

INTERDISCIPLINARY WORKSHOP ON VEDIC MATHEMATICS

As a well needed acknowledgement to our Vedic legacy, the Department of Mathematics and Sanskrit in collaboration with IQAC organized an interdisciplinary workshop on Vedic Mathematics on July 19,2022.

The session began at 11:30 in Mata Gujri Hall and was graced by over seventy-six participants , faculty members and co-ordinators. The two guest speakers; Prof. D.S Tiwari(Department of Sanskrit, University of Delhi) and Shri Anil Kumar Thakur (Vedic Ganit Expert) enlightened the entire session with their well-informed, well-researched discoveries.

Dr. Monica Mishra(Department of Sanskrit, MSCW), took over the dias and welcomed everyone, subsequently inviting other people to take over the stage. With Kuldeep sir's entrancing shloka recitation and Prof. (Dr.)Harpreet Kaur's(Principal, Mata Sundri College for Women) welcome speech the session officially began. Along with felicitating the guests she shed some light on the importance of ancient and Vedic Mathematics in our culture and lives shortly followed by Dr. Rama Verma,(teacher-in-charge of Mathematics department)'s words of wisdom in context to our often ignored Vedic legacy.

Further, Dr. Monica Mishra after a brief introduction about Prof D.S Tiwari's well-deserved achievements welcomed him for his lecture.

With reference to ancient mathematics' books like Lilavati, Aryabhatiyam and Vedas, Upanishads etc. he talked about ancient Vedic decimal system, number system, origin of zero and infinity, permutation and combinations, arithmetic operations and many more. He accompanied his lecture with a visual presentation including pictures and texts from actual ancient scriptures.

Shri. Anil Kumar Thakur was welcomed with equal enthusiasm. Where Prof. Tiwari presented a more theoretical aspect, Shri Anil Kumar added on to it with his applicational points. He highlighted the sixteen sutras (meaning thread or linkage) and their several applications.

The first Sutra was "Ekadhiken Purven" meant for easier multiplication of multi-digit numbers. He also shared how to calculate the square through "Duplex method". He accompanied his lecture with both a virtual and a live hand-written presentation. Constant exchange between speakers and students through mathematical questions made it an overall interactive session.

Both the speakers recommended websites and books for references and thanked everyone for their time followed by official vote of thanks by the TIC's of both the departments.

Dr.Rama Verma, teacher in charge of Mathematics department in her vote of thanks acknowledged everyone and expressed her gratitude pertaining to the entire event. She later invited Dr. Mandeep Walia, senior most professor of the department for certificate distribution regarding the poster making competition on "Ancient Mathematicians and their contributions". The session was officially concluded afterwards.

Some of the live feedback for the session included enlightened smiles and curious faces reveling in a collective ancient legacy.