



ST. XAVIER'S COLLEGE, MAPUSA GOA

Report of Activity conducted in the Academic Year 2024-25

Name of Activity	Smart City Model: An Alternative for a Sustainable Future
Date/Duration	24.2.2025
Venue	St. Xavier's College, classroom
Name of organizing Department/Cell	Department of Economics
In collaboration with	
Name/s of Faculty Co-ordinator	Ms. Ana Souza
Stratum of Event	Local
Name & details of Resource Person/s if any	
Report	<p>Urban areas are increasingly plagued by problems linked to pollution and unsustainable energy use. Traditional cities contribute significantly to climate change due to heavy reliance on non-renewable energy resources and inefficient waste management systems.</p> <p>Ms Poonam Palyekar and Ms Kashish Mandrekar students of Economics of SYBA presented a Smart City Model on 24.2.2025. Their vision is to transform urban environments into sustainable, energy-efficient communities while directly addressing the pressing issues of pollution and resource scarcity. Their goal is to set a benchmark for the cities of the future.</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1. To explore smart city concepts – Understanding the integration of technology, sustainability, and urban development. 2. To develop innovative solutions – Creating prototypes that address real-world urban challenges. 3. To promote sustainability – Encouraging eco-friendly and energy-efficient city designs. 4. To enhance urban living – Improving connectivity, infrastructure, and public services through smart solutions. <p>They developed an innovative project to integrate sustainable technologies into urban development. They focused on reducing environmental pollution and enhancing renewable energy usage through a variety of technologies including smoke absorbing devices, garbage-to-electricity converters, piezoelectric materials, hydroelectricity, aquaponics, and solar-powered transport solutions.</p> <p>Outcomes:</p>

	<ol style="list-style-type: none"> 1. Functional prototypes showcasing smart city solutions such as smart grids, waste management, transportation, and security. 2. Increased awareness about the importance of technology and sustainability in urban planning. 3. Problem-solving skills developed through hands-on experience in smart city design. 4. Innovative ideas that can contribute to future city planning and infrastructure development. <p>14 students attended.</p>
Brochure/Poster	https://xavierscollegegoa.ac.in/wp-content/uploads/2025/04/poster-for-research-coffee-series-2.pdf
Photographs	https://xavierscollegegoa.ac.in/wp-content/uploads/2025/04/pics-6.pdf
List of participants with signatures	https://xavierscollegegoa.ac.in/wp-content/uploads/2025/04/attendance-5.pdf
Certificate	NA