

June 23, 2022

Updated: Energy Efficiency Standards Policy- DIT University

1. Policy Statement

DIT University, Dehradun is dedicated to promoting sustainability, reducing energy consumption, and minimizing environmental impact in all aspects of our operations, including building renovations and new construction. We are committed to ensuring that our buildings are designed, renovated/constructed, and operated in alignment with energy efficiency standards, with the aim of creating a sustainable and energy-efficient campus environment.

2. Guiding Principles

DIT University's Energy Efficiency Standards Policy is guided by the following principles:

- **Energy Conservation:** We prioritize the responsible use of energy resources by employing innovative technologies, practices, and designs that minimize energy consumption and waste.
- **Sustainability:** Our building projects aim to have a minimal environmental footprint, reduce greenhouse gas emissions, and contribute to a healthier planet.
- **Cost Efficiency:** Energy-efficient building practices and systems not only benefit the environment but also help in reducing operational costs and ensuring the long-term sustainability of our institution.

3. Implementation

To achieve our energy efficiency goals in building renovations and new construction, DIT University will:

- **Design for Efficiency:** Strive to integrate energy-efficient design principles that encompass sensor-based systems, natural lighting, ventilation, and sustainable building materials.
- **Regular Energy Audits:** Explore to conduct periodic energy audits to assess the performance of our buildings and identify opportunities for improvement.
- **Technology Integration:** Integrate energy-efficient technologies such as LED lighting, efficient HVAC systems, and renewable energy sources where feasible.
- **Environmental Considerations:** Use environmentally friendly and sustainable building materials, aiming to reduce the ecological impact of construction.

Established vide Uttarakhand Act No. 10 of 2013
Recognized by UGC under Section 2 (f) of the UGC Act, 1956

- **Education and Awareness:** Educate and promote awareness among our campus community about the importance of energy conservation and sustainability.

4. Continuous Improvement

DIT University, Dehradun is committed to ongoing improvement in our energy efficiency standards. We will monitor the effectiveness of our policies and practices, adapt to emerging technologies and standards, and regularly update this policy to reflect our commitment to sustainability and energy conservation.

5. Compliance

All stakeholders, including contractors, students, staff, and faculty, are expected to adhere to this policy and contribute to the university's energy efficiency goals. Compliance will be monitored and enforced.

This Energy Efficiency Standards Policy reinforces DIT University's dedication to sustainability and our mission to create a campus environment that exemplifies best practices in energy conservation and efficiency.



A handwritten signature in black ink, which appears to read "Suhag".

Registrar

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The biggest challenge in modern society is to achieve 'Net Zero Emission' and to stop global warming due to Green House Gas (GHG) Emissions. The tremendous exploitation of non-renewable resources like fossil fuels is causing irrecoverable harm to nature by emitting all sorts of air pollutants and GHGs. The result is continuous increase of global average temperature, ice sheet melting, abrupt climatic consequences. One stop solution is to switch to alternative clean and green energy sources like Solar, Wind, Water etc. but not very easy with various economic, geologic and infrastructure reasons. However, society must continuously thrive to alternative energy resources through its technological advancement. UN SDG 7 promotes 'Affordable and Clean Energy' ensuring access to affordable, reliable, sustainable and modern energy. DIT University is in line with SDG 7 in making buildings with efficient energy rating appliances, using solar power at maximum usage, minimizing energy wastage and promoting new developments in green energy through research and collaboration activities.

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Energy Efficiency Standards and Policies at DIT University

At DIT University, while we may not hold formal certifications from organizations like Leadership in Energy and Environmental Design (LEED), Bureau of Energy Efficiency (BEE), or Green Rating for Integrated Habitat Assessment (GRIHA), our commitment to sustainability and energy efficiency in building projects remains resolute. As per the DIT University policy, we prioritize energy-saving measures in our renovations and new buildings, focusing on the integration of modern, eco-friendly technologies and practices. Our approach includes:

- Sensor-Based Systems
- Natural Lighting and Ventilation
- Energy-Efficient Technologies
- Regular Energy Audits
- Sustainable Building Materials

Our dedication to sustainability is evident through our holistic approach to energy efficiency. Our university's policies and practices align with the spirit of international standards, even without formal certification.

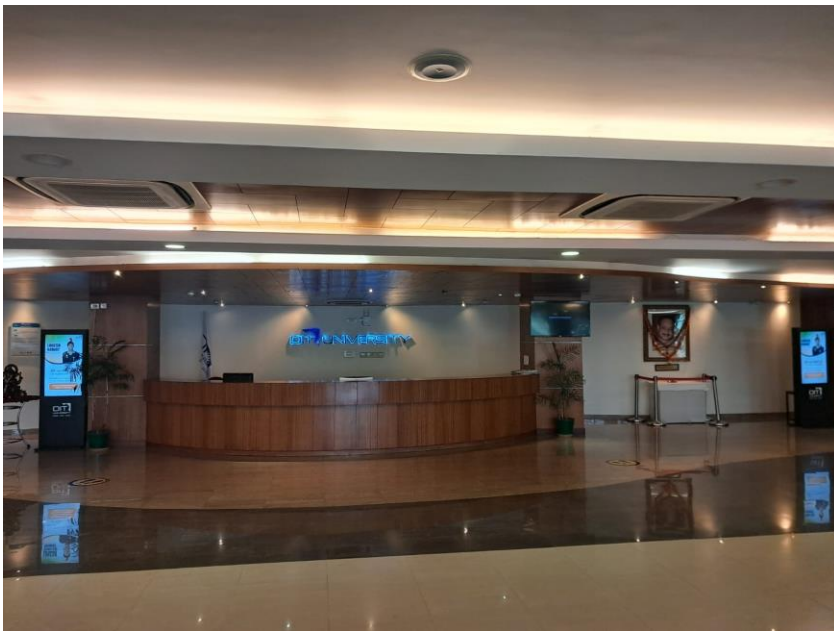
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Sensor-based energy conservation & Use of LED bulbs/ power efficient equipment



