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“IMPORTANCE AND APPLICATION OF YUKTI PRAMANA: AN EXPLORATION OF ANCIENT INDIAN LOGIC AND REASONING”

Dr. Ajit Vijaykumar Patil¹

1. Asso. Professor, Samhita Siddhant,
Loknete Rajarambapu Patil Ayurvedic Medical College, Hospital, PG Institute &
Research Centre, Islampur

Corresponding Author email id:

ajitpatil23@gmail.com

Abstract:

Yukti Pramana, a significant aspect of Indian philosophical tradition, encompasses the principles of logic and reasoning. This research article delves into the historical importance and contemporary applications of Yukti Pramana. By examining ancient Indian texts and analyzing its relevance in the modern world, this article highlights how Yukti Pramana continues to be a valuable tool in promoting critical thinking and problem-solving.

Keywords –

Yukti Pramana, Indian Philosophy, Logic and Reasoning, Critical Thinking, Contemporary Applications, *Nyaya Sutras*.

1. INTRODUCTION:

Yukti Pramana, also known as "The Science of Logic," is a cornerstone of Indian philosophy.¹ It is the art of reasoning, argumentation, and employing logical methods to analyze various aspects of existence.² The term "yukti" translates to "reason" or "logic" in Sanskrit. Yukti Pramana is deeply rooted in ancient Indian philosophical systems and has influenced various disciplines, including science, mathematics, linguistics, and ethics. This research article explores the historical significance of Yukti Pramana and its contemporary applications, showcasing its enduring relevance in the pursuit of knowledge.

2. Historical Importance of Yukti Pramana:

The roots of *Yukti Pramana* can be traced back to ancient Indian texts, such as the Nyaya Sutras, authored by sage Gautama.³ The Nyaya school of thought played a pivotal role in formulating systematic logical analysis and promoting the importance of debate and discussion to ascertain truth. Yukti Pramana's prominence further expanded with the development of other schools of philosophy like Vaisheshika and Mimamsa, which contributed to its growth and refinement.

Yukti Pramana not only enhanced philosophical debates but also found application in fields such as mathematics through Aryabhata's work on algebra and the concept of zero.⁴ Moreover, it played a significant role in the formulation of the Indian legal system, where the principles of logic and reasoning were employed to establish just and fair judgments.⁵

3. Theoretical Foundations of Yukti Pramana:

Yukti Pramana primarily relies on the Nyaya system's theory of inference, which is based on five elements: Pratijna (proposition), Hetu (reason), Udaharana (example), Upanaya (application), and Nigamana (conclusion). These elements form the basis of sound logical arguments and are crucial to arriving at valid and accurate conclusions.

4. Contemporary Applications of Yukti Pramana:

4.1. Critical Thinking and Problem-Solving:

In the modern world, the ability to think critically and solve complex problems is highly valued. Yukti Pramana provides a systematic approach to analyzing issues and arriving at well-founded conclusions. It encourages individuals to question assumptions, evaluate evidence, and recognize fallacious reasoning, thereby promoting intellectual rigor.

4.2. Artificial Intelligence and Computer Science:

The principles of logic and reasoning from Yukti Pramana find applications in artificial intelligence and computer science. Logical programming languages and algorithms draw inspiration from the structure of Indian logic, enabling machines to make deductions and decisions based on logical rules.

4.3. Decision-Making and Ethics:

Yukti Pramana offers a rational framework for ethical decision-making. By employing logical analysis, one can evaluate the consequences of actions and make morally informed choices.

5. CONCLUSION:

Yukti Pramana, an integral part of Indian philosophical heritage, holds immense importance as a systematic and logical method of analysis. Its historical significance and enduring applications in contemporary fields emphasize its timeless relevance. As societies continue to seek knowledge and wisdom, Yukti Pramana remains a valuable tool in fostering critical thinking and rational inquiry.

REFERENCES:

1. B. K. Matilal, "The Character of Logic in India," Oxford University Press, 1998.

2. Daya Krishna, "Indian Philosophy: A Counter Perspective," Oxford University Press, 2005.

3. V. N. Jha, "Nyaya Sutras of Gautama," Motilal Banarsidass Publishers, 2007.

4. Subhash Kak, "The Wishing Tree: Presence and Promise of India," Centre for Indic Studies, University of Massachusetts Dartmouth, 2008.

5. Jonardon Ganeri, "The Lost Age of Reason: Philosophy in Early Modern India 1450-1700," Oxford University Press, 2011.