

## Department of chemistry

### KALPANA Club

#### A special lecture on Symmetry and Group theory

Date:03-04-2025

Time:10.0 AM to 1.00PM

Venue : Bahumukhi auditorium KAPMC,SHIVAMOGGA

**Resource Person: Ms.Samhitha Mahima Assistant Professor : DVS science college**

A special lecture on "**Symmetry and Group Theory**" was delivered by **Ms. Samhitha Mahima** to provide students with an introduction to the fundamental concepts of symmetry and its applications in mathematics and science.

The resource person explained the concept of symmetry through simple examples from nature, art, and geometry, highlighting how symmetry plays an important role in understanding patterns and structures. She introduced the basics of **Group theory**, including the definition of a group, its properties, and how group operations help describe different types of symmetry.

The lecture also emphasized the applications of group theory in mathematics, physics, chemistry, crystallography, and computer science. Interactive examples and discussions enabled students to understand the relationship between symmetry and algebraic structures in an engaging manner.

The session concluded with an interactive question-and-answer discussion, where students clarified their doubts and gained deeper insights into the topic. The lecture was highly informative and inspired participants to explore advanced concepts in abstract algebra and its real-world applications.



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