



Exploring The Indian Knowledge System In Promoting Holistic Education Among School Learners In The Context Of Nep 2020

Mr. Subash Giri¹ & Mr. Santosh Mohalik² & Mr. Parthasarathi Rout³

¹Assistant Professor in Education (CDOE), Fakir Mohan University, Balasore

²Assistant Professor in Education, Fakir Mohan University, Balasore

³Student in M.A. Education, Central University of Punjab

Abstract: The Indian Knowledge System (IKS) has played a significant role in shaping India's educational and intellectual traditions through its holistic, interdisciplinary, and experiential learning approaches. With its foundations in ancient literature such as the Vedas, Upanishads, and astronomy, medicine, and philosophy treatises, IKS combines scientific research, sustainability, and moral principles. This study explores the integration of the Indian Knowledge System (IKS) within the framework of the National Education Policy (NEP) 2020 to promote holistic development in school education. Embedded in India's rich cultural and intellectual traditions, IKS encompasses a diverse range of disciplines including philosophy, science, arts, ethics, and ecological consciousness. Using a systematic review of literature, this paper analyzes the multidimensional impact of IKS on learners' cognitive, emotional, moral, cultural, and practical growth. Findings reveal that incorporating traditional practices such as yoga, meditation, ethical teachings, and indigenous skills fosters a well-rounded personality by enhancing emotional regulation, cultural pride, ethical reasoning, and vocational competence. Students perceive IKS not merely as historical knowledge but as a living framework that harmonizes tradition with innovation. The study highlights the relevance and necessity of integrating IKS into modern pedagogy to cultivate compassionate, critical, and globally competent individuals, thus achieving the holistic educational vision set forth by NEP 2020.

Keywords: Indian Knowledge System, National Education Policy 2020, Holistic Education, School Education.

INTRODUCTION:

Knowledge is a powerful driver of human development, with Indigenous Knowledge (IK) forming the foundation of a nation's knowledge system, encompassing people's skills, experiences, and insights for improving their standard of living (Rao, 2006). India's education system has traditionally embraced a holistic approach, integrating knowledge, values, and practical skills. The Vedas, Upanishads, and the writings of thinkers like Chanakya and Patanjali are the foundation of the ancient Indian Knowledge System (IKS), which places a strong emphasis on interconnected learning for intellectual, moral, and spiritual development. The National Education Policy (NEP) 2020 aims to revive and integrate Indian Knowledge Systems (IKS) into modern education through

a multidisciplinary, flexible, and holistic framework (Ministry of Education, 2020). Holistic education emphasizes the connection between reality and experience, aiming to create an interconnected pedagogy in harmony with the universe. In contrast, traditional education is often stagnant and disjointed, leading to alienation (Neves, 2009). NEP 2020 seeks to break disciplinary silos by promoting a balanced education system that integrates academic knowledge with life skills, ethics, and critical thinking. Inspired by the Gurukul system, it advocates learning through observation, discussion, and hands-on experience. The policy also emphasizes the inclusion of Indian languages, arts, and traditional sciences to strengthen cultural roots and enhance global employability (MHRD, 2020). The Indian Knowledge System and NEP 2020 together pave the way for an education system that is deeply rooted in India's cultural heritage while being future-ready. The synergy between traditional wisdom and modern innovations ensures a balanced and holistic approach to learning, empowering individuals with critical thinking, ethical values, and practical skills essential for the 21st century.

BACKGROUND OF THE STUDY:

India was the birthplace of ideas and inventions in the past. Yoga and Pranayam for physical fitness and mental peace are the universal gifts of India to the entire human civilization. The education system of ancient India was culturally and spiritually enriched and advanced. The foundation of the ancient education system was religion. Ancient Indian civilization contributed very intensively and extensively to different aspects of knowledge and various fields of teaching, enhancing the horizons of human civilization (Pandya, 2014). Following the East India Company's entrance into India, they began to progressively alter the country's educational system until one day we were faced with an entirely new method of instruction. In order to instill a European mindset in Indian children, they completely changed the system. Instead of using our native tongues, they placed more emphasis on the usage of English in the classroom. Textbook culture was introduced to India by them. The purpose of textbooks was to prevent pupils from creating new knowledge and to make them believe that they were only consumers of the information that the textbook author wanted to share with them (Kumar, 2012). Recognizing this, the National Education Policy (NEP) 2020 aims to reintroduce a holistic and multidisciplinary educational framework that integrates indigenous knowledge with modern pedagogical methods. This holistic approach aims to bridge the gap between academic knowledge and life skills, fostering a well-rounded and globally competent student population (MHRD, 2020). The integration of Indian Knowledge Systems (IKS) within the NEP 2020 framework represents a significant step toward reviving holistic education in India. By breaking disciplinary silos and promoting multidisciplinary learning, the policy seeks to create a school education system that nurtures: Creativity, Critical thinking, Cultural rootedness, Enhanced employability in the global economy.

