



ST. IGNATIUS COLLEGE OF EDUCATION (AUTONOMOUS)

ACCREDITED BY NAAC AT GRADE A+ WITH 3.42 CGPA (THIRD CYCLE)

PALAYAMKOTTAI

MATHEMATICS LABORATORY (2026–2027)

OBJECTIVES AND PRINCIPLES

- To expand and strengthen the concept of the Mathematics Laboratory based on modern educational approaches such as constructivism and activity-based learning, and to view mathematics as an experiential and practical discipline.
- To bridge the gap between theoretical knowledge and its practical application in mathematics education.
- To enable students to apply mathematical concepts and principles effectively in real-life situations.
- To provide concrete, visual, and hands-on experiences for better understanding of abstract mathematical concepts.
- To enhance students' abilities in observation, analysis, and logical reasoning, thereby fostering a spirit of discovery in learning mathematics.
- To engage students through meaningful activities that stimulate curiosity and sustain interest in the subject.
- To promote collaboration, interaction and cooperative learning among students.
- To encourage students to work with concrete materials and develop an interest in experiential learning.
- To facilitate active participation of students in the learning process.
- To develop a scientific attitude, inquiry skills and investigative thinking among students.
- Students should maintain cleanliness and discipline while using the laboratory.
- Proper care and caution must be taken while handling equipment and materials.
- Students should remain attentive and carry out all activities responsibly and safely.
- Mutual respect and good conduct should be maintained within the laboratory environment.
- To ensure a hygienic and focused atmosphere, students are advised not to bring food into the laboratory.

Sr. S. Saravathi Medona

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