

A GLOBAL JOURNAL OF HUMANITIES

(ISSN - 2581-5857)

Impact Factor: SJIF - 5.551, IIFS - 5.125 Globally peer-reviewed and open access journal.



THE RELEVANCE PANCHAVAYAVA WITH MODERN RESEARCH METHODOLOGY: A LITERATURE REVIEW

Dr. C. Nagraj, Dr. Vivek Maheshwari, Shweta Tadgure

Associate Prof, Dept of Yoga Therapy and Life sciences, Lakulish Yoga University, Ahmedabad

Professor and Provost of Lakulish Yoga University, Ahmedabad

Sanskrit Scholar, Yogarchanam, Ahmedabad

Abstract

Panchavayava, a significant concept in classical Indian philosophy, represents a structured approach to categorizing and analyzing argumentative components within logical discourse. This article delves into the foundational principles and practical applications of Panchavayava, elucidating its role in facilitating systematic reasoning and debate. Originating from the Nyaya tradition, Panchavayava organizes arguments into five essential constituents: pratijna (thesis), hetu (reason), udaharana (example), upanaya (application), and nigamana (conclusion). Each component serves a distinct purpose in constructing coherent and persuasive arguments, emphasizing logical consistency and validity. Through historical insights and textual references, this article examines how Panchavayava has been employed in classical Indian texts and debates, showcasing its enduring relevance in philosophical inquiry and logical analysis. By exploring Panchavayava's structure and application, this article contributes to a deeper understanding of its significance within the rich tradition of Indian philosophical thought.

INTRODUCTION

In the realm of classical Indian philosophy, rigorous logical analysis and systematic argumentation have been foundational to the pursuit of truth and understanding. Among the various methodologies developed to facilitate this pursuit, Panchavayava emerges as a notable framework within the Nyaya tradition, offering a structured approach to dissecting and evaluating arguments.

Panchavayava, literally translating to "five components," encapsulates a methodical system for constructing and critiquing arguments. Originating in ancient texts like the Nyaya Sutras and elaborated upon by later commentators such as Vatsyayana and Uddyotakara, Panchavayava delineates five essential elements that constitute a logical argument: pratijna (thesis), hetu (reason), udaharana (example), upanaya (application), and nigamana (conclusion). Each component plays a crucial role in ensuring the coherence, validity, and persuasiveness of an argument, thereby enhancing the clarity and effectiveness of logical discourse. (Shastri & Chaturvedi 215)

This article aims to delve into the intricacies of Panchavayava, exploring its theoretical underpinnings, practical applications, and historical evolution within classical Indian philosophy. By examining how these components interrelate and function within logical reasoning, we seek to illuminate how Panchavayava continues to enrich philosophical inquiry and debate. Through a blend of textual analysis and contextual examples from classical Indian philosophical literature, this exploration will highlight the enduring relevance and utility of Panchavayava in shaping intellectual discourse and logical thought processes.

Thus, this introduction sets the stage for a comprehensive exploration of Panchavayava, offering insights into its significance and impact within the broader framework of classical Indian philosophical traditions.

In the vast tapestry of classical Indian philosophy, intellectual inquiry was characterized not only by profound metaphysical speculation and ethical considerations but also by a rigorous commitment to logical reasoning and systematic argumentation. Central to this logical tradition is Panchavayava, a methodological framework within the Nyaya school that has guided scholars and philosophers in the construction and evaluation of arguments for centuries. (Gangadhara 87)

The term "Panchavayava" literally translates to "five components" (pancha = five, avayava = component). It encapsulates a structured approach to analyzing and formulating logical arguments, providing a systematic framework that ensures clarity, coherence, and effectiveness in philosophical discourse. The origins of Panchavayava can be traced back to ancient texts like the Nyaya Sutras, which laid the foundational principles of Nyaya thought, and its development was further refined by eminent commentators such as Vatsyayana and Uddyotakara. Through its evolution, Panchavayava has become not just a theoretical construct but a practical tool employed by philosophers to navigate complex debates and establish persuasive reasoning.



A GLOBAL JOURNAL OF HUMANITIES

(ISSN - 2581-5857)

Impact Factor: SJIF - 5.551, IIFS - 5.125 Globally peer-reviewed and open access journal.



