

National Workshop on Vedic Mathematics

(24–25 July, 2026)

Organized by: **Department of Mathematics, Jaypee University of Engineering & Technology, Guna**

Sponsored by: **Anusandhan National Research Foundation (ANRF)**

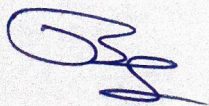
The Department of Mathematics, Jaypee University of Engineering and Technology, Guna, organized a two-day National Workshop on Vedic Mathematics on 24–25 July 2026, with financial support from the Anusandhan National Research Foundation (ANRF). The workshop aimed to highlight India's rich mathematical heritage and explore the relevance of traditional mathematical systems in contemporary education, research, computing, and technology.

The workshop focused on four major objectives: promoting awareness of India's mathematical heritage, developing computational skills and logical reasoning, exploring connections between traditional mathematics and modern fields such as artificial intelligence, data science, algorithm design, and mathematical modelling, and providing a platform for academic interaction among faculty members, researchers, and students.



The Inaugural Ceremony began at 10:00 a.m. in an atmosphere of academic dignity and cultural elegance. The proceedings were gracefully conducted by Dr. Divya Jain. The inaugural ceremony included the ceremonial lamp lighting and *Saraswati Vandana*. Convener Dr. Bali Ram Gupta welcomed the dignitaries and participants and highlighted the importance of connecting ancient mathematical knowledge with modern education. Prof. Vipin Tyagi, Dean (A&R), emphasized that Vedic Mathematics is a systematic approach that can promote creative thinking, analytical reasoning, and problem-solving abilities. Prof. D. K. Rai, Vice Chancellor, appreciated the efforts of the Department of Mathematics and emphasized the potential of mathematical traditions in improving computational efficiency and confidence among young learners.

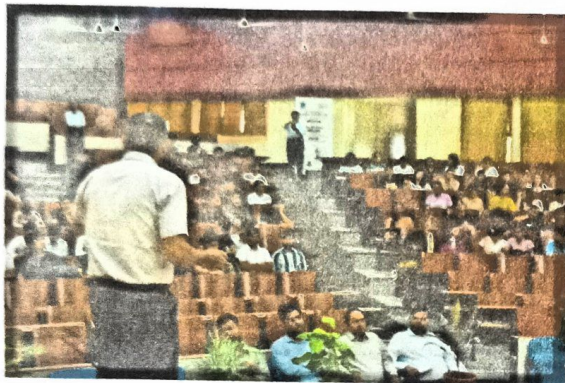
The technical sessions featured distinguished experts from reputed institutions. Dr. Venketeswara R. Pai, Associate Professor, IISER Pune, discussed “*Understanding Mathematics and Astronomy through Verses, Prose, and Phrases*.” He introduced traditional numerical encoding systems such as Bhūtasāṅkhyā, Āryabhaṭan, Kaṭapayādi, and Vākya, and discussed their application in preserving mathematical and astronomical knowledge.



Dr. Gajendra Pratap Singh, JNU, New Delhi, presented "*Decision Making and Pattern Recognition in Ancient Indian Mathematics.*" His lecture connected traditional mathematical concepts with modern computational thinking, including pattern recognition, algorithmic processes, numerical transformations, and decision-making.

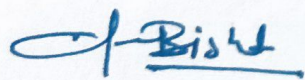
On the second day, Prof. Nidhi Handa, Gurukul Kangri University, Haridwar, delivered a lecture on "*Rediscover Indian Mathematical Achievements in Living Traditions.*" She discussed the Vedangas, Sulbasutras, geometry, measurement, and historical mathematical developments, including the Bakhshali method of square-root extraction.

Prof. Madhu Jain, IIT Roorkee, delivered a lecture on "*Ancient Indian Mathematics for Advanced Intelligence Computing.*" She explored the relevance of mathematical frameworks in areas such as intelligence computing, optimization, stochastic processes, mathematical modelling, and computer networks.



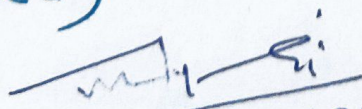
The workshop attracted 205 participants and received an overwhelmingly positive response. Feedback collected during the valedictory session reflected a high level of satisfaction among the participants, with most expressing their willingness to recommend future editions of the workshop to their peers. Overall, the organization, academic content, and execution of the workshop were highly appreciated, demonstrating its successful accomplishment of the intended objectives. The workshop was concluded with vote of thanks by the Co-convenor Dr. Vaibhav Bisht.

Overall, the workshop successfully provided a platform for understanding India's mathematical traditions and examining their relevance to contemporary scientific and technological developments. It encouraged academic interaction and demonstrated the potential of traditional mathematical knowledge to contribute to modern education, computational thinking, research, and interdisciplinary studies. The event was successfully conducted with the support of ANRF and the dedicated efforts of the Department of Mathematics, JUET, Guna.



(Dr. Vaibhav Bisht)


Dr. Bal Ram Gupta


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Registrar

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