



**Centurion**  
**UNIVERSITY**

*Shaping Lives...*

*Empowering Communities...*

# **CLEAN ENERGY POLICY 2024**



# CLEAN ENERGY POLICY 2024



**Centurion**  
**UNIVERSITY**

*Shaping Lives...*

*Empowering Communities...*

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT  
ODISHA



## FOREWORD



At Centurion University of Technology and Management, we are committed to advancing sustainable practices that benefit both our campus and the broader global community. Our *Clean Energy Policy* is a significant step forward in our effort to minimize our environmental impact and promote responsible energy use across all aspects of university life.

This policy outlines our dedication to reducing dependence on non-renewable energy sources by embracing clean, renewable energy alternatives. By implementing energy-efficient technologies and practices, we aim to lower our carbon footprint while setting a strong example of environmental stewardship for future generations.

The *Clean Energy Policy* is more than just a guide for our institution — it is a reflection of our broader mission to contribute to a sustainable, healthier planet. Through this initiative, we encourage our students, faculty, and staff to engage in responsible energy use and support the adoption of clean energy practices in their daily lives.

As a forward-thinking university, we are confident that this policy will not only enhance the sustainability of our campus but also inspire others to join us in the critical work of protecting our environment. I invite everyone to work together in realizing the goals set forth in this policy, making Centurion University a model of clean energy use and innovation.

A handwritten signature in blue ink, reading "Supriya Pattanayak".

Prof. (Dr.) Supriya Pattanayak  
Vice-Chancellor  
Centurion University of Technology and Management

# CONTENTS

<b>Preamble</b>	1
<b>1. Objectives</b>	1
<b>2. Scope</b>	1
<b>3. Specific Measures</b>	1
<b>3.1. Energy Conservation</b>	1
<b>3.2. Renewable Energy Sources</b>	2
<b>3.3. Energy Efficiency</b>	2
<b>3.4. Sustainable Transportation</b>	3
<b>3.5. Waste Reduction and Management</b>	3
<b>3.6. Research and Development</b>	3
<b>3.7. Education and Engagement</b>	4
<b>3.8. Monitoring and Reporting</b>	4
<b>4. Governance and Implementation</b>	4
<b>5. Compliance and Review</b>	5
<b>6. Energy Management Cell</b>	5
<b>7. Approval and Review</b>	6

# Clean Energy Policy

## Preamble

Centurion University is committed to sustainability and environmental responsibility. This Clean Energy Policy outlines our commitment to reduce carbon emissions, promote renewable energy use, and enhance energy efficiency across all university operations.

## 1. Objectives

- **Reduce Carbon Footprint:** To achieve a significant reduction in greenhouse gas emissions.
- **Promote Renewable Energy:** To increase the use of renewable energy sources.
- **Enhance Energy Efficiency:** To implement measures to improve energy efficiency.
- **Educate and Engage:** To promote awareness and engagement in clean energy practices within the university community.
- **Compliance and Leadership:** To ensure compliance with relevant regulations and position the university as a leader in sustainability.

## 2. Scope

This policy applies to all campuses, facilities, and operations of Centurion University, including academic buildings, residential areas, and administrative offices.

