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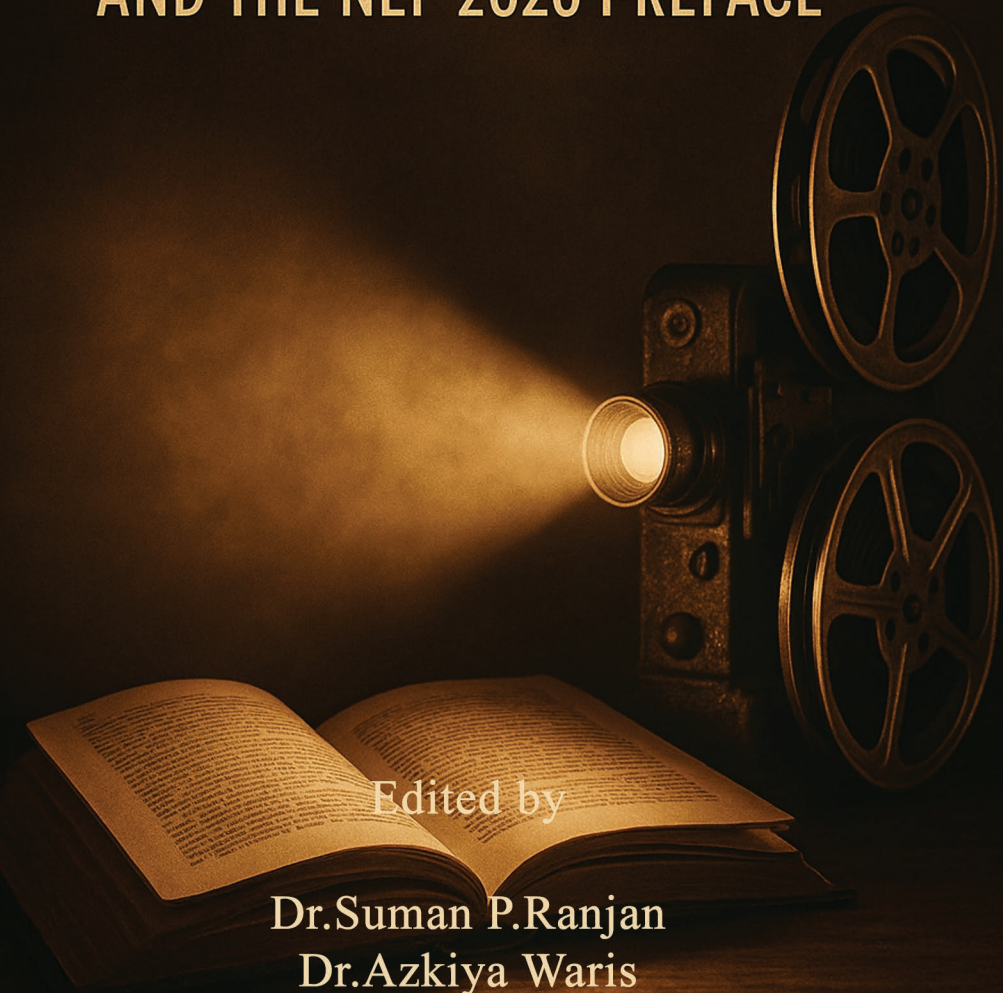


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# TRANSFORMATIVE TEACHER EDUCATION IN INDIA

## CONTEXT, SKILL DEVELOPMENT, AND THE NEP 2020 PREFACE

TRANSFORMATIVE TEACHER EDUCATION IN INDIA: CONTEXT, SKILL DEVELOPMENT, AND THE NEP 2020 PREFACE



Edited by

Dr.Suman P.Ranjan  
Dr.Azkiya Waris



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# **Transformative Teacher Education in India: Context, Skill Development, and the NEP 2020 Preface**

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**Dr. Azkiya Waris**

**Dr. Suman P. Ranjan**



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## PREFACE

In the 21st century's rapidly evolving global economy, the stability and future potential of nations rest squarely on the shoulders of their educators. Classrooms today are not merely sites of instruction; they are crucibles of transformation. The traditional model of the teacher as a sole source of knowledge has given way to a more complex, multi-faceted role—that of a mentor, facilitator, innovator, and lifelong learner. Teachers are now tasked with cultivating not only academic knowledge but also essential future-ready competencies: critical thinking, complex problem-solving, digital literacy, and the crucial skill of adaptation. This profound shift demands an equally profound transformation in the system that prepares these professionals: teacher educators.

*Transformative Teacher Education in India: Context, Skill Development, and the NEP 2020 Preface* is written at a pivotal moment in India's educational journey. It is framed against the backdrop of the National Education Policy (NEP) 2020, arguably the most ambitious reform agenda since independence. NEP 2020 is not a document; it is a declaration of incremental change of intent to fundamentally reshape the educational ecosystem, with teacher preparation at its core. Its vision of integrated, multidisciplinary programs—most notably the four-year B.Ed.—signals a decisive academic rigor with move toward blending practical professional competencies. This book critically examines these mandates, exploring their implications for existing structures and the monumental challenge of nationwide implementation.

