



ST.XAVIER'S COLLEGE, MAPUSA GOA

Report of Activity conducted in the Academic Year 2025-26

Name of Activity	15 day Internship Programme in Robotics with Arduino
Date/Duration	1 st April to 17 th April 2026
Venue	Electronics Department
Name of organizing Department/Cell	Department of Electronics St. Xavier's College, Mapusa, Goa
In collaboration with	
Name/s of Faculty Coordinator	Dr. Cajé Francis Pinto
Stratum of Event	State Level
Name & details of Resource Person/s If any	Ms. Viola Fernandes Mrs. Vilma M. T. Fernandes
Report	The workshop aimed to introduce school students to the fundamentals of robotics, electronics, and Arduino programming through a combination of theory and hands-on sessions. A total of 14 students participated in the 30-hour workshop. The sessions covered topics such as introduction to Arduino UNO, basic electronic components, circuit building, and programming concepts. Students also learned to write and upload programs and use the Serial Monitor for output and debugging. Practical activities included LED-based projects, sensor interfacing using IR and ultrasonic sensors, and motor control using L298N drivers. The participants further applied their learning by building and testing a Line Follower Robot, Obstacle Avoidance Robot, and Bluetooth-controlled robot.
Brochure/Poster	NA
Photographs	https://xavierscollegegoa.ac.in/wp-content/uploads/2026/08/images-of-15-day-Internship-Programme-in-Robotics-with-Arduino-.pdf
List of participants With signatures	https://xavierscollegegoa.ac.in/wp-content/uploads/2026/08/Attendance-Sheet-of-15-day-Internship-Programme-in-Robotics-with-Arduino-.pdf

Certificate	https://xavierscollegegoa.ac.in/wp-content/uploads/2026/08/Certificates-for-Students-for-15-day-Internship-Programme-in-Robotics-with-Arduino-.pdf
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