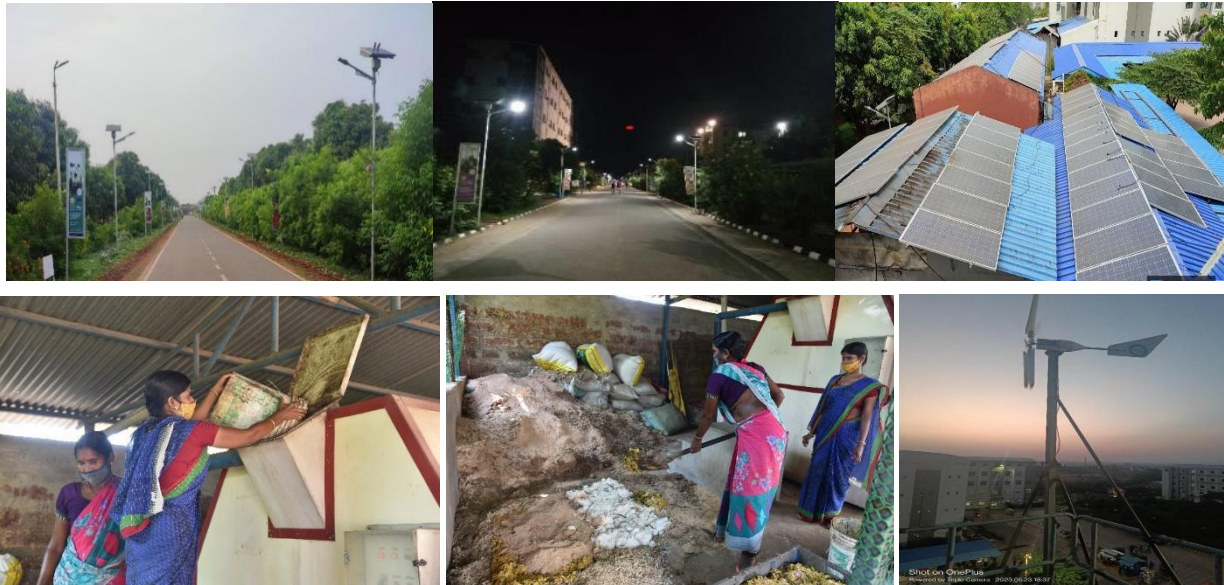
## 3. Specific Measures

### 3.1. Energy Conservation

- **Energy Audits:** To conduct regular energy audits to identify inefficiencies and opportunities for improvement.
- **Energy Management Systems:** To implement advanced energy management systems to monitor and control energy use.
- **Behavioral Changes:** To encourage energy-saving behaviors among staff, students, and faculty through awareness campaigns and training.

### 3.2. Renewable Energy Sources

- **Solar Power:** To install solar panels on rooftops and other suitable locations to generate electricity.
- **Wind Energy:** To explore the feasibility of installing wind turbines on campus.
- **Bioenergy:** To utilize organic waste from campus operations for bioenergy production.
- **Green Power Purchase:** To procure green power through renewable energy certificates or direct purchase agreements with renewable energy providers.



### 3.3. Energy Efficiency

- **Lighting:** To upgrade to LED lighting and install motion sensors to reduce energy consumption.
- **HVAC Systems:** Optimize heating, ventilation, and air conditioning systems for maximum efficiency.
- **Building Design:** Incorporate energy-efficient design principles in new constructions and renovations, such as improved insulation and passive solar heating.



### 3.4. Sustainable Transportation

- **Electric Vehicles:** To install charging stations and encourage the use of electric vehicles.
- **Cycling and Walking:** To develop infrastructure to support cycling and walking as primary modes of transport within the campus.



### 3.5. Waste Reduction and Management

- **Recycling Programs:** To enhance recycling programs for paper, plastics, glass, and electronic waste.
- **Composting:** Implement composting facilities for organic waste.
- **Waste Minimization:** Promote the practices that reduce waste generation, such as double-sided printing and use of reusable materials.



### 3.6. Research and Development

- **Sustainable Technologies:** Invest in research and development of sustainable technologies and practices.

- **Collaborations:** Partner with industry, government, and other academic institutions to advance clean energy initiatives.

### 3.7. Education and Engagement

- **Curriculum Integration:** Integrate sustainability and clean energy topics into the curriculum across disciplines.
- **Workshops and Seminars:** Conduct workshops, seminars, and training sessions on clean energy and sustainability.
- **Student Involvement:** Encourage student involvement in sustainability projects and initiatives.



