

# Knowledge and Science in the Indian Knowledge System



**Dr. Lokesh Sharma**  
Principal,

Saraswati Shikshak Prashikshan  
Mahavidyalaya, Sardarshahar, Rajasthan  
Mobile no. - 7023894852  
Email - lokesheducation@gmail.com

## Abstract:

Indian knowledge system which has its roots basically derived from five main groups of ancient texts – Veda, Upveda, Vedanga, Purana and Darshana. These laid the foundation of ancient knowledge and science in India. On this foundation many scientists, mathematicians, philosophers and educationists built their works in the field of science. Indian mathematicians, astronomers, Physicists, chemical scientists, metallurgists, physicians, civil and military engineers and philosophers did some ahead of time discoveries and innovations. Some of this work remained hidden in texts and was rediscovered later by modern European scientists. The scientific knowledge within the Ancient Indian texts of Indian knowledge system represents a remarkable legacy of human inquiry and scientific development, characterized by its enormous scope and practical relevance.

**Key words:** Ancient Indian Texts, Scientific Knowledge, Legacy, Relevance.

## Introduction:

The knowledge and science of ancient India holds a significant place in the history of human development, inquiry and discovery. The German philosopher Gottfried von Herder once said, "The origin of mankind can be traced back to India where the human mind got its first shape of wisdom and virtue." Although there is enormous literature available related to ancient Indian knowledge but main ancient Indian texts

are divided broadly into the five groups – Veda (Rigveda, Yajurveda, Samveda and Atharvaveda), Upveda (Ayurveda, Arthveda, Sthapatyaveda, Gandhravaveda and Dhanurveda), Vedanga (Shiksha, Vyakarna, Chandas, Nirukta, Jyotisha and Kalpa), Purana (Brahma, Brahmanda, Brahma Vaivarta, Markandeya, Bhavishya, Vishnu, Bhagvat, Naradiya, Garuda, Padma, Varaha, Vamana, Kurma, Matsya, Shiva, Linga, Skanda and Agni) Itihasa with Purana includes Valmiki Ramayana and Mahabharata. And lastly Darshana (Nyaya, Vaisheshik, Sankhya, Yoga, Purva Mimansa and Uttara Mimansa with three non-orthodox schools- Jain, Buddha and Charvaka). These laid the foundation of ancient knowledge and science in India. On this foundation many scientists, mathematicians, philosophers and educationists built their works in the field of science. From the mathematical insights of Aryabhata to the Anu Siddhant of Maharshi Kanad and medical treatises of Charaka and Sushruta, Indian scholars have made enduring contributions to various fields of science. This paper aims to delve into the discoveries and epistemological foundations that underpin the scientific knowledge within the Indian knowledge.

## Mathematics, Physical Sciences and Astronomy:

Indian mathematicians made groundbreaking discoveries in algebra, geometry, and trigonometry, laying the foundation for modern mathematical concepts. Aryabhata in the 5th

# मोहिनी देवी गोयनका जार्ज वी.एड. कॉलेज

(INTERNAL QUALITY ASSURANCE CELL)



धरम्, लक्ष्मणगढ़ (सीकर) राज. 332315

एन.सी.टी.ई. द्वारा मान्यता प्राप्त एवं प. दी. उ. शेखावाटी विश्वविद्यालय, सीकर से सम्बद्धता प्राप्त



राष्ट्रीय संज्ञोष्ठी (23-24 अर्द्ध 2024)

राष्ट्रीय शिक्षा नीति 2020 : भारतीय ज्ञान परम्परा एवं आधुनिक शिक्षा

SPONSORED BY : INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH (ICSSR), NEW DELHI

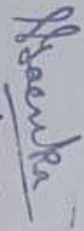
प्रमाण पत्र

प्रमाणित किया जाता है कि श्री / श्रीमती / सुश्री / डॉ. / प्रो. .... श्री देव शर्मा, ...., सन्तारि .....

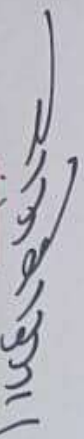
विभाग / महाविद्यालय / विश्वविद्यालय ..... सरस्वती विभाग, सुशिक्षण प्रशासनालय, सरसरोवर, चुरस .....

ने आयोजित दो दिवसीय राष्ट्रीय संगोष्ठी में प्रतिभागी / वक्ता / मुख्य वक्ता के रूप में भाग लिया तथा .knowledge and science.

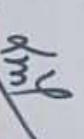
.in the indian knowledge system..... विषय पर पत्र-वाचन किया।

  
सरक्षक

एस.एस. गोयनका (अध्यक्ष)

  
संयोजक

डॉ. राकेश कुमार (प्राचार्य)

  
समन्वयक

डॉ. राकेश कुमार बडासरा (सहा. आचार्य)



Special Volume

May 2024

# CHHAVI

National Journal of Higher Education

ISSN No. : 2319-9679

Referred

May, 2024

## NATIONAL SEMINAR

Sponsored by : ICSSR, New Delhi

**NATIONAL EDUCATION POLICY : 2020**  
**INDIAN KNOWLEDGE LEGACY & MODERN EDUCATION**

23-24 May, 2024



Indian Council of  
Social Science Research



Editor  
Dr. Rakesh Kumar

Co-Editor  
Dr. Rakesh Kumar Badasara

Assistant Editor  
Miss. Anamika Yadav

Chief Editor : Prof. (Dr.) Rajendra Kumar Shrimali

Published By :

**Shubham Education and Information Center**

O/S Jassusar Gate, B/H Karni Mata Temple, Bikaner 334001, Raj.

Email : dr.rajendrashrimali@yahoo.in, Mob. : 94147-42973