



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

HARCOURT BUTLER TECHNICAL UNIVERSITY

NAWABGANJ, KANPUR - 208002, U.P., INDIA

(Formerly Harcourt Butler Technological Institute, Kanpur)

Phone : +91-0512-2534001-5, 2533812, website : <http://www.hbtu.ac.in>, Email : vc@hbtu.ac.in

100+
YEARS
1921 - 2021



SDG 12: Responsible Consumption and Production

(Ensure sustainable consumption and production patterns)

1. Objective

Responsible Consumption and Production aims to promote sustainable practices that minimize environmental effect, reduce waste, and conserve natural resources. The university's initiatives to promote sustainable consumption and production include the efficient use of resources across campus. HBTU has implemented a strong waste management system to properly manage resources and reduce waste generation. This goal is targeting to promote sustainable consumption patterns and reduce the negative environmental impacts of human activity which can be achieved by following key features.

(a) Sustainable Resource Management:

- Encouraging the efficient use of natural resources.
- Reducing waste generation through preventive measures, reduction, recycling, and reuse.
- Promoting eco-friendly technologies and innovation to minimize the environmental footprint of production processes.

(b) Sustainable Business Practices:

- Encouraging companies to adopt responsible business models that take environmental and social factors into account, not just profit.
- Supporting ethical supply chains, fair trade, and corporate social responsibility (CSR).

(c) Reducing Waste:

- Encouraging consumers to make conscious choices about the products they buy to minimize waste.
- Supporting the circular economy, where materials and products are reused, refurbished, and recycled, rather than disposed of after a single use.

(d) Consumer Awareness:

- Raising awareness about the environmental and social impact of the products consumers purchase.
- Supporting eco-labels and certifications that help consumers make informed decisions.



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(e) Policy and Legislation:

- Governments can implement policies and regulations to incentivize sustainable production and consumption, such as stricter waste management laws and promoting green infrastructure.

(f) Encouraging Innovation:

- Developing innovative solutions to reduce environmental impacts, such as creating products that require fewer resources and energy, or those that are biodegradable or recyclable.

2. Global Impact and Trends

- **Circular Economy:** As part of responsible consumption, many countries and companies are shifting towards a circular economy, where the lifecycle of products is extended, and waste is minimized.
- **Sustainable Fashion:** The fashion industry is one of the largest contributors to waste and environmental degradation. Responsible consumption in fashion means opting for ethical brands, sustainable fabrics, and recycling materials.
- **Food Waste Reduction:** Globally, food waste is a major issue. By promoting sustainable food production and consumption practices, the goal is to decrease food loss and waste during the course of the supply chain.

3. Initiatives implementation by the University

- a) Trainings, Expert talks, Plantation drives, Signature/Pledge Campaigns, Nature Walks, Educational Visits, and the celebration of various Environment related days are some of the activities that are organized by the various departments of university. These activities are designed to raise awareness and encourage behaviour change in order to preserve the environment.
- b) The university adopted the method of converting dry leaves into natural fertilizer by putting them into compost bins installed in East campus
- c) The university is dedicated to controlling and minimizing the amount of garbage produced on campus. The usage of files, bags, and other items made of recycled, eco-friendly materials is encouraged for both staff and students.
- d) For appropriate garbage disposal, dustbins have been placed at regular intervals and are frequently cleaned. Students and employees at the university are encouraged to separate wet and dry garbage.



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- e) To maintain the campus green, different plantation drives are held on a monthly basis. We have parks in the residential, academic, and administrative districts. Key species include mango, banyan, peepal, neem, and seasonal flowering plants including marigold and bougainvillea.
- f) As part of its sustainable investment and procurement policy, the university is dedicated to using the Government e Marketplace (GeM) site for all purchases
- g) To encourage the use of pollution-free transportation, the university runs a bicycle and hosts cycle.
- h) The University prohibits the use of single use plastic items on the campus.
- i) The University installed the Rain water harvesting systems in hostel premises to promote sustainable collection of water.
- j) The university have installed the Biogas plant close to Department of civil engineering which successfully utilizes the solid waste generated in the hostel.
- k) Solar Panels were installed on the rooftop of Girls' Hostel. University
- l) Residents can use the inexpensive E-Rickshaw service to commute within the campus.
- m) University encourages Staff, Professors, and students to carpool, bike, and take public transportation in order to lower campus carbon emissions.

4. Possible Changes in University

- a) University aimed to install Surface observatory and automatic weather station set up on the campus of the University in future.
- b) University plan to convert our campus to carbon neutral/Net Zero.
- c) They aimed to replace the CFLs installed in the university to efficient LED bulbs.
- d) The first working day of each month is designated as "no vehicle day," which lowers emissions and, consequently, air pollution.
- e) We are excited about possible partnerships with non-governmental organizations that can assist us in recycling and reusing as much of our dry waste as possible, including cardboard, tin boxes, papers and abandoned shoes and clothes that typically end up in the trash.