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- 3 (b) No. of publications only in WoS/ SCOPUS/ PubMed (UGC-CARE Category-II) listed journals in the assessment year (P1)

Sr No.	Name of Faculty	Journal	ISSN	Title of Paper	Page No	Vol / Issue	Month & Year	Category
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- 3 (b) No. of publications only in UGC-CARE (Category-I) listed journals in the assessment year (P2)

Sr No.	Name of Faculty	Journal	ISSN	Title of Paper	Page No	Vol / Issue	Month & Year	Category
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- 3 (b) No. of publications only in referred journal other than the above indexing (P3)

Sr No.	Name of Faculty	Journal	ISSN	Title of Paper	Page No	Vol / Issue	Month & Year	Category
1.	Dr Jyoti Tiwari	GNCE Journal of Transforming Teacher Education	2456-7922	Transforming Teacher Education in changing Scenario	6-10	8/1	2023	P3
2.	Dr Jyoti Tiwari	GNCE Journal of Transforming Teacher Education	2456-7922	Revised Role of Teachers in the Changing Perspective of NEP 2020	31-40	8/1	2023	P3



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THE SYMBIOTIC RELATIONSHIP BETWEEN TEXTBOOKS, STUDENTS AND EDUCATORS: EMBRACING 21ST CENTURY SKILLS IN TEACHER PREPARATION

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Abstract

In the evolving landscape of education, the relationship between textbooks, students, and educators has taken on a dynamic and symbiotic nature. Textbooks have long been regarded as fundamental tools in the field of education, serving as a primary source of knowledge and guidance for both students and educators. Over the years, these educational resources have evolved and adapted to meet the changing needs of learners and teachers alike. This article explores the symbiotic relationship that exists between textbooks, students, and educators, and how they mutually influence each other's learning and teaching experiences.

This article explores the shifting paradigm in teacher preparation, emphasizing the integration of 21st-century skills into curricula. It examines how textbooks are evolving to meet the demands of modern education, fostering active student engagement and collaboration. The role of educators in guiding students toward critical thinking, digital literacy, and problem-solving is highlighted. The article underscores the importance of a harmonious relationship among these elements to equip educators with the tools necessary to prepare students for success in an ever-changing world.

Keywords: textbooks, students, educators, teacher preparation, 21st-century skills, education paradigm.

Introduction

In the 21st century, education has undergone significant transformations due to rapid advancements in technology and the changing demands of the modern workforce. As educators strive to equip students with the skills required for success in the digital age, the role of textbooks has evolved beyond being a mere source of information. Textbooks now serve as valuable tools to foster and develop 21st-century skills, preparing students for an increasingly interconnected and dynamic world. The 21st century is marked by rapid technological advancements, evolving workforce demands, and an increasingly interconnected global society. To prepare students for success in this dynamic landscape, education systems worldwide are recognizing the importance of integrating 21st-century skills into curricula. This article explores the strategies and approaches for effectively infusing these essential skills into educational frameworks, drawing upon scholarly research and expert insights to provide practical guidance.

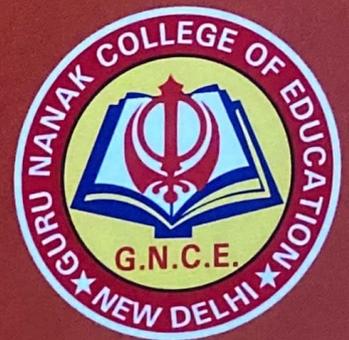
Meaning and Role of Textbooks & 21st-century skills

Textbooks are educational resources in printed or digital form that contain organized and structured content, specifically designed to support learning and teaching in formal educational settings (Johnson, A. P., 2019). They serve as comprehensive guides for students, providing essential subject knowledge, explanations, exercises, and examples to aid in comprehension and skill development. Textbooks act as a foundational resource, laying the groundwork for students to develop their cognitive abilities and acquire the necessary skills to succeed academically and beyond. 21st-century skills, often referred to as "soft skills" or "future-ready skills," encompass a range of abilities that extend beyond traditional academic knowledge. They include critical thinking, creativity, communication, collaboration, digital literacy, problem-solving, adaptability, and cultural competency, among others (Partnership for 21st Century Skills, 2009).

Textbooks serve as a primary instructional tool and play a crucial role in shaping students' knowledge, skills, and understanding of various subjects.

