



ST. XAVIER'S COLLEGE, MAPUSA GOA
Report of Activity conducted in the Academic Year 2024-25

Name of Activity	Value Added Course "One Day Workshop on PCB Designing"
Date/ Duration	1st October 2024 - One Day Workshop
Venue	Physics laboratory , St. Xavier's College, Mapusa
Name of organizing Department/Cell	Department of Physics in association with DBT Star College Scheme.
In collaboration with	
Name/s of Faculty Co ordinator	Prof Nelson Lobo (Coordinator)
Stratum of Event	College level
Name & details of Resource Person/s if any	Prof Nelson Lobo
Report	The one day workshop on "PCB Designing" was conducted by the Department of Physics on 1st October 2024 fro 10:30am to 12:30pm in the Physics laboratory. The resource person of the day was Prof. Nelson Lobo. Course Objectives put forth by the resource person were: The course objectives for PCB designing include: 1. Exploring different aspects of Printed Circuit Board Design and fabrication¹. 2. Learning various types of PCBs. 3. Understanding schematic design and entry rules. 4. Mastering component layout methods and placement rules.. 5. Designing single sided PCBs, etching and drilling with component soldering. Various circuit diagrams were taken containing active and passive components as well as those with ICs were chosen and the positive and negative image of the component layout were drawn and transferred to the PCB, etched and drilled and components were soldered. The circuits were then tested.
Brochure/Poster	https://xavierscollegegoa.ac.in/wp-content/uploads/2024/11/brochure-2.pdf

Photographs	https://xavierscollegegoa.ac.in/wp-content/uploads/2024/11/pics-2.pdf
List of participants with signatures	https://xavierscollegegoa.ac.in/wp-content/uploads/2024/11/list-of-participants-with-signatures.pdf
Certificate	https://xavierscollegegoa.ac.in/wp-content/uploads/2024/11/certificate.pdf
Feedback	N/A