



GITAM: GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(Deemed to be University u/s 3 of the UGC Act, 1956)

A Category - I Deemed to be University

Visakhapatnam | Hyderabad | Bengaluru

**The Policy for
Carbon Reduction Targets**

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1 Introduction

As a part of its contribution to the sustainability goals, GITAM Deemed to be University is committed to the carbon reduction targets, particularly for Scope 1 and Scope 2 emissions. GITAM, as a leading educational institution, recognizes its responsibility to address climate change and is committed to reducing its environmental impact. University conducts periodically the environmental audit report to assess the carbon emissions and the reduction in carbon emissions through its various efforts. GITAM has long been committed to promoting sustainability and environmental consciousness among its stakeholders.

To establish a solid foundation for carbon reduction initiatives, GITAM conducted a comprehensive greenhouse gas inventory to quantify its baseline emissions. This involved assessing both Scope 1 and Scope 2 emissions using globally accepted methodologies and reporting standards, such as the Greenhouse Gas Protocol.

1.1 Scope 1 Emissions:

Scope 1 emissions for GITAM were determined by identifying and measuring direct sources of greenhouse gas emissions originating from activities such as:

- Combustion of fossil fuels in on-campus facilities (e.g., boilers, generators)
- Emissions from university-owned vehicles
- GHG emissions from other onsite sources

1.2 Scope 2 Emissions:

Scope 2 emissions were assessed by analysing the consumption of purchased electricity, heat, and steam by the university. This also considered the indirect emissions associated with the energy purchased and consumed.

2 Carbon Reduction Targets:

GITAM has established the following carbon reduction targets to align with global climate goals and contribute to the broader efforts to mitigate climate change:

- Scope 1 Emissions: Reduce by 50% by 2030
- Scope 2 Emissions: Reduce by 30% by 2030

Strategies for Achieving the Targets:

GITAM has developed a comprehensive strategy to achieve the carbon reduction targets, integrating sustainability principles into its campus operations and community engagement. The strategies include, but are not limited to:

- Switch to renewable energy sources for electricity and heating.
- Install energy-efficient lighting and appliances.
- Improve energy efficiency in buildings.
- Purchase carbon offsets to compensate for emissions from purchased electricity.
- Improve energy efficiency in vehicles.

The carbon reduction targets will be implemented through a combination of policies, programs, and projects. These include:

- A new energy management policy that will require all buildings to achieve a minimum energy efficiency rating.
- A research and development program to support the development of new low-carbon technologies.

3 Renewable Energy Integration:

- Increasing the deployment of renewable energy sources (e.g., solar, wind) to power the campus and reduce reliance on fossil fuels.
- Exploring opportunities for setting up renewable energy generation facilities on campus.

4 Energy Efficiency Measures:

- Implementing energy-saving measures and technologies to optimize energy consumption in university buildings and facilities.
- Conducting energy audits and retrofitting buildings for improved energy efficiency.

5 Sustainable Mobility Initiatives:

- Promoting public transport, cycling, and carpooling among students, faculty, and staff to reduce transportation-related emissions.
- Transitioning the university-owned vehicle fleet to electric or low-emission vehicles.

6 Waste Management and Recycling:

- Enhancing waste management practices to minimise landfill waste and increase recycling rates on campus.
- Encouraging the adoption of sustainable practices among students and staff.

7 Awareness and Education:

- Organising sustainability-focused campaigns, workshops, and seminars to raise awareness among the GITAM community about climate change and carbon reduction.
- Integrating sustainability education into the curriculum fosters a culture of environmental responsibility among students.

8 Monitoring and Reporting:

GITAM will regularly monitor its emissions and progress towards achieving the carbon reduction targets. Transparent reporting mechanisms will be established to communicate updates, successes, and challenges faced during the implementation process to all stakeholders. The carbon reduction targets will be monitored and reported annually. This will be done through a combination of self-reporting and third-party verification.

9 Conclusion:

GITAM is committed to reducing its carbon emissions and achieving net zero emissions by 2050. With implementing the policies, programs, and projects outlined in this report, GITAM is confident that it can meet its carbon reduction targets and play its part in addressing the climate crisis. By adopting renewable energy, enhancing energy efficiency, promoting sustainable mobility, and fostering a culture of sustainability, GITAM aims to be a leading example in climate action within the educational sector.
