



St. Joseph's College for Women (A)

Gnanapuram, Visakhapatnam - 530004 (A.P)

(Affiliated to Andhra University)

Reaccredited by NAAC - ISO 9001:2015 Certified

Phone Nos: 0891-2558346, 7075856500, E.mail: info@stjosephsvizag.com, Web: www.stjosephscollegevisakhapatnam.ac.in

Environment And Energy Policy

Policy Number: SJCW018

GBM:01-08-2022

St. Joseph's College for Women (A) is dedicated to fostering environmental awareness among its community and society. The institution promotes eco-friendly practices for sustainable development and strives to create a campus that harmonizes with nature, fostering a tranquil learning environment. The institution has implemented various green initiatives to achieve these goals.

While designing the building, the following key features are ensured:

1. **Optimize Natural Light and Ventilation:** Ensure that the building design incorporates maximum natural sunlight and open-air ventilation to eliminate the need for HVAC systems.
2. **Sustainability:** Incorporate all necessary features of sustainability to minimize the building's environmental impact.
3. **Low Glazing:** Use low-glazing tiles and glasses to reduce heat gain and minimize energy consumption.
4. **Rain Water Harvesting** is mandatory to conserve water resources.
5. **Integrated Facilities:** Ensure that all necessary facilities, including internet, telephone, fire safety, and others, are integrated into the building design to the extent possible without harming the heritage structures.
6. Installation of solar panels/alternate energy resources wherever possible.
7. Energy efficient system and energy conservation to achieve minimum energy conservation.

Water Resources and Rainwater Harvesting:

As the college is located in a hot climate zone, it recognizes the significance of conservation and effective utilization of water resources. The college maintains and generates water resources through various measures. The college has borewells to meet the general needs of the institution. The rainwater from the rooftops is collected through a well-connected pipe system to specially constructed pits. This arrangement helps to collect and store rainwater, which is then used for maintaining the green cover on campus. During the hot summer season, when water scarcity is more prevalent, the surrounding borewells get recharged, and the groundwater level increases.

Energy consumption:

1. LED bulbs are used in minimize energy consumption. All electric and electronic equipment are switched off when not in use to reduce energy waste and promote sustainability.

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Restricted Entry of Automobiles for 2 days in a Month:

1. All the vehicles used by the college members do have PUC certification, which is renewed regularly.
2. Students nearby are encouraged to come by bicycle to college.

Pedestrian-friendly Paths:

1. Vehicles are restricted from entering the campus, ensuring a safer and more peaceful environment for pedestrians.
2. The campus has well-maintained pathways and roads, making it easy and safe for students to walk around the campus.
3. There is a separate parking area for disabled students and visitors, ensuring equal access and convenience for all.
4. The college has improved pedestrian visibility, additional areas for pedestrian queuing, and locations for sidewalk amenities and landscaping, enhancing the overall walking experience for students.

Plastic-free Campus:

1. Restrict the use of non-essential, non-compostable and single use disposable plastic.
2. Education and awareness on hazards caused by the use of plastic products.

Use of Paper:

1. The teaching and non-teaching staff at the institution shall ensure that printouts are made double-sided, thereby reducing paper consumption by 50%.
2. Whenever feasible, single-sided printed papers shall be reused, minimizing the use of paper.
3. To minimize paper usage, the institution promotes automation and digitization wherever possible. One such measure is the digital storage of documents, which has significantly reduced the need for physical storage.
4. The college extensively utilizes technology for communication among staff, rather than relying on paper-based methods. This includes the use of WhatsApp groups organized by class, department, and committee to facilitate e-communication. Additionally, the public address system is employed to disseminate notices and circulars, further reducing the need for paper-based communication.
5. In addition to transitioning to a paperless classroom environment, the college has implemented a "Learning Management System" where references, notes, syllabi, question banks, and study materials are stored and shared on an electronic platform, significantly reducing paper consumption.

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