Vidyabharti Trust College of Master in Computer Application (MCA, MBA & IMSc.IT), Umrakh

Approved by AICTE, New Delhi and Affiliated to GTU, Ahmedabad.

Webinar on Indian Knowledge System

On the 6th and 7th of May 2025, Vidyabharti Trust College of MCA, Umrakh, Bardoli successfully conducted a two-day online webinar focusing on the Indian Knowledge System for its MCA students. The initiative aimed to introduce and explore the foundational scientific, mathematical, and philosophical concepts rooted in ancient Indian traditions. The event drew an enthusiastic response, with around 100 students actively participating through the virtual platform.

The keynote speaker for the webinar was Ms. Hema V. Vanar, an esteemed Associate Professor from SAL Institute of Technology & Engineering Research, Ahmedabad. With her extensive academic experience and deep interest in traditional Indian scientific thought, Ms. Vanar delivered an insightful and thought-provoking series of sessions that captivated the audience.

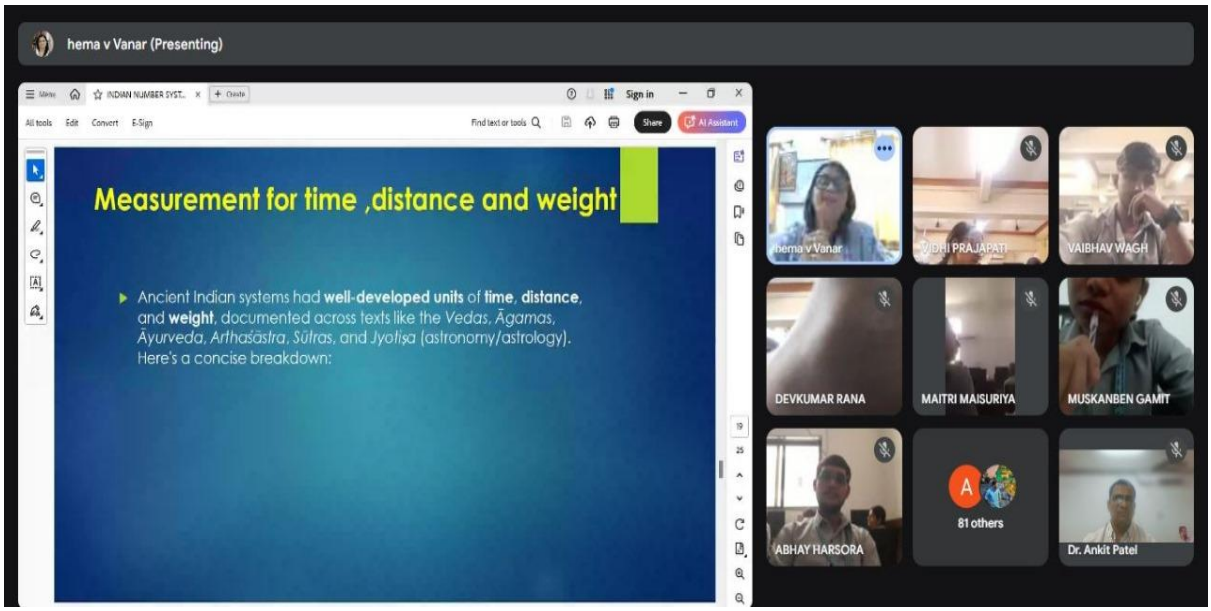
During the course of the webinar, Ms. Vanar primarily focused on the Indian Number System and Units of Measurement, as well as Mathematics and Astronomy—areas where ancient India made significant contributions to global knowledge. On the first day, she began with an overview of the evolution of the Indian number system, tracing its origins from the Brahmi numerals to the development of the decimal system. She emphasized the ingenious concept of zero, attributed to Indian mathematician Aryabhata, and its transformative impact on global mathematics.

