



ST. XAVIER'S COLLEGE (AUTONOMOUS)
PALAYAMKOTTAI - 627 002
(Recognized as "College with Potential for Excellence" by UGC &
Accredited by NAAC at A++ Grade with a CGPA of 3.66 out of 4)



ANNUAL REPORT 2022-2023
PHYSICS RESEARCH CENTRE

In charge: Dr. B. Helina

The Physics research centre was established in the year 2007. Physics research centre has created a well defined system to promote research. Exclusive research centres such as Materials research centre, Crystal growth lab and Energy research centre are the department level research units to support the research scholars. At present 27 research scholars are pursuing their research under 9 research supervisors in different disciplines. The Physics research centre is available to all the PG students. The Department has purchased research instruments at the cost of Rs. 5,44,063 to carry out UV studies, Optical properties of Thin film and Nanomaterials. The faculty of Physics Department are pursuing their research in the field of crystal growth, thin film, nano materials, polymers, opto electronics, super capacitors, etc. 42 papers are published in leading National and International Journals during 2022-2023. Dr. S. G. Rejith and Dr. L. Arun Jose have received a sum of Rs.15,000 towards students research project at PG level. The Department of Physics has signed an MOU with PSN College of Engineering, Melathediyoor with the aim of undertaking research activities pertaining to nanomaterials synthesis and characterization, polymers and Hands-on training on electrochemical work station.