partnerships are essential for forming and advancing knowledge societies because they cross geographical barriers to tap into the collective wisdom of various countries. The significance and dynamics of international cooperation for establishing and advancing knowledge societies are explored in this paper. It starts off by looking at the fundamentals of a knowledge society and the part it plays in achieving societal advancement and sustainable development. The study also highlights the primary forces that motivate international cooperation in this setting, placing special emphasis on the significance of globalization, technical breakthroughs, and cross-cultural interactions. In order to show how partnerships between academia and industry facilitate the transmission of knowledge and innovation on a worldwide scale, the role of universities, research institutions, and multinational enterprises in fostering cross-border collaborations is investigated. Examined are the benefits and difficulties of international collaborations for knowledge societies, as well as issues with intellectual property, linguistic difficulties, and cultural disparities. This study also emphasizes the growing significance of online platforms and digital technology in fostering global cooperation for knowledge societies. It highlights the value of open-access knowledge sharing and the emergence of global virtual research networks. This study highlights that, in order to create and support knowledge societies in the twenty-first century, international cooperation are not only an option but also a requirement. These partnerships could hasten scientific advancements, advance intercultural understanding, and propel socioeconomic growth on a worldwide level. In our effort to build a truly integrated knowledge society, it is essential that we embrace the possibilities and address the problems of international relationships.

Keywords: *knowledge-based society, International cooperation, socioeconomic growth, International relationships, Intellectual property. Collaborative problem solving, Industry-Academia collaborations.*

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