

7.1.2 : The institution has facilities for

1. Alternate source of energy and energy conservation measure
2. Management of the various type of degradable and non degradable waste
3. Water conservation
4. Green Campus initiatives
5. Disabled friendly , Barrier free environment

Shri Ram College, Muzaffarnagar which was established in 2004 with the aim to provide quality education to all section irrespective of caste, religion , gender having a campus equipped with all modern technology and art of living .Some facilities are described as below

1. Alternate Sources of Energy and Energy Conservation Measures

In recent years, the importance of transitioning to alternate sources of energy has become increasingly apparent as the world seeks to address climate change and reduce reliance on fossil fuels. Solar energy is one of the most promising alternatives, harnessing sunlight through photovoltaic (PV) panels or solar thermal systems to generate electricity or heat water. Solar energy is abundant, renewable, and can significantly reduce energy costs over time, making it an ideal choice for institutions.

Solar Energy Systems:

Institutions can implement solar energy systems in various ways, such as installing rooftop solar panels, utilizing solar carports, or investing in solar farms. By generating their own electricity, institutions can lower their utility bills, decrease their carbon footprint, and contribute to energy independence. In regions with ample sunlight, the payback period for solar installations can be relatively short, making it a financially viable option. Furthermore, incorporating solar energy can also enhance a school's or organization's sustainability profile and attract eco-conscious stakeholders.

LED Lighting:

In addition to solar energy, switching to LED lighting is one of the most effective energy conservation measures that institutions can adopt. LED lights consume significantly less electricity compared to traditional incandescent or fluorescent bulbs and have a much longer lifespan. This not only results in reduced energy bills but also lowers maintenance costs due to less frequent replacements. Implementing LED lighting solutions in classrooms, hallways, and common areas can lead to substantial energy savings and create a brighter, more inviting environment.


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Additional Energy Conservation Measures:

Energy Audits: Conducting regular energy audits can help identify areas of waste and opportunities for improvement.

Smart Thermostats: Installing programmable or smart thermostats can help optimize heating and cooling systems, reducing energy consumption without sacrificing comfort.

Insulation and Weatherproofing: Improving insulation and sealing leaks in buildings can minimize heating and cooling needs, further conserving energy.

Promoting Behavioral Changes: Educating staff and students about energy-saving practices, such as turning off lights and unplugging devices when not in use, can foster a culture of energy conservation.

Renewable Energy Credits (RECs): Institutions can purchase RECs to offset their energy usage, supporting the growth of renewable energy sources.

By integrating solar energy systems and adopting LED lighting along with other energy conservation measures, institutions can significantly reduce their energy consumption, cut costs, and contribute to a more sustainable future. These initiatives not only benefit the environment but also promote awareness and responsibility among students and staff, setting a powerful example for the community.

2. Management of Degradable and Non-Degradable Waste in Institutions

Effective waste management is crucial for sustainability and public health in institutional settings, such as schools, hospitals, and offices. Waste can broadly be categorized into degradable (biodegradable) and non-degradable (non-biodegradable) waste, each requiring specific management strategies.

Degradable (Biodegradable) Waste

Definition: This type includes organic matter that can be broken down by microorganisms, such as food scraps, paper products, and garden waste.

Management Strategies:

Segregation: College has established separate bins for biodegradable waste to avoid contamination with non-degradable items.

Composting: College has established vermicompost unit and compost unit in the campus for onsite composting to convert organic waste into nutrient-rich compost. This is being used for landscaping or gardening within the college campus and if some time is not using, a desk for selling to Nursery holder.

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Anaerobic Digestion: College has also installed a biogas unit near the vermicompost unit for generating the bio-gas which is being used in laboratory and sometime in mass, a renewable energy source.

Training and Awareness center has been started in the campus for educating the students and their parents as our 70 % rural area where farming is a main occupation to raise awareness among staff and students about the importance of composting and reducing food waste.

Non-Degradable (Non-Biodegradable) Waste

Definition: This includes materials that do not break down naturally, such as plastics, metals, and certain electronics.

Management Strategies:

Segregation: Like degradable waste, non-degradable items are also categorized and stored separately to facilitate recycling.

Recycling Programs: The College has developed a partnership with local vender for recycling to ensure proper disposal of materials like plastics, paper, glass, and metals. This reduces landfill burden and promotes resource recovery.

E-waste Management: The College has also developed a safe disposal method for electronic waste, partnering with certified e-waste recyclers to handle devices like computers and mobile phones.

Reduction and Reuse: College have prioritized the waste reduction strategies by encouraging the use of reusable items (e.g., water bottles, containers) and minimizing single-use products.


The Education and Awareness


A critical component of waste management in institutions is ongoing education and training for all stakeholders. The college have organized workshops, seminars, and informational campaigns to promote best practices in waste segregation, recycling, and reduction.

Proper management of degradable and non-degradable waste in college not only promoted environmental sustainability but also fosters a culture of responsibility among students and staff. By adopting effective strategies and encouraging participation, college have significantly minimized their environmental impact.