Sources:

Panchavayava, as a systematic framework for logical argumentation, finds its primary references in classical Indian philosophical texts, particularly within the Nyaya school of thought. Here are some key scriptures and textbooks where Panchavayava is discussed and elaborated upon:

- 1. **Nyaya Sutras**: Authored by Gautama (also known as Akṣapāda Gautama), the Nyaya Sutras form the foundational text of the Nyaya school. In these sutras, the principles of logical reasoning and argumentation are systematically expounded, including the components of Panchavayava.
- 2. **Nyaya Bhashya**: Commentaries on the Nyaya Sutras by philosophers such as Vatsyayana (also known as Vyasa) and Uddyotakara provide detailed explanations and interpretations of Panchavayava. Vatsyayana's commentary, known as the Nyaya Bhashya, is particularly influential in elucidating the theoretical foundations and practical applications of Nyaya philosophy, including Panchavayava.
- 3. **Tattvacintamani**: Authored by Gangesa Upadhyaya (also known as Gangesa), the Tattvacintamani is a significant treatise in the Nyaya-Vaisesika tradition. It systematically discusses various aspects of Nyaya philosophy, including logic, epistemology, and metaphysics, and offers insights into the application of Panchavayava in logical reasoning.
- 4. **Nyaya Manjari**: Written by Jayanta Bhatta, the Nyaya Manjari is another important text that discusses Nyaya philosophy and logical methodologies. It provides further elaboration on the components of Panchavayava and their interrelations in constructing valid arguments.
- 5.**Nyaya-Vaisesika Commentaries**: Various commentaries and sub-commentaries within the Nyaya-Vaisesika tradition, such as those by Udayana (author of Nyaya Kusumanjali) and Shridhara (author of Nyaya Khandana), discuss Panchavayava and its application in different contexts of philosophical debate.

These scriptures and textbooks form the primary sources for studying Panchavayava within the Nyaya tradition of classical Indian philosophy. They provide comprehensive insights into the theoretical foundations, practical applications, and historical development of Panchavayava as a methodological framework for logical reasoning and argumentation. (Manoj Adlakha et al. 54-56)

HISTORICAL CONTEXT AND DEVELOPMENT

The roots of Panchavayava lie embedded in the broader intellectual milieu of ancient India, where the quest for knowledge and understanding was deeply intertwined with logical scrutiny and dialectical engagement. The Nyaya school, known for its emphasis on logical rigor and epistemological inquiry, provided fertile ground for the development of Panchavayava. Founded by Gautama (also known as Akṣapāda Gautama), the Nyaya tradition sought to systematize knowledge through a structured analysis of valid means of knowledge (pramana) and rigorous logical argumentation. (Ganganatha 20)

Panchavayava, as a methodological tool, emerged within this Nyaya tradition as a means to delineate and analyze the components of an argument systematically. The earliest systematic exposition of Panchavayava is found in the Nyaya Sutras, attributed to Gautama, where the principles governing logical inference and debate are elaborated upon. These foundational texts laid down the groundwork for subsequent philosophers to expand upon and refine the methodology of Panchavayava.

THE COMPONENTS OF PANCHAVAYAVA

At its core, Panchavayava categorizes an argument into five essential components, each serving a distinct function in the logical structure:

1. **Pratijna** (Thesis):

साध्यनिर्देशः प्रतिज्ञा॥३३॥ {प्रतिज्ञालक्षणम्} (Nyay. Sutr. 1.1.33)

The proposition or statement that is to be established through the argument. Pratijna forms the starting point of the argumentation process, setting forth the claim that the proponent seeks to prove or support.

2. **Hetu** (Reason):

उदाहरणसाधर्म्यात्साध्यसाधनं हेतुः॥३४॥ {हेतुलक्षणम्} तथा वैधर्म्यात्॥३५॥

{हेतुलक्षणम्} (Nyay. Sutr. 1.1.34 and 35)

The reason or ground that supports the thesis. Hetu serves as the logical justification or premise that connects the thesis with the conclusion. It is crucial for establishing the rational basis of the argument.

