ORIGINAL RESEARCH PAPER
Volume - 14 | Issue - 04 | April - 2025 | PRINT ISSN No. 2277 - 8179 | DOI : 10.36106/ijsr
INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH

INNOVATIVE METHODOLOGY FOR TEACHING IN INDIAN KNOWLEDGE SYSTEM

Education

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ABSTRACT

The significance of integrating diverse knowledge systems to promote all-encompassing learning experiences is becoming more widely recognized in today's changing educational environment. This acknowledgment represents a change toward appreciating the diversity and depth of various knowledge traditions in order to give students well-rounded educational chances that cover a broad spectrum of viewpoints and ideas. In addition to recognizing the importance of varied knowledge, this strategy seeks to provide students with more inclusive and rich educational experiences so they may successfully navig ate and make significant contributions. to a world that is internationally interconnected. Deeply ingrained in India's cultural legacy, Indian Knowledge Systems (IKS) provide a wealt h of knowledge that includes ethical principles, traditional customs, and indigenous sciences. In order to give pupils a comprehensive and culturally rich educational experience, the Nation al Education Policy (NEP2020) seeks to include Indian knowledge systems into the mainstream educational system. This integration is intended to offer students a well-rounded and culturally enriched learning experience. By including elements of Indian knowledge systems in the curriculum, the policy aims to enhance students' understanding of India's cultural heritage and support their overall development. As educators, we find ourselves at a junction where tradition meets innovation, striving to adopt teaching methods that respect both ancient wisdom and modern learning requirements. This study explores how Indian knowledge systems can be seamlessly integrated into educational practices through the identification of various pedagogical techniques. These techniques are designed to help students develop cultural pride, critical thinking skills, and a deeper global perspective. By embracing teaching strategies that bridge the past with the present, we embark on a transformative journey that rejuvenates India's educational framework and fosters a culture of lifelong learning.

KEYWORDS

Indian Knowledge System, Teaching Methods

INTRODUCTION

Understanding the Indian Knowledge System (IKS):- The Indian Knowledge System is distinguished by its multidisciplinary nature and the integration of diverse knowledge forms. It includes:

1. Philosophy and Spirituality:
Indian philosophical traditions such as Vedanta, Buddhism, and Jainism provide valuable perspectives on ethics, metaphysics, and the essence of existence.
2. Sciences:
Traditional Indian disciplines like Ayurveda, Yoga, and Vastu Shastra are grounded in principles that promote
a harmonious relationship between humanity and nature.
3. Arts and Literature: The classical arts, music, dance, and literature of India highlight the cultural and emotional expressions of society.
4. Social Sciences: Concepts like Panchayati Raj and community living demonstrate indigenous insights into governance and social cohesion.

The NEP 2020: An Overview:- The National Education Policy 2020 represents a pivotal transformation in India's educational structure.

Its objectives include:

1. Promoting Holistic Development: The NEP underscores the importance of a comprehensive educational approach that encompasses academic, vocational, and life skills.
2. Encouraging Multidisciplinary Learning: By enabling students to select subjects from various disciplines, the NEP aims to dissolve the rigid distinctions between fields of study.
3. Incorporating Indian Knowledge Systems: The policy seeks to integrate traditional knowledge. and local cultural elements into the curriculum, thereby enhancing students' appreciation of their heritage.
4. Fostering Critical Thinking and Creativity: Emphasis is placed on cultivating students' abilities for critical and creative thinking, equipping them for the complexities of real world scenarios.

There are various innovative teaching methods,

DISCUSSIONS: -

Leading discussions can be one of the most rewarding, and most challenging, teaching methods.

Using discussions as a primary teaching method allows us to stimulate critical thinking.

Large group can be converted to small groups and activity can be conducted.

Brainstorming is used as one of the teaching methods. the students participate by responding or presenting views on the topic. This technique encourages new ideas among students.**Inquiry-Based Learning** starts from a place of questioning.

Students may spontaneously ask questions or be prompted to ask questions about a particular topic. They might search to find answers, engage in activities that will help them pursue answers, or work collaboratively in pursuit of answers.

Problem-based learning (PBL) is a student-centered approach in which students learn about a subject by working in groups to solve an open ended problem.

This problem is what drives the motivation and the learning

Case based learning: - Same as above. A case on clinical practice or any real-life situation.

Project-Based Learning: - Project-based learning requires students to spend an extended period of time (e.g., a week) on a single project.

