




ST. XAVIER'S COLLEGE, MAPUSA GOA

College with Potential for Excellence
Re accredited by NAAC with A Grade
Awarded DBT STAR College Scheme

Nature of Event (Workshop, Guest Lecture, Add-on Course, Seminar, etc.)	Study Visit
Name of Department	Physics
Faculty In-Charge	Dr. Nelson Lobo & Ms. Avani Talkatkar
Stratum of Event (College, State, Regional, National)	College
Title of Event	“Study Visit to Goa University Physics Department”
Date of Event	17 th March 2022
Venue	Goa University Physics Department
Resource Person details	Research Scholars of Goa University Physics Department
Objective/ Scope of Event	To introduce working of instrumentation
Particulars of Event	Working of these instruments were explained <ul style="list-style-type: none">• Arc furnace• Vacuum sealing• Fume hood and sample preparation chamber• Low temperature resistivity: Four probe• AC Susceptibility (low temperature)• Dynamical Mechanical Analysis apparatus using Vogel Fulcher Law• X Ray Diffract meter• Balance room• Material Characterization room• Chemical preparation room• IR and UV apparatus• Transport and Thermal laboratory• Optical lab – Electron microscope for surface studies n bacterial studies• SQUID Magnetometer• Raman Spectrometer• Nitrogen Plant

Outcome of Event	Participants understood basic concepts of various instruments. Students also how research is carried out at Masters level.
Feedback	Study visit was helpful.
Total No. of Participants	20
Photographs	 <p>The first photograph shows a group of approximately 20 people, including students and faculty, standing in a hallway. A sign in the background reads 'GOA UNIVERSITY'. A Google Maps overlay is present with the following text: 'Taleigao, Goa, India', 'MDR3, Goa University, Taleigao, Goa 403206, India', 'Lat 15.459397°', 'Long 73.832227°', and '17/03/22 12:50 PM'.</p> <p>The second photograph shows a laboratory setting with various pieces of equipment, including a blue gas cylinder and a workbench. A Google Maps overlay is present with the following text: 'Taleigao, Goa, India', 'MDR3, Goa University, Taleigao, Goa 403206, India', 'Lat 15.459397°', 'Long 73.832227°', and '17/03/22 12:52 PM'.</p> <p>The third photograph shows a laboratory with a large, white, boxy machine, possibly a spectrophotometer or similar instrument. A Google Maps overlay is present with the following text: 'Taleigao, Goa, India', 'MDR3, Goa University, Taleigao, Goa 403206, India', 'Lat 15.459397°', 'Long 73.832227°', and '17/03/22 12:54 PM'.</p>