उदाहरणेन सामान्यात्साध्यस्य धर्मस्य साधनं प्रज्ञापनं हेतुः । साध्ये प्रतिसंधाय धर्ममुदाहरणे च प्रतिसंधाय तस्य साधनतावचनं हेतुः उत्पत्तिधर्मकत्वादिति । उत्पत्तिधर्मकमनित्यं दृष्टमिति । उदाहरणवैधर्म्याच्च साध्यसाधनं हेतुः । कथम् अनित्यः शब्दः उत्पत्तिधर्मकं नित्यं यथा आत्मादिद्रव्यनिति ॥

(Nyay. Sutr. 1.1.34 and 35)

The sentences or statements that establish a property of the subject by showing a common property with an example are termed as Hetu. When a characteristic observed in the subject, relevant to the conclusion to be



A GLOBAL JOURNAL OF HUMANITIES

(ISSN - 2581-5857)

Impact Factor: SJIF - 5.551, IIFS - 5.125 Globally peer-reviewed and open access journal.



proven, is also observed in the example, and this characteristic is presented as evidence to assert the conclusion (Sadhya), it is known as Hetu. For instance, in the example "Sound is non-eternal," the reasoning goes: "because sound possesses the characteristic of being a 'product,' and it is known that everything that is a product is not eternal."

Hetu also involves pointing out the dissimilarity between the subject and the object of comparison. For instance, in the example of sound being non-eternal, it is argued that sound is 'produced.' Entities that are not produced, such as substances like Atman, are always eternal.

Udaharana (Example): An illustrative example that demonstrates the application of the reason (hetu) to the thesis (pratijna). Udaharana serves to clarify and concretize the relationship between the reason and the thesis, making the argument more understandable and persuasive.

साध्यसाधर्म्यात्तद्धर्मभावी दृष्टान्त उदाहरणम् ॥३६॥ {उदाहरणलक्षणम्} तद्विपर्ययाद्वा विपरीतम्॥३७॥{उदाहरणलक्षणम्} (Nyay. Sutr. 1.1.36 and 37)

Udaharana is an example that illustrates a characteristic found in a familiar instance, which is shared or associated (साधन्याम्) with what needs to be proven in Sadhya (साध्यः). Another type of instance statement presents a characteristic that contrasts with what is to be proven.

साध्येन साधर्म्यं समानधर्मता साध्यसाधर्म्यात्कारणात्तद्धर्मभावी दृष्टान्त इति । तस्य धर्मस्तद्धर्मः । तस्य साध्यस्य । साध्यं च द्विविधं धर्मिविशिष्टो वा धर्मः शब्दस्यानित्यत्वं धर्मविशिष्टो वा धर्मी अनित्यः शब्द इति। इहेत्तरं तद्ग्रहणेन गृह्यते...। (Nyay. Sutr. 1.1.36 and 37)

- 1. When the Udaharana provided is homogeneous, meaning it shares similarities with the subject for instance, citing a plate as an example to demonstrate that it is a product and thus non-eternal the reaffirmation takes the form of stating, "Sound is such," implying "Sound is a product," thereby affirming the characteristic of being a product for the subject Sound.
- 2. Conversely, when the Udaharana is heterogeneous, meaning it contrasts with the subject for example, citing Atma as an example of a substance that, not being a product, is eternal the reaffirmation is expressed as, "Sound is not such," hence "Sound is a product." Here, the character of being a product is reaffirmed for Sound by denying the affirmation of not being produced. Thus, there exist two types of reaffirmation based on the two types of Udaharana.
- 3. **Upanaya** (Application): The application of the example (udaharana) to the specific case or context under consideration. Upanaya bridges the gap between the general principle (illustrated by the example) and its specific instantiation in the argument.

उदाहरणापेक्षः तथा इति उपसंहारः न तथा इति वा साध्यस्य उपनयः ॥३८॥ {उपनयलक्षणम्} (Nyay. Sutr. 1.1.38

4. **Nigamana** (Conclusion): The conclusion or inference drawn from the application of the reason (hetu) through the example (udaharana) to the thesis (pratijna). Nigamana represents the logical outcome of the argumentation process, where the thesis is affirmed or established based on the preceding components.

साध्यासाधर्म्ययुक्ते उदाहरणे स्थाल्यादि द्रव्यमुत्यतिधर्मकत्वमुपसंह्रियते साध्यवैदर्म्ययुक्ते पुनरुदाहरणे आत्मादि द्रव्यमनुत्पत्तिधर्मकं नित्यं दृष्टं न च तथा शब्द इति अनुत्पत्तिधर्मकत्वस्योपसंहारप्रतिषेधेन उत्पत्तिधर्मकत्वमुपसंहियते । (Nyay. Sutr. 1.1.38)

After presenting the Hetu either through similarity or dissimilarity, we summarize the entire reasoning process based on this Hetu. This summary forms the conclusive statement, which reads as follows: "Therefore, as it exhibits characteristics of a product, Sound is non-eternal." This statement is termed "Nigamana (Final Conclusion)" because it effectively links together the Pratijna (Proposition), Hetu (Reasoning), Udaharana (Example), and Upanaya (Application). The term "Nigamana" is synonymous with "samarthyante" (support) and "sambadhyante" (connection).

