REPORT ON LAB BENCH – EXPLORING PHYSICS THROUGH EXPERIMENTS

Organised by the Research and Postgraduate Department of Physics, St. Aloysius College, Edathua

Date: 19 June 2026
Time: 10:00 a.m. – 3:30 p.m.
Venue: B.Sc. Physics Laboratory, St. Aloysius College, Edathua

The Research and Postgraduate Department of Physics, St. Aloysius College, Edathua, organised a one-day hands-on workshop titled **"LAB BENCH – Exploring Physics through Experiments"** on 19 June 2026 at the B.Sc. Physics Laboratory of the college. The programme was designed to promote experimental learning and provide participants with practical exposure to various physics experiments, particularly those included in the Plus Two Physics curriculum.

The primary objective of the workshop was to bridge the gap between theoretical knowledge and practical understanding by providing participants with opportunities to explore physics concepts through laboratory experiments. The programme was open to participants irrespective of age, encouraging school students and other interested learners to develop their experimental skills and scientific aptitude.

The workshop focused on providing hands-on experience in Plus Two Physics experiments under the expert guidance of experienced faculty members. It emphasised concept-oriented and experiential learning, individual attention and opportunities for clarifying doubts. Participants also had the opportunity to become familiar with the facilities and equipment available in the well-equipped Physics Laboratory of the college.

Ms. Rani George served as the Faculty Coordinator, while **Helen Thampi** served as the Student Coordinator. Around 10 students from various higher secondary schools in Edathua and Pacha were participated in the workshop and it was a good experience for them.

The workshop served as a valuable initiative to promote experimental physics education and strengthen the practical skills of learners. It also provided an opportunity for the department to share its laboratory resources and academic expertise with the wider learning community.

The programme reflected the department's commitment to promoting experiential learning, scientific inquiry and the practical application of physics concepts through accessible and activity-oriented educational initiatives.