OBJECTIVES OF THE STUDY:

1. To integrate the Indian knowledge system into school education to promote holistic development.
2. To understand the perception of school learners regarding the impact of the Indian knowledge system on their holistic education.

RESEARCH QUESTIONS:

1. How does the integration of the Indian knowledge system within school education promote holistic development?
2. What are the perceptions of school learners about the impact of the Indian knowledge system on their holistic development?

METHODOLOGY

This paper employs a systematic approach to analyze and synthesize existing literature on the Indian Knowledge System. According to a systematic framework, the study makes use of books,

peer-reviewed journal articles, policy reports, and databases such as Google Scholar, ERIC (Education Resources Information Center), Scopus, and Web of Science.

ANALYSIS & DISCUSSION:

Data analysis simplifies complex data into understandable terms (Kothari, 2004). It enhances the clarity of the process and facilitates effective examination of the data. In this study, the researcher will analyze the data according to the research question.

1. How does the integration of the Indian knowledge system within school education promote holistic development?

The Indian knowledge system refers to our traditional education system, which focuses on the holistic development of learners. In this study, the researcher will analyze how the Indian knowledge system is integrated into school education to promote holistic development among students. Every learner needs to be aware of this system to foster their overall growth.

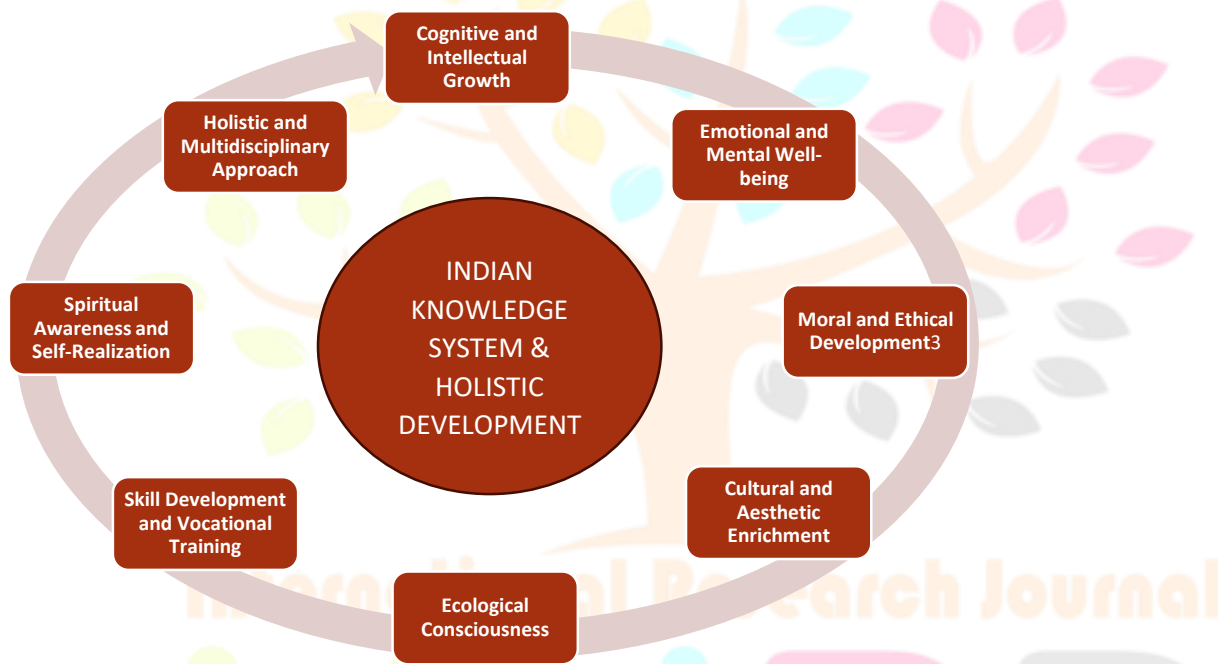


Figure 1: major ways of IKS for promoting holistic development

1.1. Cognitive and Intellectual Growth

The Indian Knowledge System encompasses significant contributions in various fields, including mathematics, logic, astronomy, linguistics, and medicine. By incorporating ancient knowledge such as Vedic Mathematics, Nyaya (logic), and Ayurveda into the school curriculum, students can develop strong analytical, reasoning, and problem-solving skills. This approach fosters curiosity, creativity, and a scientific mind-set from an early age, aligning with the multidisciplinary and inquiry-based approach advocated by NEP 2020.