Sensor-based energy conservation

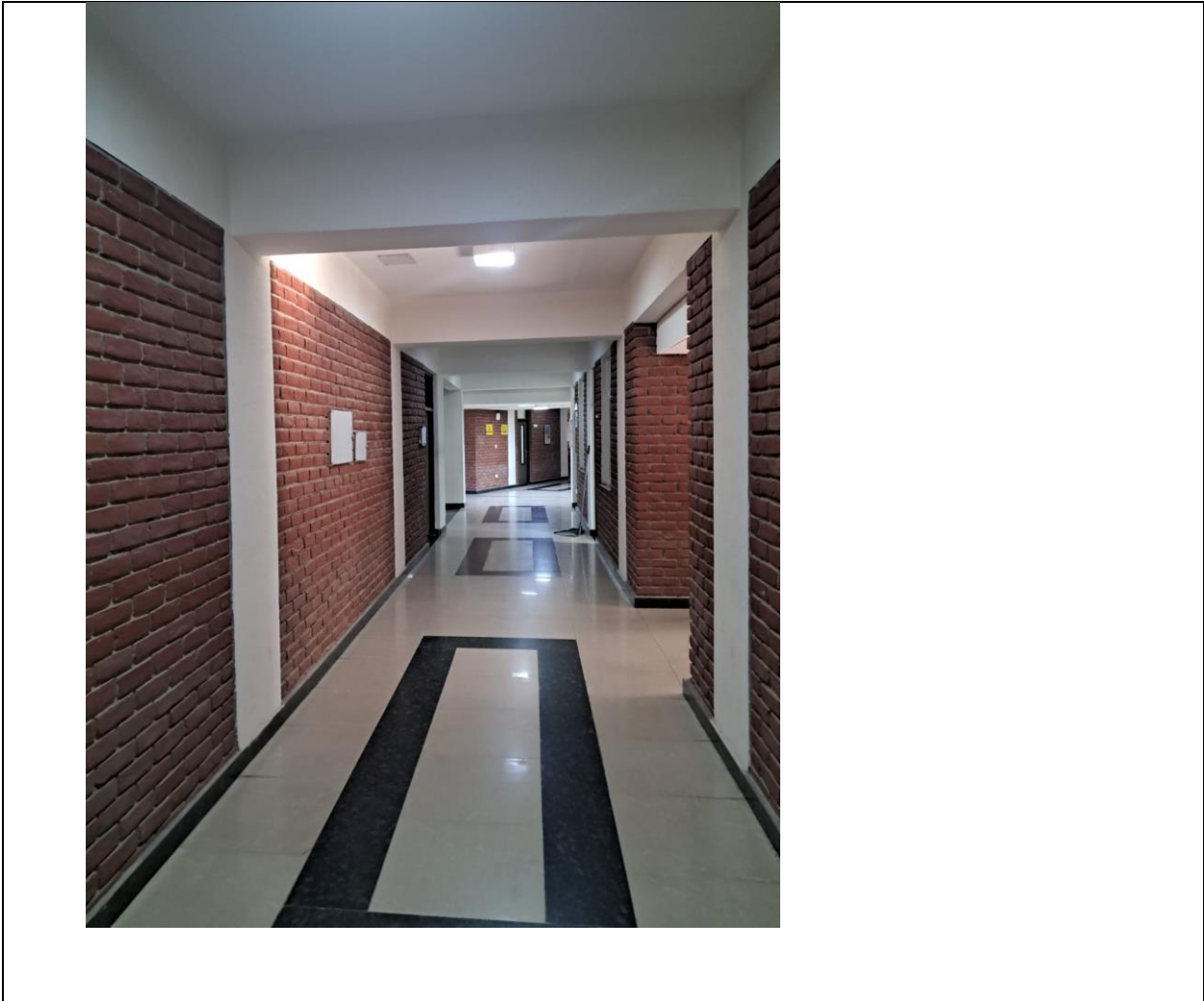
- Fitment of light sensors
- Light sensors have been installed in the campus
- Manufacturer- Philips (Legrand)



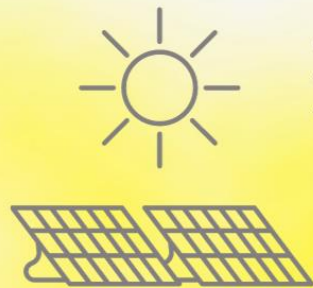
Use of LED bulbs/ power efficient equipment

- Use of Led Bulbs / Power Efficient Equipment's
 - Manufacturer - Wipro Lighting
 - Total Lighting Load - 294.40 Kw
 - Total LED Lighting Load - 270.53 Kw
- Percentage of LED / Total Lighting Load - 91.90%

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**AFFORDABLE
AND CLEAN
ENERGY**