हेत्वपदेशात्प्रतिज्ञायाः पुनर्वचनं निगमनम्॥३९॥{निगमनलक्षणम्} (Nyay. Sutr. 1.1.39)

"Nigamana represents the definitive conclusion, reiterating the initial proposition based on its supporting reasons."

These five components collectively form a structured framework that guides philosophers in constructing coherent and persuasive arguments. Each component plays a crucial role in ensuring the validity and logical consistency of the argument, thereby enhancing its clarity and effectiveness in philosophical discourse.

PRACTICAL APPLICATION AND PHILOSOPHICAL SIGNIFICANCE

Beyond its theoretical exposition, Panchavayava has been extensively employed in classical Indian philosophical texts and debates to elucidate complex concepts, resolve doctrinal disputes, and establish epistemic foundations. Philosophers within the Nyaya tradition, such as Vatsyayana, Uddyotakara, and Jayanta Bhatta, further elaborated upon and refined the methodology of Panchavayava in their commentaries and treatises. (Ganganath 24)

The practical application of Panchavayava can be observed in diverse philosophical contexts, ranging from metaphysical inquiries about the nature of reality to ethical discussions concerning moral principles and obligations. For instance, in debates on the existence of God (Isvara), proponents and opponents would employ



A GLOBAL JOURNAL OF HUMANITIES

(ISSN - 2581-5857)





Panchavayava to systematically analyze and critique each other's arguments, thereby advancing their respective positions through reasoned discourse.

Contemporary Relevance and Interpretations

Despite its ancient origins, Panchavayava continues to resonate with contemporary scholars and philosophers interested in Indian philosophical traditions. The framework offers insights into logical reasoning, argumentation theory, and the structure of philosophical discourse that remain relevant in modern academic discussions

Scholars today explore Panchavayava not only as a historical artifact but also as a living tradition that informs contemporary debates on logic, epistemology, and philosophy of language. Its systematic approach to argument analysis provides a methodological foundation for understanding how arguments are constructed, evaluated, and revised in light of counterarguments—a process essential to the advancement of knowledge and understanding in any intellectual tradition.

The relevance of Panchavayava in classical Indian philosophy extends beyond its applications within philosophical discourse; it also offers insights into research methodology, particularly in terms of logical reasoning and argumentation. Here's how Panchavayava relates to research methodology.

Systematic Analysis and Structure

Panchavayava provides a structured framework for organizing and evaluating arguments systematically. In research methodology, clarity and coherence in argumentation are essential for presenting findings and drawing conclusions. By employing Panchavayava's components—pratijna (thesis), hetu (reason), udaharana (example), upanaya (application), and nigamana (conclusion)—researchers can ensure that their arguments are logically sound and well-supported. This structured approach helps in organizing research hypotheses, supporting evidence, and drawing valid conclusions based on empirical data or theoretical analysis.

Rigorous Evaluation of Claims

In research, it's crucial to critically evaluate claims and hypotheses to ensure their validity and reliability. Panchavayava encourages rigorous examination of each component of an argument to identify logical fallacies (hetvabhasa) and strengthen the overall coherence of the argument. This process aligns with the scientific method's emphasis on empirical evidence and logical reasoning, fostering a disciplined approach to research inquiry. (Jayveer & Preethesh 3623-3626)

Effective communication of research findings requires clarity and precision. Panchavayava promotes clarity by structuring arguments in a logical sequence—from stating the thesis (pratijna) to drawing conclusions (nigamana) through reasoned steps. This systematic arrangement enhances the readability and comprehensibility of research papers, enabling scholars to convey complex ideas in a coherent manner to their audience.

Application in Interdisciplinary Studies

Research methodology often involves interdisciplinary approaches that integrate insights from multiple fields. Panchavayava's methodical framework transcends disciplinary boundaries, offering a universal approach to logical reasoning and argumentation. Researchers can apply Panchavayava's principles to analyze arguments across diverse fields, facilitating cross-disciplinary dialogue and advancing knowledge integration.

