

Lala Jagat Naryan Education College, Jalalabad (W)

Mathematics Enrichment Club

Activities of the Club

Session 2025-26



Patron of the Club

Dr. Neetika (Principal)

Coordinator of the Club

Dr. Richa Arora

(Asst. Prof. in Pedagogy of Mathematics)

Mathematics Enrichment Club Constitution

Patron	Dr. Neetika (Principal)
Convener	Dr. Richa Arora (Asst. Prof., Pedagogy of Mathematics)
Student Secretary	Asha Rani
Joint Secretary	Manjeet kaur
Treasurer	Jyoti Bala, Shimla Rani
Executive Members	Sunil Singh, Sakina

About the Mathematics Enrichment Club

A Mathematics Club is an academic forum that promotes interest, creativity, and logical thinking in mathematics through curricular and co-curricular activities. It provides learners with opportunities to explore mathematics beyond textbooks in an engaging and practical manner. The Mathematics Club nurtures problem-solving skills, and analytical reasoning through exploration, innovation, and application. It is a platform to connect numbers with real-life understanding.

The motto of Mathematics enrichment club of Lala Jagat Naryan Education College is '*Preparing future teachers to teach mathematics creatively and effectively*'. It plays a vital role in making the learning of mathematics joyful, engaging, and activity-based rather than limited to rote methods. It encourages innovation, creativity, and exploration by providing opportunities for future teachers to participate in puzzles, projects, mathematical games, and hands-on activities. The club helps bridge the gap between theory and practice by enabling learners to apply mathematical concepts to real-life situations. As a result, the future teachers develop better problem-solving abilities, logical thinking skills, academic achievement, and increased confidence in mathematics.

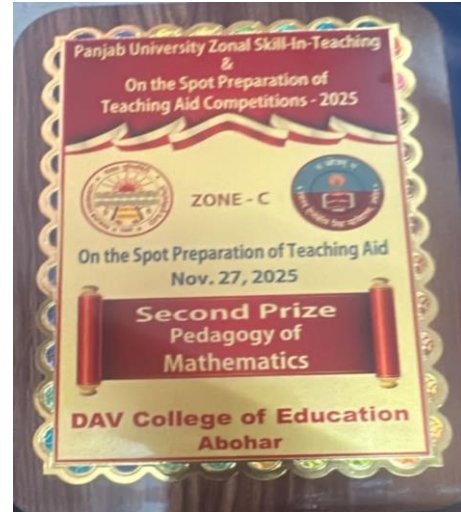
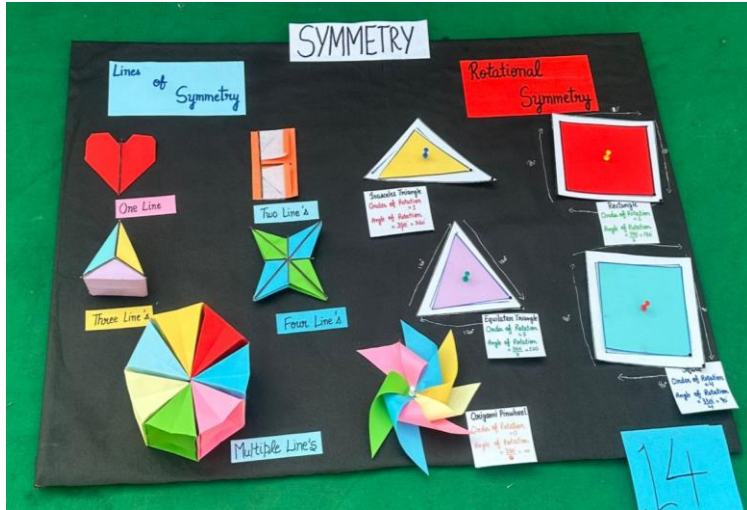
Objectives of the Club

- To develop **logical reasoning, problem-solving, and analytical skills**
- To remove **math anxiety** and cultivate a positive attitude toward mathematics
- To relate mathematics with **real-life applications**
- To encourage **talent identification** and **mathematical creativity**
- To prepare students for **competitive examinations**
- To promote **collaborative learning** and peer interaction

Activities of the Club

Preparation of Teaching Aid for Skill-in-teaching competition held on 27th November, 2025

The mathematics enrichment club facilitates the future teachers in making models for various competitions. The material and equipment are provided to the students to enrich their creative potential. In the session 2025-26, two students Shimla Rani and Jyoti Bala participated in on the spot teaching aid and skill-in-teaching competition held on 27th November, 2025 at D.A.V. College of Education, Abohar.



They prepared their teaching aids under the guidance of Patron and Coordinator of the club. Shimla Rani made an origami based innovative model of the topic Symmetry and bagged second prize in the zonal skill-in-teaching competition.

