

## **Report: Special Lecture on “A historical Overview of Mathematics in India”**

A special lecture on the topic “A historical Overview of Mathematics in India” was arranged by the Department of Mathematics DEI on 19-4-25 at 2:15 pm in the Science Faculty Hall. The lecture was delivered by Dr. Soumya Sinha (Assistant Professor, Department of Mathematics DEI) .

India has a very rich heritage of culture and knowledge. The country has also been blessed by gifted intellectual personalities. The lecture attempted to recognize the genius of the scholars of India and to appreciate their capabilities in the field of mathematics. The presentation covered the following periods of Indian Mathematical history-

- Prehistoric Period,
- Ancient Period (Prior to 500 BCE),
- Classical Period (500 BCE to 1300 CE),
- Medieval Period (1300 CE to 1750 CE), and the
- Modern Period (1750 CE to Present).

The complete program was as follows:

**Welcome address** by Prof. Shambhu Sharma

**Session I:** Lecture by the speaker.

**Session II:** Activity Session: Following students of third year mathematics explained some mathematical problems.

Aditya Vijwani: Geometrical method of sum of first  $n$  natural numbers published in **Tantrasaṅgraha** written by **Sri Nilkantha**.

Natanya: Swan family problem from the book **Lilavati** written by **Sri Bhaskaracharya II**: Formation and solution of quadratic equation.

Monika: Peacock Snake problem from **Lilavati**: Formation of a geometrical figure and solution of Pythagoras Theorem.

**Conclusion:** by Tulsi Sharma of B. Sc. second year Physics-Mathematics group

**Vote of Thanks:** by Dr. Suchi Agarwal, Department of Mathematics

Staff members from mathematics, physics and chemistry department and students of postgraduate and undergraduate studies attended the lecture.