



ST. XAVIER'S COLLEGE (Autonomous), PALAYAMKOTTAI – 627 002.

(Recognized as “College with Potential for Excellence” by UGC & Accredited at A⁺ Grade with a CGPA of 3.66 out of 4 in IV Cycle by NAAC)

Annual Report 2024 - 2025

PHYSICS RESEARCH CENTRE (2010)

The Physics Research Centre was established in 2010 and has developed a well-defined system to promote research. Exclusive research units, such as the Materials Research Centre, Crystal Growth Lab, and Energy Research Centre, function at the department level to support research scholars of the college. Currently, 23 research scholars are pursuing their research under nine research supervisors. The Physics Research Centre is accessible to all postgraduate (PG) students, whether they have their own research projects or intend to undertake research as interns.

The Physics Department has procured research instruments worth ₹1,49,910/- to facilitate UV studies and analyse the optical properties of thin films and nanomaterials. Faculty members of the department are actively conducting research in fields such as crystal growth, thin films, nanomaterials, polymers, optoelectronics, supercapacitors, and more. Nineteen research papers have been published in reputed national and international journals in the academic year 2024–2025. Additionally, the Department of Physics maintains an MoU with PSN College of Engineering, Melathediyoore, to collaborate on research activities related to nanomaterial synthesis and characterization, polymer research, and hands-on training on the electrochemical workstation.