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Transforming Teacher Education in Changing Scenario

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ABSTRACT

The present article highlights the following studies; a) The improvising of education methods in teaching; b) the relationship between education and the digital technology rising in the digital world and involving strategic mindset; and c) achieving long-term objectives that have a core value. The paper takes a two-pronged approach to the problem at hand, first emphasizing digital technology in the education society and emphasizing strategies of teachers by involving the children through interactive methods and skills in the classroom. The teacher's are role model of today's society and economical importance in the culture to up bring the shortcoming of the student in today world and enhance the skills which students are good in diverse population of the student. Today's Scenario in 21st century, the focus is on development of child in a better way through smart classes, innovative and interactive methods to digital technology and professional development as well as pedagogical aspects and approaches with diverse student population in teacher's educational programs. This article is based on a literature analysis to examine the relationship between digital education and the growth of the digital learning mindset in incorporate technology, as well as how these factors affect technological development and how resources are used in the future.

Keywords: Digital learning, Digital technology and resources, Literature analysis, Pedagogical aspects and approaches, Interactive methods.

NEED OF THE STUDY

This research looks closely at how 21st century teaching skills are assisting in reaching digitalization and technological world to enhance the learning skills in the classroom with equipments of teaching and learning. Teacher education in this scenario has revolutionized the methods of teaching and adopts the new way of involving student and teacher relationship through interactive way in the classroom and has sustainable growth and development in the learning of students. In today's scenario the teaching is a new way with adaptability activities to enhance the development of brain by storming and teasing such as games related to the reasoning, teasers and quantative, etc to enhance the improvement of child and help teacher to enhance the teaching ways in the classroom.

This research intends to determine the level of technological development and enhances the level of critical thinking with the enhancement of reasoning and storming of the brain with vast knowledge and learning ways in the teaching education. Data on Teacher education and digital technology in the digital world was gathered to enhance the descriptive technique in this research paper with the aim of understanding:

1. Interconnection of digital technology and educational development by enhancement of teaching methods and skills.

Revised Role of Teachers in the Changing Perspective of NEP 2020

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ABSTRACT

The Indian educational system has undergone a dramatic change as a result of the National Education Policy (NEP) 2020. It presents a thorough plan for modernizing the nation's educational system to satisfy 21st century needs. The reform's main component is the redefining of the teacher's position. An overview of the major changes and their implications for the redesigned role of teachers as defined in NEP 2020 is given in this abstract. One of the biggest challenges facing governments today is producing such teachers. A teacher's work has become more difficult due to the ever-growing body of knowledge available today, as well as new theories in philosophy, sociology, psychology, pedagogy, and globalization. Today's teacher education programs have to be creative and well-planned. Today, the teacher education program must be examined, analyzed, changed, reconsidered and refocused. Today, the teacher education program needs to be examined, analyzed, changed, reconsidered, and refocused. One of the main goals of the Indian government is to promote quality and excellence in the field of education. The Indian government has been concentrating on quality and excellence in education at all levels in order to attain the goal of improved quality at all levels. This paper centers on how the role of teachers is evolving in light of NEP2020. It also emphasizes the different duties that NEP2020 assigns teachers to fulfil in the classroom. In similar way US ex-president Mr. Clinton declared that "talented and dedicated teachers should be in every class" in his 1996 Call for Action for American Education in the 21st Century. The study included recommendations for resolving a number of issues with teacher education. The current work is analytical in character. Various research papers, books, and articles that are pertinent have been consulted. In accordance with the requirements of the study, data and information have been gathered from relevant sources. This work has adopted an interpretive approach. Teaching abilities plus pedagogical theory and professional competencies is teacher education.

Keywords: NEP 2020, Pedagogy, Professional Competences, Globalization, Call for Action for American Education.

INTRODUCTION

On September 5, which is Teachers' Day nationwide, people celebrate the birthday of Dr. Sarvapalli Radhakrishnan, the famous philosopher and educationist who served as president of India. Prime Minister Narendra Modi recently unveiled a new national education policy, sparking a flurry of conversation about education and the role of teachers in the nation. Aside from the educational system, the new Indian education strategy has placed a special emphasis on the qualifications and training of teachers. The entire nation will focus on developing a policy centered around "quality teachers and quality education." Teacher's Day is an occasion that we use to honor and recognize the dedication and hard work of educators in improving education and developing morally upright citizens.