

Seminar on IKS: NDLI Club Activity on 24th September 2026

Under the NDLI Club of RCC Institution of Information technology, a seminar was conducted on 24th September 2026 as a part of emphasizing India's past glory, and is eventually part of IKS lecture series. Dr. Satarupa Chatterjee delivered the talk on "Ancient India's Impact on Contemporary Mathematics" which offered a detailed examination of the impressive mathematical insights cultivated in ancient India and their significance in today's mathematical theories. The presentation emphasized the role of Indian mathematicians and intellectuals in



calculation techniques. Dr. Chatterjee elaborated on the development of ancient Indian mathematical practices through the contributions of notable figures like Aryabhata, Brahmagupta, Bhaskara, and Pingala, underlining their organized methods in tackling mathematical challenges. Specific focus was placed on the conceptualization and official recognition of zero as a numeral, the implementation of the decimal positional notation framework, strategies for addressing algebraic equations, and initial theories associated with trigonometric



Dr. Chatterjee highlighted the significance of ancient Indian mathematical principles in today's mathematics, science, and engineering fields. She illustrated how ideas that originated centuries ago have played a crucial role in the advancement of mathematical notation, computational methods, number theory, geometry, and celestial calculations, thus becoming a vital aspect of the extensive history of mathematics. The conversation inspired students to understand mathematics not just as a set of formulas and methods but as a field that continuously evolves through the exchange of knowledge among different cultures. By presenting historical examples and mathematical insights, the speaker



developing key mathematical principles, such as the decimal place-value system, the invention of zero, arithmetic operations, algebra, geometry, trigonometry, combinatorics, and numerical



functions. Additionally, the seminar investigated mathematical concepts present in ancient Indian literature, showing that mathematics was intricately linked to fields such as astronomy, calendar development, architecture, trade, and various practical uses.



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urged attendees to value India's extensive mathematical legacy while recognizing its role in the worldwide progression of mathematical understanding. The seminar was intellectually invigorating and significantly enhanced the participants' awareness of the historical roots of various mathematical ideas prevalent in modern education, science, technology, and engineering. In summary, the



program effectively merged historical context, mathematical logic, and current significance, encouraging students to delve into mathematics with increased curiosity and appreciation. A few snapshots of the event is attached herewith.