1.2. Emotional and Mental Well-being

Ancient Indian practices such as yoga, pranayama, and meditation are highly effective for promoting emotional balance and mental well-being. Incorporating these practices into the daily routines of students enhances self-awareness, emotional regulation, concentration, and stress management. By doing so, these practices help develop emotionally stable and focused individuals, contributing to their overall mental health and inner peace.

1.3. Moral and Ethical Development

The Indian philosophical tradition places significant emphasis on values and ethics, as seen in texts such as the Bhagavad Gita, the teachings of Lord Buddha and Mahavira, and the epics like the Ramayana and Mahabharata. These sources promote universal values such as truth, compassion, non-violence, honesty, and self-discipline. Integrating these ethical principles into education aids in character development and fosters morally responsible and socially aware citizens.

1.4. Cultural and Aesthetic Enrichment

India's rich artistic and cultural heritage—encompassing classical music, dance, literature, architecture, and folk traditions—plays an important role in students' aesthetic development and cultural awareness. Engaging with these art forms helps learners cultivate a sense of identity, pride in their heritage, and respect for cultural diversity. This engagement fosters emotional expression, creativity, and a heightened sensitivity to the world around them.

1.5. Ecological Consciousness

Traditional Indian knowledge emphasizes the importance of living in harmony with nature. Key concepts such as Panchabhutas (the five elements), Prakriti (nature), and the interconnectedness of all living beings highlight the significance of environmental balance and sustainable living. This approach encourages learners to develop a deep ecological consciousness and fosters environmentally responsible behavior in their daily lives.

1.6. Skill Development and Vocational Training

Indigenous Knowledge Systems (IKS) encompass a wealth of traditional skills, including pottery, weaving, carpentry, farming, and natural healing. By integrating these practices into school education, students acquire hands-on experience and vocational skills. This approach supports NEP 2020's focus on skill-based learning and equips learners for self-employment, entrepreneurship, and practical life challenges, particularly in rural and tribal communities.

1.7. Spiritual Awareness and Self-Realization

Spiritual teachings from Indian philosophy promote self-reflection, mindfulness, and inner harmony. They encourage individuals to explore questions of identity, purpose, and personal values. This exploration fosters inner strength, compassion, and a sense of higher purpose—essential qualities for developing a well-balanced personality and leading a meaningful life.

1.8. Holistic and Multidisciplinary Approach

The Indian Knowledge System (IKS) represents a holistic worldview that connects various disciplines, including science, philosophy, art, and ethics. By integrating IKS into education, we can achieve a well-rounded curriculum that balances academic knowledge with essential life skills, values, and creativity. This multidisciplinary approach not only prepares students for their careers but also equips them for life, fostering thoughtful, competent, and compassionate individuals.

Integrating the Indian Knowledge System into school education, as proposed in the National Education Policy 2020, fosters the development of the mind, emotions, and practical abilities of every learner. This approach goes beyond merely achieving academic excellence; it promotes the holistic development of an individual's personality—intellectually, emotionally, morally, physically, and spiritually—thereby establishing a strong foundation for comprehensive education.

2. What are the perceptions of school learners about the impact of the Indian knowledge system on their holistic development?

Holistic development includes the physical, mental, social, and moral growth of an individual. Modern education alone is insufficient for achieving holistic development in learners, as it often neglects aspects crucial for their overall mental well-being. Their views suggest that IKS fosters

holistic development, addressing not just academic excellence, but also emotional, ethical, physical, and cultural enrichment. In this study, the researcher will analyze how school learners perceive the impact of the Indian knowledge system on their holistic development.

