



Nirmala Memorial Foundation College of Commerce and Science

**Permanently Affiliated to University of Mumbai
Accredited by NAAC, ISO 9001-2015 Certified
Recognised under section 2(f) & 12(B) of the UGC Act 1956**

D.S. Road, Asha Nagar, Thakur Complex, Kandivali (East), Mumbai – 400 101. Tel.: 022 69436400

7.1

Institutional Values and Social Responsibilities



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7.1.2

The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and non-degradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment



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Report on Energy Conservation

Throughout the years our institution has consistently prioritized energy efficiency in the face of challenges, like space and a vertical structure. We have implemented measures to reduce energy consumption and promote sustainability.

Initiatives to Enhance Infrastructure;

1. Energy efficient Lighting; All classrooms, laboratories and washrooms now use energy saving LED lights. This change has significantly reduced our electricity usage.

2. Improving Air Quality; Following recommendations from an energy audit report we strategically planted 66 Areca Palm trees, 50 Tulsi plants and other greenery to improve the air quality on campus. This effort aims to create a pollution atmosphere.

3. Embracing Green Spaces: To encourage greenery within our campus we have taken steps such as planting 30 plants in the library on the floor, maintaining terrace gardens and implementing green walls.

4. Energy Conservation in Cooling Systems; Our approach to cooling systems involves using AC units with 2 star ratings. We also instruct floor staff to maintain AC temperatures at a level of 26 degrees Celsius for energy efficiency.

5. Guest Invitations; As part of our commitment to sustainability we offer saplings, as gifts to guests attending programs held at our institution. This practice contributes positively towards environmental conservation efforts.

6. Emergency Preparedness; The organization has put in place safety precautions, like fire extinguishers in meter rooms warning signs near panels and prominently displayed emergency evacuation plans.

7. Efforts to promote awareness; Multiple steps have been taken to increase awareness about protecting the environment, such as organizing competitions and events. Posters, with the message "TURN OFF" have been. Placed on the side of classroom doors to highlight the

significance of conserving energy.

8. Reducing Paper Usage: The institution has actively discouraged draft printing, promoting the use of emails, and maximizing the utilization of the Teach Us App since 2023.

Recent Developments:

In April 2023, the management approved the installation of sensor-based electric lights in students' and staff washrooms, further enhancing energy efficiency on campus.

Additional Initiatives:

The Nature Club at our institution has played a pivotal role in educating students about electricity conservation through strategically placed posters near all switchboards. Additionally, staff and students are encouraged to minimize energy usage by avoiding unnecessary AC usage and switching off lights when occupancy is low, opting for natural light and fans instead. These initiatives collectively underscore our commitment to sustainable practices and environmental responsibility.

Report on Waste Management

The institution proudly maintains a centralized, transparent, and meticulously planned waste management system, employing predetermined strategies for the effective handling of diverse waste streams.

- **Solid Waste Management:** Solid waste primarily originates from three key sources: examinations, the library, and the canteen. Paper waste generated during examinations and in the library undergoes responsible disposal through dedicated paper vendors, who subsequently channel it to recycling agencies. Metal scrap is sold to casting companies, with the canteen actively segregating decomposable and non-decomposable wastes. Wet waste is channeled into composters, while non-degradable waste is efficiently managed through the Brihanmumbai Municipal Corporation (BMC) collection system.
- **Liquid Waste Management:** Wastewater adheres to BMC guidelines and is systematically disposed of through the drainage system, especially if contaminated with detergents.
- **E-Waste Management:** The institution boasts an e-waste management cell under the Nature's Club and NSS unit, fostering environmental awareness through competitions and activities. Collaborating with Threco The Recycling Company Ltd, the institution engages in three key activities with old electronic durables: donation of functional items to the community, disposal of e-scrap as scrap, and organized disposal activities every 4-5 years. The latest e-waste donation and disposal occurred in May 2023, facilitated by a prominent city-based e-waste management company.
- **Waste Recycling System:** The institution embraces a comprehensive recycling system, incorporating a Gobble Bin for wet waste. Paper and metallic waste are diligently sold to recycling agencies for repurposing. E-waste is either donated for reuse or sold to specialized agencies, with guidance from Threco, a prominent recycling company.

This holistic waste management framework reflects the institution's commitment to environmental stewardship, promoting responsible waste practices across various waste categories.

Report on Water Management and Conservation

- The Water Management System maintains a clear distinction between drinking water and non-potable water.
- Four overhead tanks are strategically allocated to ensure efficient water distribution.
- One tank exclusively stores drinking water, guaranteeing a safe and separate water supply.
- Remaining tanks of boring water are designated for non-potable water, addressing needs for cleaning, washing, fire extinguishing and other purposes.
- This organized approach not only optimizes water usage but also underscores the institution's commitment to water conservation, reflecting a sustainable and environmentally responsible water management strategy.