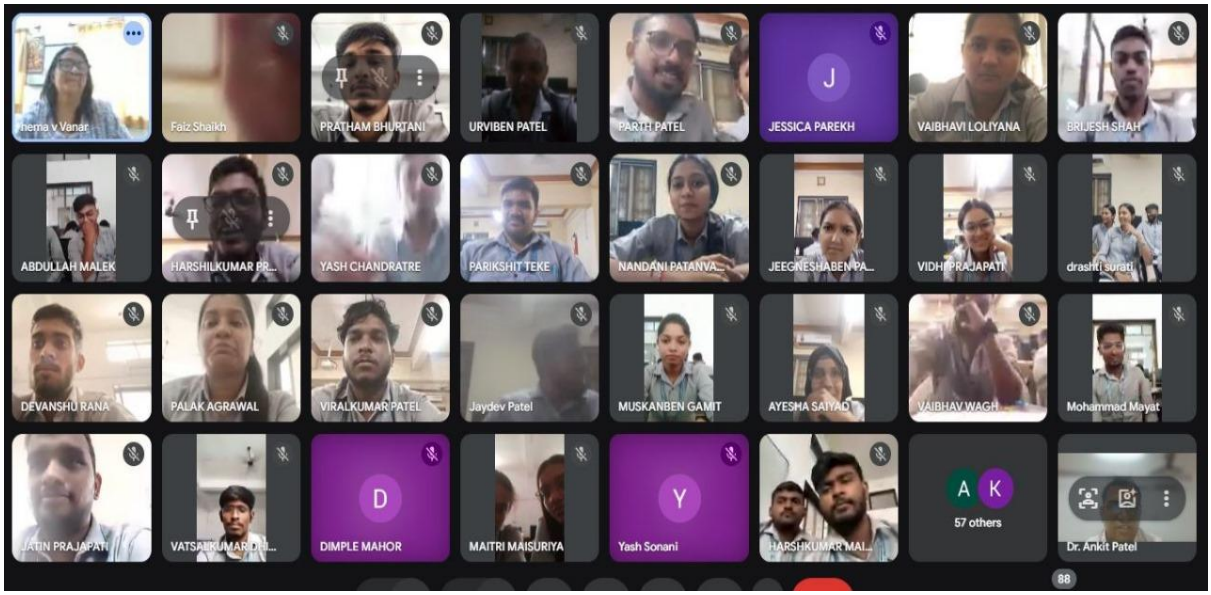
In addition to numerical frameworks, Ms. Vanar discussed the traditional units of measurement used in ancient India, such as angula, dhanusha, and yojana, and how these units were not only precise but also contextually linked to human proportions and natural observations. These insights helped students appreciate the ingenuity and practicality of indigenous systems long before the adoption of the metric system.

On the second day, the session shifted to Mathematics and Astronomy. Ms. Vanar highlighted the ground breaking contributions of Indian scholars like Aryabhata, Bhaskaracharya, and Varahamihira. She explained complex mathematical concepts such as trigonometric calculations, algebraic expressions, and geometric interpretations from ancient texts like the Sulbasutras. Furthermore, the astronomy segment shed light on how ancient Indian astronomers accurately calculated planetary movements, solar and lunar eclipses, and the concept of time using instruments such as the gnomon (shanku) and water clocks.

Throughout the sessions, Ms. Vanar's presentations were well-supported with visual aids and historical references, which kept the students engaged. She also encouraged interaction by inviting questions and facilitating discussions at the end of each session. Students expressed their appreciation for learning how India's intellectual heritage continues to influence contemporary science and technology.

