

# DIT University Event Report 2022-23

## SDG-7



# DIT University Event Report 2022-23

**T**he 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.

# DIT University Event Report 2022-23

## CONTENTS

S. No.	Topics	Page No.
1.	Preface	
2.	Statement for Building Upgradation	1
3.	Building Upgradation Evidences	2

# **DIT University Event Report 2022-23**

## **University Plan for Building Upgradation with Respect to Energy Efficiency**

DIT University is actively committed to upgrading existing buildings to achieve higher energy efficiency. Our sustainability and energy conservation initiatives extend to improving the performance of older structures on our campus. These upgrades are in line with our broader sustainability goals, and our previous actions and ongoing plans include:

- Building Upgrades
- Solar Power Integration
- Solar Water Heating
- Water and Sewage Treatment
- Green Campus
- Electric Vehicle Charging

These initiatives reflect our dedication to sustainability, energy efficiency, and environmental stewardship. We remain committed to ongoing improvements in the energy efficiency of our existing buildings to contribute to a more sustainable future.

# DIT University Event Report 2022-23

## Building Upgradation



Old Building without:

- Light sensors
- Sensors on water taps
- LED lights



Upgraded Building with:

- Light sensors
- Sensors on water taps
- LED lights
- Bricks construction

# DIT University Event Report 2022-23

## Building Upgradation



Old Building without:

- Light sensors
- Sensors on water taps
- LED lights



Upgraded Building with:

- Light sensors
- Sensors on water taps
- LED lights
- Bricks construction

# DIT University Event Report 2022-23



# DIT University Event Report 2022-23



Vedanta Building-DIT University

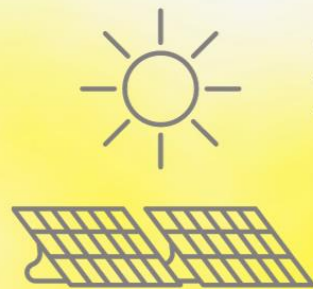


# DIT University Event Report 2022-23



Café Block High Energy Saving Light arrangement

# DIT University Event Report 2022-23



**AFFORDABLE  
AND CLEAN  
ENERGY**

August 24, 2023

## Energy Efficiency Standards Policy (Revised) 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/upgraded, 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:

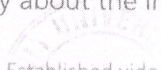
- **Energy Conservation:** We prioritize the responsible use of energy resources by employing innovative technologies, practices, and designs that minimize energy consumption and waste.
- **Sustainability:** Our building projects aim to have a minimal environmental footprint, reduce greenhouse gas emissions, 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.

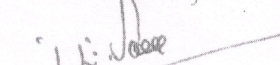
### 3. Implementation

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

- **Design for Efficiency:** We will integrate energy-efficient design principles that encompass sensor-based systems, natural lighting, ventilation, and sustainable building materials.
- **Regular Energy Audits:** We will conduct periodic energy audits to assess the performance of our buildings and identify opportunities for improvement.
- **Technology Integration:** We will employ energy-efficient technologies such as LED sensor based lighting, BLDC fans, efficient HVAC systems, and renewable energy sources where feasible.
- **Environmental Considerations:** We will use environmentally friendly and sustainable building materials, aiming to reduce the ecological impact of construction.
- **Education and Awareness:** We will educate and promote awareness among our campus community about the importance of energy conservation and sustainability.

  
Registrar  
Dehradun

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



**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, 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.

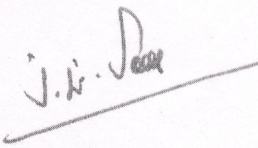
This Energy Efficiency Standards Policy reinforces DIT University's dedication to sustainability and our mission to create a campus environment that exemplifies best practices in energy conservation and efficiency.

**6. Promotion of University's Sustainability pledge as regular practice**

- Promotion of University's Sustainability pledge as regular practice in Academic Activities, field trips, outreach activities for students and faculty members.
- Promotion of the Sustainability pledge for University staffs to get more awareness, knowledge and commitment towards sustainable practices.

**7. Celebration of Events of Environmental Importance**

DIT University regularly celebrates World Earth Day, World Environment Day, Tree Plantation Program (specifically 'Harela', 'Ek Ped Maa Ke Naam'- State & Central Government initiatives), Cleanliness Drive ('Swachh Bharat Abhiyan' - Government of India initiatives), Conservation Awareness Programs. Students and Staffs of the University enthusiastically participate in these events and commit themselves for the Conservation of Environment. DIT University also invites participants from other Academic Institutions, Local villages and communities in these programs.

  
Registrar  
DIT University, Dehradun