3. Water Conservation Practices Implemented in College

Our college has taken significant strides in promoting water conservation through various innovative practices aimed at reducing waste and fostering sustainability among students and staff.


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Smart Irrigation Systems: We have installed smart irrigation systems that use moisture sensors to optimize watering schedules for campus gardens and landscaping. This technology ensures that water is only used when necessary, minimizing overwatering.

Rainwater Harvesting: The college has implemented rainwater harvesting systems to collect and store rainwater for use in irrigation and non-potable applications, such as flushing toilets. This helps reduce reliance on municipal water supply.

Awareness Campaigns: Regular workshops and campaigns are held to educate students and staff about the importance of water conservation. These initiatives encourage behavioral changes, such as turning off taps while brushing teeth and reporting leaks promptly.

Water-Efficient Fixtures: The installation of low-flow faucets, showerheads, and dual-flush toilets in restrooms has significantly reduced water consumption throughout the campus.

Water Audits: Periodic audits are conducted to assess water usage across the campus, identifying areas for further reduction and monitoring the effectiveness of existing conservation measures. Through these initiatives, our college not only minimizes water wastage but also instills a culture of sustainability among its community, contributing to a greener and more responsible campus environment.

4. Green Campus Initiatives at Shri Ram College

At Shri Ram College, we are committed to creating a sustainable and eco-friendly environment through a series of impactful green campus initiatives. These efforts aim to reduce our ecological footprint and promote environmental awareness among students and faculty.

Waste Management and Recycling: Our college has implemented a comprehensive waste segregation system that encourages recycling and composting. We have designated bins across campus to properly sort plastics, papers, and organic waste, significantly reducing landfill contribution.

Energy Efficiency: We have upgraded our lighting systems to energy-efficient LED lights and installed motion sensors in classrooms and common areas to minimize energy consumption. Additionally, our campus buildings are designed with sustainability in mind, utilizing natural ventilation and daylighting to reduce reliance on artificial heating and cooling.

Sustainable Transportation: To promote eco-friendly commuting, we encourage students and staff to use bicycles and public transport. The college has established designated bike parking areas and is actively exploring partnerships with local transit services to enhance accessibility.

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We have fixed a day especially on this day campus has allowed to only bicycle in the campus. We are promoting electric scooter among the staff and students.

Green Spaces: We are enhancing our campus greenery by planting trees and creating community gardens. This not only helps to improve air quality but also provides students with a peaceful environment for relaxation and study.

Awareness Campaigns and Workshops: Regular workshops and events are organized to educate our community about sustainability practices. From tree planting drives to guest lectures on environmental issues, we aim to foster a culture of environmental stewardship.

Through these initiatives Shri Ram College strives to act as a model for other institutions, demonstrating the importance of sustainability and inspiring future generations to prioritize environmental responsibility.

5 Disabled-Friendly, Barrier-Free Environment

Shri Ram College, we are committed to fostering an inclusive and supportive educational environment for all students, including those with disabilities. Our goal is to ensure that every member of our college community has equal access to resources, facilities, and opportunities. Below are the key features and initiatives that contribute to our disabled-friendly, barrier-free environment:

1. Accessible Campus Design

Mobility Access: All buildings are equipped with wheelchair ramps, elevators to ensure easy access for individuals with mobility challenges.

Clear Pathways: Wide, clear pathways are maintained throughout the campus to facilitate smooth navigation for wheelchair users and individuals with other mobility aids.


Accessible Parking: Designated accessible parking spaces are available close to all building entrances, ensuring convenience for students and staff with disabilities.

2. Inclusive Facilities

Restrooms: All restrooms on campus are fully accessible and equipped with features such as grab bars, accessible sinks, and emergency alarms.

Classrooms and Laboratories: Classrooms are designed with adjustable desks and seating arrangements that accommodate students with different mobility needs. Specialized equipment is available in laboratories for students requiring adaptive technology.

Library Services: Our library offers assistive technology stations, such as screen readers, and has staff trained to assist students with disabilities in accessing resources.


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3. Assistive Technology

Educational Technology: The college provides a variety of assistive technologies, including speech-to-text software, notetaking assistance, and adaptive learning tools to support students with different learning needs.

Online Learning Access: Online platforms are designed to be fully accessible, featuring captioned videos, screen reader compatibility, and alternative text for images.

4. Support Services

Disability Services Office: Our dedicated Disability Services Office offers individualized support and accommodation tailored to each student's needs, including academic advising, tutoring, and counseling services.

Awareness and Training: Regular training sessions are conducted for faculty and staff on disability awareness, inclusion strategies, and the importance of creating a supportive learning environment.

5. Feedback Mechanism: We actively seek feedback from students with disabilities to continuously improve our facilities and services. Surveys and suggestion boxes are available to hear their voices and address their concerns.

6. Emergency Preparedness

Accessible Evacuation Plans: All emergency procedures consider the needs of individuals with disabilities. Clear evacuation routes are established, and designated aides are trained to assist those requiring help during an emergency.

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