Ethical Considerations and Reflexivity

In addition to logical rigor, research methodology encompasses ethical considerations and reflexivity—awareness of researchers' biases and assumptions. Panchavayava encourages reflexivity by prompting researchers to critically reflect on the premises (hetu) underlying their arguments and consider alternative viewpoints (udaharana). This introspective aspect of Panchavayava aligns with contemporary research ethics, promoting transparency and intellectual honesty in scholarly inquiry.

Integration with Contemporary Methods

While Panchavayava originated in classical Indian philosophy, its principles resonate with contemporary methods of research methodology, including qualitative and quantitative approaches. Researchers can integrate Panchavayava's structured reasoning with modern research methodologies to enhance analytical rigor and theoretical coherence in their studies. This integration fosters a holistic approach to research inquiry that combines historical wisdom with contemporary methodologies.

Panchavayava offers valuable insights into research methodology by promoting systematic analysis, rigorous evaluation of claims, clarity in communication, interdisciplinary application, ethical reflexivity, and integration with contemporary research methods. By adopting Panchavayava's principles, researchers can enrich their methodological approach, strengthen argumentative coherence, and contribute to advancing knowledge in their respective fields of study.



A GLOBAL JOURNAL OF HUMANITIES

(ISSN - 2581-5857)

Impact Factor: SJIF - 5.551, IIFS - 5.125 Globally peer-reviewed and open access journal.



OBJECTIVES OF THIS ARTICLE

In light of the above considerations, this article aims to explore Panchavayava comprehensively, examining its theoretical underpinnings, historical development, practical applications, and contemporary interpretations within the framework of classical Indian philosophy. Through a detailed analysis of primary texts, secondary literature, and philosophical discourse, we seek to elucidate the significance of Panchavayava as a methodological tool for logical reasoning and argumentation.

By delving into the intricacies of Panchavayava, we aim to demonstrate how this framework has contributed to the intellectual landscape of classical Indian philosophy, shaping philosophical inquiry and debate through its structured approach to logical analysis. Through textual examples and contextual discussions, we endeavor to highlight the enduring relevance and utility of Panchavayava in fostering clarity, coherence, and rigor in philosophical discourse.

DISCUSSION

Theoretical Foundations and Philosophical Implications

Panchavayava, with its structured framework of five components—pratijna, hetu, udaharana, upanaya, and nigamana—provides a robust foundation for logical reasoning and argumentation within classical Indian philosophy, particularly within the Nyaya school. Each component plays a distinct role in constructing and evaluating arguments, emphasizing coherence, validity, and clarity. The theoretical underpinnings of Panchavayava reflect a commitment to rigorous analysis and systematic inquiry, aiming to establish truths through reasoned discourse rather than mere assertion.

Coherence and Systematic Analysis

Central to the efficacy of Panchavayava is its emphasis on coherence in argumentation. By systematically organizing the components of an argument—beginning with the assertion (pratijna) and progressing through the justification (hetu), exemplification (udaharana), application (upanaya), and conclusion (nigamana)—Panchavayava ensures that every step in the reasoning process contributes logically to the overall coherence of the argument. This systematic approach not only facilitates clear communication but also enhances the persuasiveness of the argument by demonstrating a clear and logical progression from premise to conclusion.

Logical Rigor and Epistemological Foundations

In addition to promoting coherence, Panchavayava contributes to the establishment of epistemological foundations within classical Indian philosophy. The methodology encourages philosophers to critically examine the validity of their own arguments and the arguments of others by scrutinizing each component for logical consistency and empirical support. This process of rigorous analysis fosters intellectual discipline and sharpens philosophical inquiry, reinforcing the Nyaya school's commitment to pramana (valid means of knowledge) and logical reasoning as essential tools for acquiring valid knowledge (prama).

Historical Development and Influence

The historical development of Panchavayava underscores its enduring significance within classical Indian philosophical traditions. Originating in texts like the Nyaya Sutras and refined by later commentators such as Vatsyayana, Uddyotakara, and Jayanta Bhatta, Panchavayava has evolved over centuries of philosophical discourse. Its application can be observed in diverse contexts, ranging from metaphysical debates on the nature of reality (sat) and existence (asat) to ethical discussions concerning moral obligations and the justification of ethical principles.