Students will complete project with Learning objective and will present in class

Team-based learning (TBL) is a structured form of small-group learning that emphasizes student preparation out of class and application of knowledge in class

Flipped classroom: - Flipped classrooms involve asking students to complete the reading, preparation and introductory work at home. Video or presentations are supplied before the class. Then, during class time, the students will ask questions and participate in discussions.

Early Clinical Exposure (ECE) provides a clinical context and relevance to basic sciences learning. It also facilitates early involvement in the healthcare environmentthat serves as motivation and reference point for students, leading to their professional growth and development. It can be for healthy individuals or Patients. In a large classroom, it can be achieved by recorded videos, cases.

Simulation is also the pedagogical approach of providing students with the opportunity to practice learned skills in real-life situations. Simulation based learning allows students to apply abstract concepts to active hands-on practice. Practicing with mock or real patients in a dedicated clinical environment such as a clinical skills lab helps students learn to make appropriate decisions at various points within the scenario.

Role plays:- Role play is the basis of all dramatic activity. Role playing is a way of working through a situation, a scenario, or a problem by assuming roles and practicing what to say and do in a safe setting. It is effective way of learning cognitive, affective as well as communication.

Self-directed learning is the process through which an individual takes responsibility for their learning. This includes assessing the needs and readiness for learning, identifying learning goals, engaging in the learning process and self-evaluation. As apart of learning students are needs to acquire many essential skills by this methos. Many online tools, E learning portals, MOOC's related to syllabus are available. As per importance of topics nice to know topics can be selected for this method.

Workshops on few topics for can be good Teaching method. Skills development, communication skills, ethics and many other programme outcomes can be achieved with this method.

Game-Based Learning Students love games, game-based learning, which requires students to be problem solvers as they work on quests to accomplish a specific goal.

For students, this approach blends targeted learning objectives with the fun of earning points or badges, much like they would in a video game.

QR Codes

QR codes are two-dimensional barcodes that can be checked with a smartphone to quickly access information. QR codes simplify and expedite accessing digital resources, making them a versatile tool for sharing information in various contexts.

Using AI in Education

AI's ability to analyses student performance enables personalized learning paths, adapting to individual needs and pace. For example, an AI-powered adaptive learning platform can assess a student's strengths and weaknesses, offering targeted lessons and practice materials.

Integration of IKS into NEP 2020:-

The integration of the Indian Knowledge System (IKS) into the National Education Policy (NEP) 2020 is essential for several reasons:

1. Cultural Significance:- The integration of IKS within the educational framework enhances cultural pride and identity among learners. By engaging with their heritage, students gain an appreciation for the insights of ancient Indian scholars and thinkers, fostering a sense of belonging and respect for their cultural roots.
2. Sustainability and Environmental Consciousness:- Traditional Indian knowledge systems prioritize sustainability and harmonious coexistence with nature. By embedding these principles in the curriculum, students can acquire knowledge about
sustainable practices, biodiversity, and the significance of ecological balance—issues that are increasingly pertinent in contemporary climate change
3. Interdisciplinary Learning:- The NEP 2020 advocates for an interdisciplinary approach, wherein IKS can function as a connective thread across diverse fields of study. For example, merging Ayurveda with modern medical practices can enhance students' holistic understanding of health and wellness.
4. Skill Development:- By integrating traditional crafts, art forms, and practices into vocational training programs, the NEP can equip students with skills that are valuableto local economies. This initiative may also contribute to the revival of traditional arts and crafts, thereby promoting entrepreneurship and self-sufficiency

Challenges in Integrating IKS with NEP 2020:-

While the integration of the Indian Knowledge System into the NEP 2020 is a commendable initiative, several challenges must be addressed:

1. Lack of Standardization
2. Teacher Training
3. Resource availability 4.Resistance to change

Solutions to Address Challenges To overcome these challenges, several strategies can be employed:

1 Awareness Initiatives: Conduct workshops and seminars to promote understanding of the significance of Indigenous Knowledge Systems (IKS) in modern education and its connection to students' lives.

2Support from Government and Institutions: Obtain funding and resources from both governmental and non-governmental organizations to aid in the development of
curricula and training programs for educators.

3.Adaptability in Execution: Permit regional modifications of the IKS framework to reflect the various cultural backgrounds present throughout India.

CONCLUSION-

Adopting innovative teaching practices helps teachers remain flexible, creating an environment that nurtures interest and equips students with essential skills for success in an ever-evolving world.

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