The chapters trace the historical trajectory of teacher education in India—from the decentralized Gurukul system, through colonial frameworks, to the present era governed by the crucial role of National Council for Teacher Education (NCTE). This historical lens reveals why systemic challenges persist: uneven quality across institutions, infrastructural deficiencies, and the urgent need to professionalize

faculty. By unpacking these issues, the book offers evidence-based analyses and practical pathways for systemic improvement and quality assurance.

Two interlinked themes run throughout this volume: Skill Development and Digital Transformation harness its demographic. If India has to harness its demographic dividend, teachers must become champions of vocational acumen and entrepreneurial spirit, embedding real-world competencies across subjects and grade levels. Simultaneously the march of digital transformation accelerated by global disruptions—has permanently redefined the classroom. Teacher trainees must be equipped not only with basic digital literacy but also with mastery of advanced tools: virtual laboratories, AI-driven adaptive learning systems, high-quality e-content, and digital assessment strategies. The goal is clear: a teaching workforce capable of delivering engaging, equitable, and effective education in a technologically saturated landscape.

Equally vital are the ethical dimensions of teaching. Teachers must foster human values, democratic citizenship, and inclusivity in an increasingly diverse society. Professional development, therefore, must be continuous and holistic, encompassing not only pedagogical skill but also moral and social responsibility. Practical blueprints—such as establishing modern virtual labs and e-learning centres—are highlighted as indispensable to realizing NEP 2020’s modernization goals.

This book is intended as a resource for a wide readership: scholars and researchers analysis; policymakers seeking rigorous navigating the complexities of reform; faculty and teacher educators striving for excellence; and aspiring teachers who will carry this vision into classrooms across India. More than a chronicle of change, it is a call to action—an invitation to dialogue, collaboration, and innovation. By reimagining teacher education, India can secure not just a brighter future for its students, but a stronger, more prosperous future for the nation itself.

## *Table of Content*

<b>Sr. No.</b>	<b>Chapter Name</b>	<b>Page No</b>
Chapter 1	Leadership For Mental Health and Well-Being in Schools: A Strategic Approach to Holistic Educational Administration <i>Dr. Farheen Fatima Zaidi, Dr. Ekhlak Ahmad</i>	1-12
Chapter 2	Educational Technology and Teacher Education: Technological Challenges in Rural Areas <i>Dr. Mudit Kumar Verma</i>	13-23
Chapter 3	Introduction To Teacher Education in India <i>Sada Warsi, Dr. Azkiya Waris</i>	24-36
Chapter 4	Digital Pedagogy and Equity: Redefining Teacher Training in The Age of Blended Learning <i>Dr. Suman P. Ranjan</i>	37-48
Chapter 5	Teacher Education for Vocational and Skill Development <i>Dr. Priyanshi Gupta</i>	49-61
Chapter 6	Culturally Responsive Leadership: Bridging Equity and Excellence <i>Dr. Dhriti Tiwari</i>	62-77
Chapter 7	Education Financing and Sustainable Development Goal 4 in India: Issues, Challenges, And Policy Recommendations <i>Dr. Abdul Moeed, Dr. Shagufta Nazneen Ansari</i>	78-108

Chapter 8	Utility of New Education Policy 2020 In Context to Current Education System	109-116
	<i>Dr. Anil Kumar Singh</i>	
Chapter 9	Technology Integration in Catholic Schools; Are Teachers Prepared?	117-125
	<i>Ansa Fatima, Dr. Noorain Anas</i>	
Chapter 10	Ethical Leadership and Decision-Making in Education	126-137
	<i>Dr. Farheen Fatima Zaidi, Dr. Amit Chaurasia</i>	
Chapter 11	The Impact of Educational Technology on Teacher Training and Development	138-149
	<i>Dr. Shaista Ateeque</i>	
Chapter 12	From Design to Delivery: A Strategic Approach to Engaging Learners Through Innovative Pedagogical Practices	150-164
	<i>Arshiya Idris</i>	
Chapter 13	शिक्षक शिक्षा में ICT और ई-लर्निंग का उपयोग	165-182
	<i>Dr. Rakesh Kumar</i>	
Chapter 14	Digital Divide in Teacher Education: Challenges, Consequences, And Strategies for Achieving Equity in Rural Contexts	183-198
	<i>Shyamili Singh</i>	
Chapter 15	Indigenous Languages in Education: A Key to Cultural Preservation and Academic Success	199-205
	<i>Ruchi Bhardwaj</i>	

# CHAPTER - 11

## THE IMPACT OF EDUCATIONAL TECHNOLOGY ON TEACHER TRAINING AND DEVELOPMENT

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### ABSTRACT

The integration of technology has transformed teacher education, providing new ways to train and support educators. This chapter examines the role of Educational Technology (EdTech) in shaping both pre-service and in-service teacher training. It highlights how technology enhances digital skills, introduces innovative teaching methods, and offers opportunities for practice, feedback, and collaboration. The chapter also traces the historical evolution of teacher training, comparing traditional approaches with technology-driven practices, and identifies key milestones in the adoption of EdTech. While the benefits of technology - such as flexibility, reflective practice, and networking are emphasized, challenges like unequal access, lack of technical support, and resistance to change are discussed. The chapter concludes by exploring future directions, including advanced tools, blended learning models, and sustainable implementation strategies. Overall, it demonstrates that EdTech plays a crucial role in improving teacher competencies, professional growth, and the quality of education.

### INTRODUCTION

Teacher training and professional development are fundamental to creating an effective and high-quality education system. Initial