Report on Green Campus Initiatives

Despite urban constraints, the institution actively cultivates a green campus, strategically planting trees and plants near boundaries and cabin windows.

- A dedicated nursery nurtures plants with medicinal or environmental benefits, contributing to sustainability efforts.
- Plastic Reduction Measures: The institution discourages the use of non-reusable plastics, advocating for eco-friendly alternatives such as reusable steel cups, glassware, and tumblers for staff.
- Waste Management and Composting: Gobble bins are employed to convert wet garbage into compost, creating a closed-loop system that supports the campus's vegetation.
- Plant Maintenance: Cleaning staff ensures the meticulous maintenance of the diverse plant life across the campus.
- Vehicle Use Restrictions: To maintain a pollution-free environment, there are stringent restrictions on the use of vehicles within the campus premises.
- Sustainable Gift Practices: The institution adopts an environmentally conscious tradition of gifting saplings to guests and invitees instead of traditional bouquets, promoting sustainable practices.
- Curriculum Integration for Environmental Awareness: Environmental consciousness is instilled in students through university-required courses like Environmental Studies in the first year of B.Com, Environmental Management in the second year of BMS, and Green Computing in BScIT.
- Environmental Competitions and Clubs: Campus-wide competitions, including poster making and Rangoli, are organized to actively engage students in promoting environmental consciousness.
- The institution's Nature Club plays a pivotal role in organizing various activities that aim

to enhance students' environmental awareness.

These comprehensive practices and initiatives collectively underscore the institution's commitment to cultivating a sustainable, green, and eco-friendly campus environment despite space limitations and urban surroundings.

Declaration For Disabled Friendly Campus

The institution, its procedures, and campus facilities prioritize an inclusive environment for students with diverse physical and learning abilities.

- A specific quota, aligned with University of Mumbai circular Enrol/ Elg/ Admission/2021-22/388 of 2021 and circular no. Special Cell/ 2/ 2008 dated 25th January 2008, is reserved for candidates with physical or learning disabilities.
- The college registrar personally addresses queries from disabled students, ensuring direct attention to their needs.
- Facilities such as enlarged print, extra time, and writer support are provided during examinations, following University of Mumbai circular no. DBoEE/ICC/2021-22 /16 (point no. 25) for online exams.
- The institution features comprehensive amenities to create a comfortable environment for disabled students:
 - A ramp is available at the entrance gate.
 - Railings on every floor staircase enhance accessibility.
 - Wheelchair provisions cater to students with physical disabilities.
 - Two lifts, operated by attendants during working hours, facilitate vertical movement.
 - A dedicated disabled-friendly washroom is accessible on the 5th floor.
 - Well-illuminated and ventilated classrooms prioritize student comfort.
 - Teachers have access to microphone facilities for improved communication.
 - The institution's counseling center, staffed with a dedicated counselor, supports the well-being of both students and staff members.

Report on Disabled Friendly Campus

The institution prioritizes inclusivity through a thoughtfully designed built environment, ensuring easy access to classrooms. Ramps and railings are provided at the ground floor entrance, complementing staircases. With classrooms distributed across various floors, including the 1st, 3rd, 4th, 5th, 6th, and 7th, accessibility is enhanced. The 5th floor, hosting sports facilities, also features disabled-friendly washrooms. Two lifts, each accommodating six people, further facilitate seamless vertical movement.

○ **Communication and Information:**

Signage, including lights, display boards, and signposts, guides individuals to facilities, notably the disabled-friendly washroom on the 5th floor.

The college website prominently displays information on facilities for disabled students, promoting transparency and awareness.

○ **Exam Support:**

In alignment with university rules, the institution provides essential support during examinations. Candidates with disabilities receive extra time, ensuring a fair and accommodating examination process.

○ **Assistive Technology and Medical Support:**

The institution offers wheelchairs for physically disabled students, promoting mobility within the campus.

The Wellness centre operates throughout working hours, addressing immediate medical needs. Additionally, a memorandum of understanding (MoU) with nearby hospitals ensures prompt medical assistance when required.

○ **Enquiry and Information Services:**

The institution's website serves as a comprehensive resource, detailing facilities available for disabled students.

Contact details are provided for addressing issues or queries, emphasizing open communication

and support.

- **Counseling Services:**

The counseling centre extends its services to all students, providing essential emotional and mental health support. The commitment to inclusivity and accessibility underscores the institution's dedication to creating a conducive and supportive educational environment.