Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES
(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)
MoE, UGC & AICTE Approved
NAAC A++ Accredited

Carbon Reduction Target & Net Zero Commitment

Karunya Institute of Technology and Sciences (KITS) is deeply committed to environmental stewardship and climate action through its proactive approach to carbon reduction and the pursuit of net zero emissions. Aligning with global sustainability frameworks and national climate goals, the institution continuously works to minimize its carbon footprint across campus operations, infrastructure, and academic practices.

Karunya adopts a multi-dimensional strategy that includes energy efficiency measures, integration of renewable energy sources, sustainable transportation initiatives, waste reduction practices, and promotion of green building standards. The institution also emphasizes awareness, research, and innovation in climate-related domains, empowering students and faculty to contribute meaningfully toward a low-carbon future.

Through measurable targets, periodic monitoring, and transparent reporting, Karunya strives to transition towards a net zero campus, demonstrating leadership in sustainability and reinforcing its responsibility towards environmental conservation and future generations.

KITS Policy Action	**Corresponding India's NDC Goal (2022 Update)**	**Institutional Commitment (KITS)**
Adoption of renewable energy (solar PV, wind, bio-energy)	Achieve about 50% cumulative electric power installed capacity from non-fossil fuel-based energy resources by 2030	KITS shall progressively expand renewable energy generation capacity on campus through phased solar installation: 1 MW by 2030 and additional 1 MW by 2035; working towards 80% renewable energy contribution by 2035 and 100% renewable-based campus energy by 2040.
Reduction of campus energy intensity through audits, smart meters, energy-efficient infrastructure	Reduce emissions intensity of GDP by 45% by 2030, from 2005 level	While emissions-intensity is a national metric, KITS contributes institutionally by reducing energy use per student, per research output, and per built-space through annual audits, digital energy monitoring, optimization, and green infrastructure development.

Large-scale tree plantation & biodiversity enhancement programs	Create an additional carbon sink of 2.5–3 billion tonnes of CO_2e through forest & tree cover by 2030	KITS will increase tree cover and campus sequestration through planned annual afforestation drives, landscape greening, biodiversity zones, and orchard-based sequestration programs—supporting national carbon sink expansion.
Awareness, training, green literacy & student-led sustainability clubs	Promote sustainable lifestyles, climate justice & environmental awareness via Mission LiFE	KITS integrates climate and sustainability into curriculum, MOOCs, NSS/NCC activities, student clubs, public lectures and community outreach to develop long-term behavioral change aligned with Mission LiFE & climate education goals.
Net Zero target for KITS campus by 2040	India to achieve Net Zero by 2070	KITS commits to Net Zero emissions by 2040, 30 years ahead of national target, making the campus a lead climate-action model for higher education institutions and demonstrating accelerated decarbonization pathways.