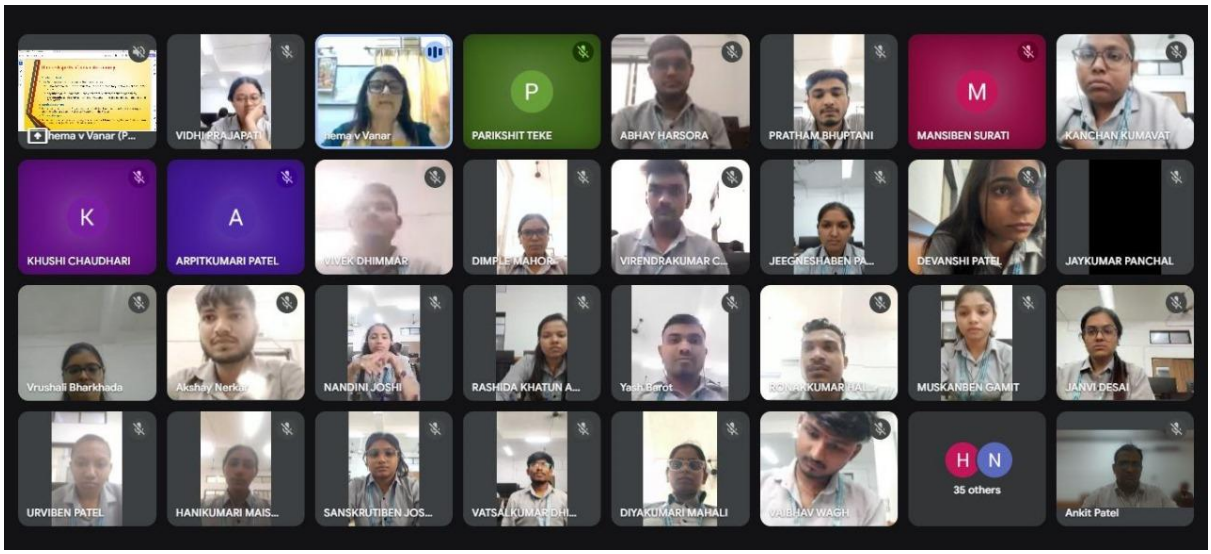
The webinar concluded with a vote of thanks from the faculty coordinator, who praised the speaker's in-depth knowledge and the students' active involvement. The event not only enhanced awareness of India's rich academic traditions but also inspired students to explore interdisciplinary connections between modern science and historical knowledge systems. The initiative was a resounding success, aligning with the college's broader objective to integrate cultural heritage into contemporary academic discourse.

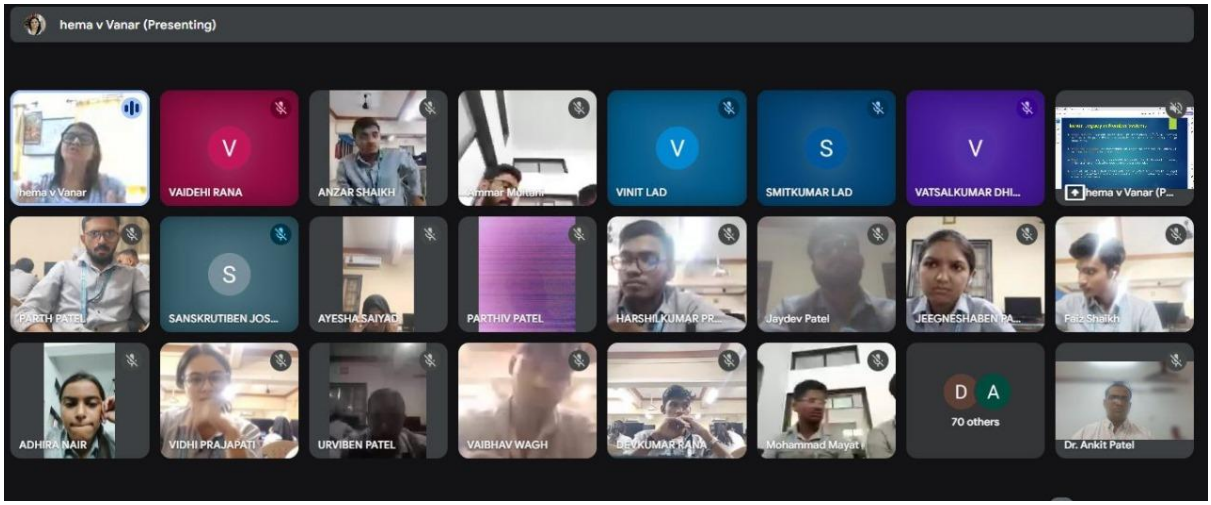




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