### 3.8. Monitoring and Reporting

- **Performance Metrics:** Establish clear metrics to measure progress towards clean energy goals.
- **Regular Reporting:** Publish annual sustainability reports detailing achievements, challenges, and future plans.
- **Continuous Improvement:** Regularly review and update the Clean Energy Policy to reflect new technologies and best practices.

## 4. Governance and Implementation

- **Energy Management Committee:** Energy Management Committee responsible for overseeing the implementation of the Clean Energy Policy.
- **Roles and Responsibilities:** To define roles and responsibilities for faculty, staff, and students in supporting clean energy initiatives.

- **Funding and Resources:** Allocate sufficient funding and resources to support the implementation of clean energy projects.

## 5. Compliance and Review

- **Regulatory Compliance:** Ensure all activities comply with local, national, and international environmental regulations.
- **Policy Review:** Review the Clean Energy Policy every three years to assess progress and make necessary adjustments.

## 6. Energy Management Cell

The core responsibility of the Energy Management cell is to supervise the regular affairs of energy saving measures. The committee members periodically meet to review the development of green-energy usage and decreasing the wastages of the energy. Besides this, the committee pass directives on adhering the clauses of energy policy as when required. The committee constitutes following member:

- Prof. Jagannath Padhi, Director, CUTM, Bhubaneswar campus
- Prof. Rajesh Kumar Padhi, Director, CUTM, Rayagada Campus
- Prof. Pradeep Kumar Sarangi, Director, CUTM, Balangir Campus
- Dr. S.P. Nanda, Professor (School of Applied Science) & Dean (Administration), CUTM, Paralakhemundi Campus
- Prof. K.V.D. Prakash, Dean (HRD), CUTM
- Prof. Asish Ranjan Dash, Associate Professor, CUTM, Paralakhemundi Campus
- Mr. Chittaranjan Pattanayak, Sr. G.M. (HR and Admin), CUTM
- Dr. Rajendra Kumar Khadanga, Associate Dean, CUTM, Bhubaneswar Campus
- Dr. Sudhansu Kumar Samal, Associate Professor and HOD, Dept. of EEE, CUTM, Bhubaneswar campus
- Dr. Shiv Sankar Das, Assistant Professor, School of Management, CUTM, Bhubaneswar campus
- Prof. Surya Narayan Sahu, Assistant Professor, Dept. of EEE, CUTM, Bhubaneswar campus

## **7. Approval and Review**

This policy has been approved by the university administration and will be reviewed periodically to ensure its effectiveness and compliance with current laws and best practices. Any amendments to the policy will be communicated to the university community.



**Dr. Anita Patra**

**Registrar**

**Centurion University of Technology and Management**



REGISTRAR  
Centurion University of  
Technology & Management  
ODISHA









**Centurion**  
**UNIVERSITY**

*Shaping Lives...  
Empowering Communities...*

## **CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA**

### **CAMPUSES:**

**Paralakhemundi Campus**

Village Alluri Nagar  
P.O. – R Sitapur, Via- Uppalada  
Paralakhemundi, Dist.- Gajapati  
Odisha, India. PIN– 761211

**Bhubaneswar Campus**

Ramchandrapur  
P.O. – Jatni, Bhubaneswar  
Dist.- Khurda, Odisha,  
India, PIN– 752050

**Balangir Campus**

Behind BSNL Office  
IDCO land, Rajib Nagar  
Dist.- Balangir, Odisha  
India, PIN-767001

**Rayagada Campus**

IDCO Industrial Area  
Pitamahal, Rayagada  
Dist.-Rayagada, Odisha  
India, PIN-765001

**Balasore Campus**

Gopalpur,  
P.O.-Balasore  
Dist.-Balasore, Odisha  
India, PIN-756044

**Chatrapur Campus**

Ramchandrapur,  
Kaliabali Chhak,  
P.O-Chatrapur, Dist.-Ganjam  
Odisha, India, PIN-761020