National Mathematics Day Celebration

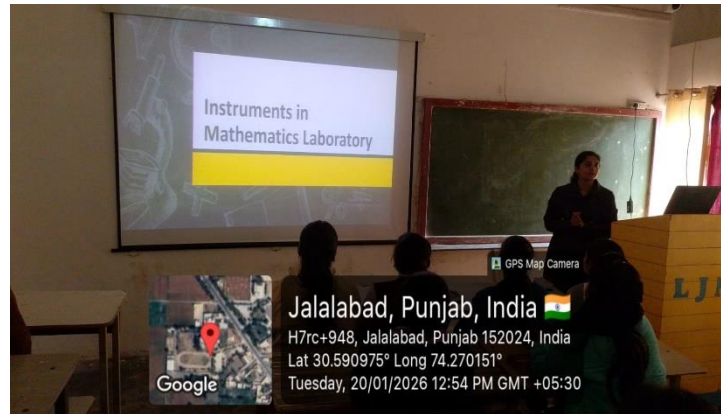
Under the guidance of Patron and Convener of Mathematics Enrichment Club, the National Mathematics Day was celebrated on 22nd December, 2025. National Mathematics Day is celebrated to mark the birth anniversary of legendary Indian mathematician, Srinivasa Ramanujan. The celebration aimed at spreading awareness about the importance of mathematics and the contributions made by Srinivasa Ramanujan, in the field of mathematics. A powerpoint presentation was given by the convener of club to showcase the biography of S. Ramanujan and the contributions made by him in the field of mathematics.



Extension lecture on Instruments in Mathematics Laboratory

An Extension Lecture on “**Instruments of Mathematics Laboratory**” was organized by the Mathematics Enrichment Club of the institution with the objective of enhancing students’ conceptual understanding of mathematical and surveying instruments and their practical applications in real-life situations. The lecture aimed to bridge the gap between theoretical mathematical concepts and hands-on experiential learning.

The coordinator of the Mathematics Enrichment Club Dr. Richa Arora emphasized the importance of mathematical instruments in education, engineering, surveying and navigation. She introduced the concept of a Mathematics Laboratory as a space where abstract mathematical ideas can be visualized, verified and applied through concrete tools and instruments by showing a power point presentation.



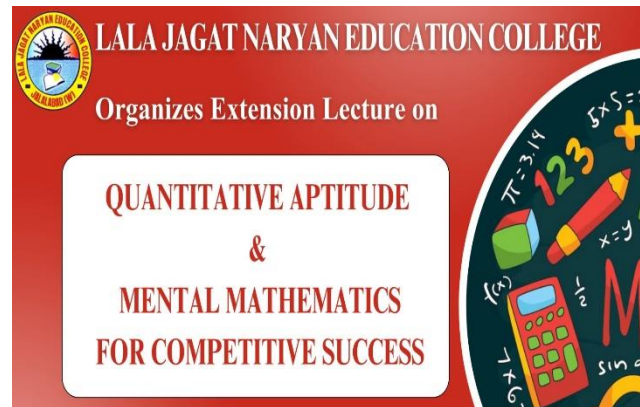
The lecture focused on five major instruments commonly associated with mathematical and surveying practices namely, **Plane Table** (a field-based surveying instrument used for direct plotting of measurements), **Proportional Divisor** (a hinged metal device used for scaling drawings while maintaining accurate proportions), **Angle Mirror Apparatus (Optical Square)** (consists of two mirrors placed at 45° , which help in setting out accurate right angles (90°)), **Sextant** (a navigational instrument used to measure the angle between celestial bodies and the horizon), **Clinometer** (used to measure angles of elevation and depression, was introduced as an important instrument in surveying, forestry, and engineering), **Level (Spirit Level / Surveyor’s Level)** (used in construction and surveying to check horizontal alignment and surface evenness).



The extension lecture was highly interactive and informative as the videos related to the instruments were also shown to the students. Students actively participated by asking questions and discussing real-life applications of the instruments. The session successfully enhanced their practical understanding of mathematical tools beyond textbook learning. It also fostered analytical thinking, spatial reasoning, and appreciation for the role of mathematics in technical and professional fields.

Extension lecture on ‘Quantitative Aptitude and Mental Mathematics for Competitive Success’

An extension lecture on ‘Quantitative Aptitude and Mental Mathematics for Competitive Success’ was organized by the mathematics enrichment club of the college on 18th March, 2026. The lecture aimed at improving the proficiency of students in the subject mathematics for success in various exams. The resource person of the event, Mr. Jagdev Singh Ji from Bathinda, articulated complex mathematical concepts with remarkable simplicity. He emphasized the necessity of logical reasoning and collaborative daily practice to strengthen the mathematical skills of the students. The subject mathematics requires both speed and accuracy from the point of view of success in competitive exams. Thus, students should practice hard to attain the quantitative aptitude and proficiency in mental mathematics.



He discussed about the shortcut methods of solving the complex and lengthy mathematical problems for improving the speed in the exams. The students were enthusiastic to know about various pedagogical shortcuts and raised their queries during the lecture. Mr. Jagdev answered all the queries and clarified the doubts of the students. The Principal of the college, Dr. Neetika expressed her gratitude to Mr. Jagdev Singh for an insightful lecture and encouraged the students to attain mathematical proficiency for success in various competitive exams.

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