



## ST.IGNATIUS COLLEGE OF EDUCATION (AUTONOMOUS)

Accredited by NAAC at Grade A + with CGPA 3.42 (Third Cycle)

Palayamkottai – 627 002

### MATHEMATICS LABORATORY - (2023-2024)

#### OBJECTIVES AND PRINCIPLES

- To define and develop the concept of 'Mathematics laboratory' in a broader sense based on the education theories like constructivism, activity based learning and treating mathematics as an empirical science.
- To bridge the gap between theory and practice of mathematics education.
- To enable the students to apply mathematical facts and principles in an actual life.
- To write topicwise booklets about conceptual development of various topics from school syllabus.
- To develop powers of observation, analysis and drawing inferences and enable the students joy of discovering principles and relationships.
- To provide activities that arouses the curiosity of the students and maintain their interest in learning.
- To provide opportunities for social interaction and co-operation among the students.
- To stimulate the interest of the students to work with concrete material.
- To help the students to actively participate in the learning process.
- To develop a habit of scientific enquiry and investigation among the students.
- Keep the laboratory clean.
- Maintain discipline while using the laboratory.
- Be prudent while handling equipment and materials.
- Be alert and undertake all activities with caution.
- Be respectful and show good manners towards all access in the laboratory.
- Students are not allowed to have food inside the laboratory.

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