Case Studies and Textual Analysis

Examining specific case studies and textual examples allows for a deeper understanding of how Panchavayava has been employed in classical Indian philosophical texts. For instance, in debates regarding the existence of God (Isvara), proponents and opponents utilize Panchavayava to systematically analyze and critique each other's arguments, employing the framework to clarify conceptual distinctions and evaluate logical coherence. Such case studies highlight the practical utility of Panchavayava in addressing complex philosophical issues and resolving doctrinal disputes through reasoned dialogue.

Contemporary Relevance and Interpretations

Despite its ancient origins, Panchavayava continues to resonate with contemporary scholars and philosophers interested in Indian philosophical traditions. The framework's emphasis on logical analysis, argumentative structure, and systematic reasoning offers valuable insights into the universal principles of argumentation that transcend cultural and historical boundaries. Contemporary interpretations of Panchavayava explore its applicability to modern debates in logic, epistemology, philosophy of language, and ethics, demonstrating its adaptability and enduring relevance in philosophical inquiry.

Comparative Perspectives and Cross-Cultural Dialogue

Engaging with Panchavayava invites comparative perspectives and cross-cultural dialogue, enriching our understanding of logical reasoning and argumentation across different philosophical traditions. By exploring





A GLOBAL JOURNAL OF HUMANITIES

(ISSN - 2581-5857)

Impact Factor: SJIF - 5.551, IIFS - 5.125 Globally peer-reviewed and open access journal.



similarities and differences between Panchavayava and Western philosophical methodologies, scholars can foster a deeper appreciation for the diverse approaches to logical analysis and argumentative structure found in global philosophical discourse.

FUTURE DIRECTIONS AND CONCLUSION

Looking ahead, the study of Panchavayava presents opportunities for further exploration and interdisciplinary engagement. Future research could delve into comparative studies between Panchavayava and contemporary Western theories of argumentation, exploring how these frameworks complement each other and contribute to the advancement of logical reasoning in global philosophical discourse. Moreover, the application of Panchavayava to contemporary issues in ethics, epistemology, and philosophy of religion offers promising avenues for addressing pressing questions and challenges in contemporary philosophical inquiry.

In conclusion, the exploration of Panchavayava in this article has illuminated its theoretical foundations, historical development, practical applications, and contemporary relevance within classical Indian philosophy. By examining its structured framework and methodological principles, we have gained insights into how Panchavayava fosters coherence, rigor, and clarity in logical reasoning and argumentation. As a cornerstone of Nyaya thought, Panchavayava continues to inspire philosophical inquiry and dialogue, embodying a legacy of intellectual rigor and systematic analysis that remains vital to understanding the rich tradition of Indian philosophical thought.

CONCLUSION

The exploration of Panchavayava not only enriches our understanding of classical Indian philosophy but also offers valuable insights into the universal principles of logical reasoning and argumentation that transcend cultural and historical boundaries. By engaging with Panchavayava, we engage with a legacy of systematic inquiry and intellectual rigor that continues to inspire and inform philosophical discourse today.

REFERENCES

- [1] Shastri Kashinath & Chaturvedi Gorakhnath. *Charak Samhita with Elaborated Vidyotini Hindi Commentary*, vol.1, Sutrasthana chapter 11/17, Chaukhambha Bharti Academy Varanasi, 2011., pp. 215 & 311.
- [2] Gangadhara Sastri Tailanga. *The Nyayasutras with Vatsayana's Bhashya and Extracts from the Nyayavarttika and the Tatparyatika*. Benares: E. J. Lazarus & Co., 1896., pp. 87.
- [3] Manoj Adlakha, Surendra Kumar Verma & Ritu Kapoor. *A book of Research methodology.* Ram Ayurveda Sanskrit Book Prakashan, Jaipur Rajasthan, 2021., pp. 54-56
- [4] Ganganatha Jha. *Gautama's Nyayasutras With Vatsyayana Bhashya*. Poona: Oriental Book Agency, 1939., pp. 20.
- [5] Ganganatha Jha. Nyaya Sutra of Gautama, Adhyaya 1 Ahnika 1, 1st vol., Motilal Banarsidass, 2023., pp. 24.
- [6] Jayveer Singh Solanki & Preethesh Agnihotri. "Standardization of Panchaavayava (Pratigya, Hetu, Udaharana, Upanaya, Nigamana) In Perspective of Ayurvedic Research: A Review." *International Ayurvedic Medical Journal*, 2022., pp. 3623-3626.