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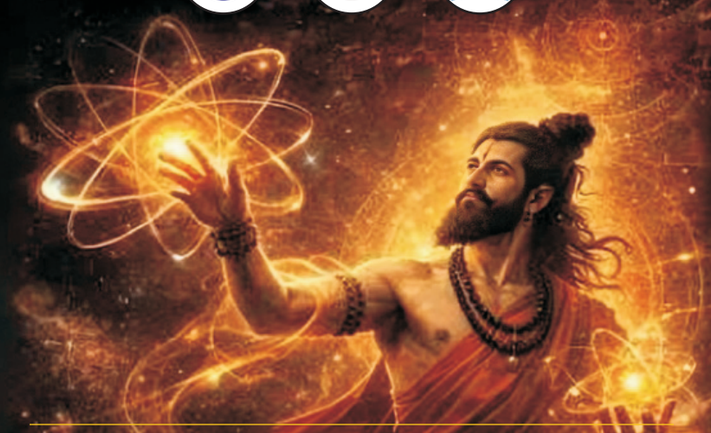
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NATIONAL CONFERENCE 2026



Paramanu to Quantum

Tracing the Evolution of **Physics** and **Mathematics** in Bhartiya Gyan Parampara

(परमाणु से क्वाण्टम : भारतीय ज्ञान परंपरा में भौतिकी और गणित के विकास की यात्रा)

Hybrid Mode

19th-20th November 2026

Organized by

Department of Physics & Electronics

and

Department of Mathematics

MATA GUJRI MAHILA MAHAVIDYALAYA

(AUTONOMOUS), JABALPUR (M.P.)

in

Association with

Mahakaushal Vigyan Parishad

Jabalpur (M.P.)

INVITATION

Dear Sir/Madam,

It gives us immense pleasure to cordially invite you to the National Conference on "Paramanu to Quantum: Tracing the Evolution of Physics and Mathematics in Bhartiya Gyan Parampara" to be organized by the Department of Physics, Electronics and Mathematics, Mata Gujri Mahila Mahavidyalaya, (Autonomous) Jabalpur in Association with Mahakaushal Vigyan Parishad on 19th-20th November 2026.



ABOUT MATA GUJRI MAHILA MAHAVIDYALAYA (AUTONOMOUS), JABALPUR

The college was established in the year 1994 by Guru Gobind Singh Educational Society, a pioneer in the field of education. The selfless devotion of the society members contributes to the education of women. The college is duly recognized by the UGC and is affiliated to Rani Durgawati Vishwavidyalaya, Jabalpur.

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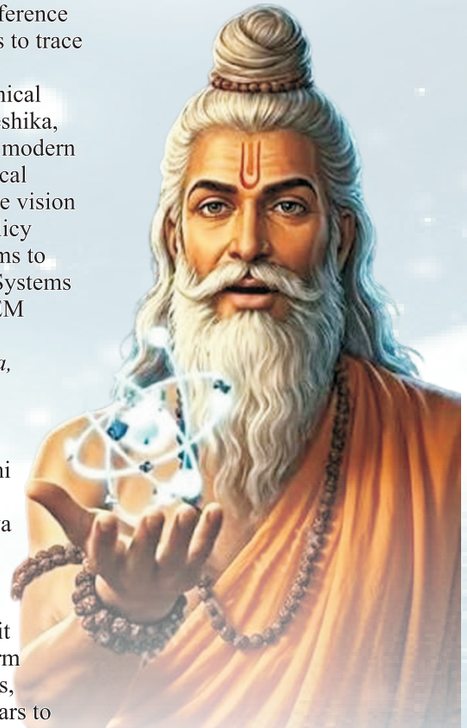
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ABOUT JABALPUR

Jabalpur, popularly known as Sanskardhani and is also the city of the "Marble Rock". It is known for its picturesque marble rock formation (Bheraghat) across the bank of river Narmada. Being the army headquarters of five states (M.P., Chhattisgarh, Odisha, Bihar and Jharkhand), one sixth of the city is occupied by the Indian Army. Jabalpur is said to be Tapasya Bhumi of Rishi Jabali, capital of the famous Tripuri Kingdom (9th and 10th centuries). It is also known for being the birth place of world famous spiritual leaders like Maharshi Mahesh Yogi and Shri Rajneesh. The city has evolved into a major educational hub with five Universities, a medical college, a veterinary college, 30 Government colleges, more than 100 private colleges, Research institutes like TFRI, SFRI and numerous Management and Technical Institutes. Jabalpur provides a strong army base with the Command Head Quarters and several Ordnance factories. It is an important junction for Indian Railway along with being the Headquarters of West Central Railway Zone.

OBJECTIVES

The primary objective of conference on "Paramanu to Quantum" is to trace the scientific continuity from foundational Indian philosophical frameworks— such as Vaisheshika, Nyaya, and Sulba Sutras—to modern quantum physics and theoretical mathematics. Aligned with the vision of the National Education Policy (NEP 2020), this initiative aims to integrate Indian Knowledge Systems (IKS) into contemporary STEM curricula, demystify Sanskrit Shastras *(such as Aryabhatiya, Siddhanta Shiromani, and Yuktibhasa)*, and reclaim the historical contributions of pioneer thinkers like Maharshi Kanada, Aryabhata, Brahmagupta, Bhaskaracharya and the Kerala School of Mathematics. By bridging traditional scholarship with mainstream modern science, it creates a collaborative platform for physicists, mathematicians, historians, and Sanskrit scholars to analyze and validate ancient algorithms, physical theories, and astronomical models through modern scientific rigor.



KEY FOCUS AREAS

Physics:

- Investigating early atomic insights from Kanada's Paramanuvada alongside modern quantum mechanics and cosmology, focusing on the concepts of ultimate indivisible particles (Paramanu), spatial dynamics, fundamental forces, observer-dependent phenomena, and non-binary logical structures.

Chemistry:

- Re-examining ancient Indian conceptualizations of matter, atomic combinations, transformation mechanisms (such as thermal and chemical process models like Paka-Prakriya), and early concepts of substance properties through the lens of modern chemical and materials science.

Mathematics:

- Exploring the evolution of the decimal place-value system, zero (Shunya), geometry from the Sulba Sutras, trigonometric functions (Jya and Kojya), combinatorics, and the early fundamentals of infinite series and calculus established by the Kerala School of Mathematics.

Computer Science:

- Analyzing computational algorithms embedded in Sanskrit texts and Siddhantic astronomy, non-binary logic traditions, observational data-processing models, and the algorithmic structure of Sanskrit grammar for applications in modern theoretical computer science and AI logic.

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