Table 1: core learner perceptions of IKS

| Sl. No | Thematic Category | Descriptions |
|--------|--|---|
| 1 | Enhanced Cultural Identity and Self-Esteem | IKS helps learners connect with their heritage, boosting cultural pride and self-confidence. |
| 2 | Emotional and Mental Wellbeing | Practices like yoga and meditation enhance emotional balance, reduce stress, and improve focus. |
| 3 | Moral and Ethical Values | Indian epics and texts foster values like compassion, respect, and responsibility. |
| 4 | Environmental Awareness and Sustainability | Traditional ecological ideas develop students' environmental consciousness and responsibility |
| 5 | Skill Development and Practical Learning | Hands-on exposure to indigenous skills promotes creativity, problem-solving, and real-world learning. |
| 6 | Balanced Personality Formation | IKS nurtures all-round development-intellectual, emotional, moral, and social etc. |

The Indian Knowledge System (IKS) significantly contributes to students' personal development by enhancing their cultural identity, emotional well-being, and moral values. By reconnecting with their cultural roots through ancient Indian contributions in fields like mathematics, astronomy, and philosophy, students gain a sense of pride and belonging. Practices such as yoga, meditation, and mindfulness, integrated into the curriculum, improve emotional regulation and mental focus, helping students manage stress and maintain inner balance. Additionally, teachings from Indian epics and traditional texts like the *Bhagavad Gita* instill valuable ethical principles, guiding students toward compassion, responsibility, and right conduct.

IKS also nurtures a positive attitude towards nature and sustainability, with ecological philosophies like *Pancha Mahabhuta* and *Vasudhaiva Kutumbakam* promoting environmental responsibility. Practical learning through indigenous skills such as pottery, weaving, organic farming, and Ayurveda enriches students' creativity and problem-solving abilities, linking classroom knowledge with real-world applications. This holistic approach helps shape well-rounded individuals, balancing cognitive learning with physical health, emotional stability, and cultural understanding, ultimately fostering responsible, self-aware, and socially sensitive citizens.

School learners perceive the Indian Knowledge System as a transformative element in their educational journey. Far beyond being a collection of traditional knowledge, IKS is seen as a living framework that nurtures holistic development by harmonizing intellect with emotion, ethics with action, and tradition with innovation. These perceptions highlight the relevance and necessity of IKS in fostering complete human development in the 21st-century educational landscape.

FINDINGS:

The integration of the Indian Knowledge System (IKS) into school education has significantly enhanced students' cultural identity, emotional well-being, and moral development. Learners have reported a deeper sense of pride and self-esteem through exposure to India's ancient contributions in areas such as mathematics, astronomy, and philosophy (Savita & Sharma, 2024; Isser et al., 2024). Practices like yoga, pranayama, and meditation are viewed as effective tools for emotional regulation and cognitive enhancement, aligning with the goals of NEP 2020.

The inclusion of ethical teachings from epics like the Bhagavad Gita, Ramayana, and Jataka Tales has helped students develop qualities such as compassion, truthfulness, and respect, thereby fostering moral growth (Gohil, 2024; Isser et al., 2024). Additionally, IKS has contributed to ecological awareness, skill development, and overall personality formation. Learners have gained a strong sense of environmental responsibility through concepts like Pancha Mahabhuta (the five great elements) and Vasudhaiva Kutumbakam (the world is one family) (Savita & Sharma, 2024). Engaging in traditional skills such as pottery, organic farming, and Ayurveda has promoted creativity, practical learning, and vocational competence (Gohil, 2024). Students view IKS not just as traditional content but as a holistic educational approach that balances intellectual, emotional, and spiritual growth, fostering lifelong learning and meaningful living (Savita & Sharma, 2024; NEP 2020). These findings strongly support the integration of IKS into modern education to achieve comprehensive human development.

CONCLUSION:

The incorporation of the Indian Knowledge System into school education is a crucial step toward fostering a balanced and holistic approach to learning, as envisioned by NEP 2020. This study concludes that Indigenous Knowledge Systems (IKS) significantly enhance the educational experience by nurturing students intellectually, emotionally, morally, culturally, and spiritually. Learners gain enhanced self-awareness, a sense of cultural identity, and a strong ethical foundation while also developing practical life skills and ecological awareness. The insights gathered indicate that students perceive Indigenous Knowledge Systems (IKS) as a transformative force in education, effectively bridging the gap between ancient wisdom and modern needs. As India aims to create a future-ready education system rooted in its cultural heritage, IKS serves as a powerful tool for fostering responsible, reflective, and resilient citizens. Therefore, incorporating IKS into the mainstream curriculum is not only culturally essential but also educationally enriching for holistic human development.

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