AMITY UNIVERSITY MAHARASHTRA

Established vide Maharashtra Act No.13 of 2014, of Government of Maharashtra, and recognized under Section 2 (f) of UGC Act 1956.

Report on SDG 13

Climate Action

Reporting Year 2025



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Index of activities

No.	Activity	Date	School
1	Webinar on LEED Certification and Sustainability	25 September 2025	RICS School of Built Environment
2	Two-Day IIC Event: Tourism Careers, Research and Sustainable Development	27–28 February 2025	Amity Institute of Travel and Tourism
3	Wildlife Tourism Conclave and Awards: Student Volunteering	24–26 January 2025	Amity Institute of Travel and Tourism
4	Faculty Development Programme: Fundamentals of Remote Sensing and Smart Materials	11–18 August 2025	Amity School of Engineering and Technology
5	Seminar on The Future of Cargo Management	12 November 2025	Amity Institute of Travel and Tourism in collaboration with CII School of Logistics
6	Tree Plantation and Environmental Conservation	5 July 2024	Amity Institute of Liberal Arts

Climate Action Plan Policy

Amity University Maharashtra operates under a structured Climate Action Plan to systematically integrate environmental sustainability across four core organizational pillars: curriculum architecture, specialized research, community outreach, and green procurement loops. Under the administrative authority of the Vice Chancellor, the university mandates a 4-credit Environmental Science course across all undergraduate programs and actively calculates campus carbon footprint impacts during institutional procurement and financial investments. Following policy expansions in 2023 and 2024, AUM formally integrated a Net Zero baseline, introducing Greenhouse Gas (GHG) emission measurement frameworks, student gamification awareness techniques, and collaborative research incentives to align campus operations with state, national, and University Grants Commission (UGC) climate directives.

https://www.amity.edu/mumbai/pdf/sustainbility/1.%20Climate-Action-Plan-Policy-AUM.pdf

"AmiSustain" Club Activities

The "AmiSustain" Club at Amity University Mumbai functions as a dynamic, student-led organization dedicated to promoting climate awareness and environmental conservation through hands-on ecological campaigns, regional collaborations, and grassroots community drives. Under the direction of student leadership and academic faculty mentors from the Amity Institute of Biotechnology (AIB), the club's post-event records highlight impactful green initiatives executed throughout 2024. These include a collaborative Beach Cleaning Drive at Mahim Beach with Project Mumbai, which successfully cleared 90.75 kilograms of plastic shoreline debris, and an extensive, multi-week Donation Drive partnering with the Bahena Charitable Trust to deliver 20 cartons of vital academic supplies and clothing to support underprivileged children's quality education. Furthermore, the club systematically fosters widespread environmental awareness and student mobilization on campus by organizing interactive, community-centric event formats during the university's flagship festivals—including the Walkie Talkie and Scavenger Hunt obstacle tracks at Aminova '24, and targeted

recruitment drives like Jashn'24—to seamlessly weave practical sustainability and circular-resource values into the daily student lifecycle.

Carbon Reduction Target Covering Scope 1 & 2 Emissions By Year 2050

Amity University Maharashtra operates under a rigorous Carbon Reduction Target policy (Ref. No: AUM/RO/1542) that establishes an ambitious roadmap to neutralize its Scope 1 and Scope 2 greenhouse gas emissions by the target year 2050. To curb direct Scope 1 emissions, the university combines rigorous internal energy audits and equipment optimizations with strategic investments in low-emission machinery, cleaner biofuels, and campus electric transport fleets, while exploring technical carbon capture and storage (CCS) systems. Simultaneously, its off-site indirect Scope 2 emissions are countered by accelerating on-site solar panel generation, expanding battery storage capacities to maintain a stable, clean grid supply, and establishing long-term Power Purchase Agreements (PPAs) with competitive green energy suppliers. Formally updated by the Sustainability Committee in 2024, the framework mandates continuous monitoring against ISO 50001 energy standards, employee and supplier sustainability collaborations, and intensive campus awareness programs to regulate daily resource footprints and maintain alignment with global carbon neutrality benchmarks.

https://www.amity.edu/mumbai/pdf/sustainbility/9.%20Carbon%20Reduction%20Target%20Covering%20Scope%201%20and%202.pdf

Strategy on Reaching Net-Zero

Amity University Maharashtra operates under a comprehensive, long-term Strategy on Reaching Net-Zero (Ref. No: AUM/RO/1543), structured to actively contribute to the global objective of minimizing global warming to 1.5°C by 2050

. The strategic roadmap combines the identification and systematic reduction of target greenhouse gases—specifically Carbon Dioxide, Methane, and Nitrous Oxide with major

investments in on-campus solar infrastructure and exploratory plans for wind, hydro, and geothermal energy expansion. To sustain this balance, the university enforces advanced building insulation, the adoption of clean-energy electric vehicles (EVs) for all campus operations, active circular economy principles focused on durable and recyclable procurement, and localized afforestation grids that serve as natural carbon sinks. Reviewed and updated in June 2024, the framework mandates the automated monitoring of electricity supply across all academic and administrative blocks alongside mandatory Environmental Studies coursework to ensure active stakeholder compliance and conservation tracking across all campus facilities.

Courses On Climate Science and / or Environmental sustainability:

The Environmental Studies ENV2151 at Semester 1, and Environmental Studies ENV2251 of the UG programs across the Amity University Maharashtra carrying total 4 credits are taught in the curriculum.

https://www.amity.edu/mumbai/pdf/sustainbility/11.%20Courses%20on%20Sustainability%20and%20Climate%20Change%20-AUM.pdf

Energy And Sustainable Infrastructure Practices

- Renewable Energy Installations: The university has specifically installed and integrated Solar Panels as an active on-campus renewable energy source.
- Carbon Footprint Reduction Measures: To lower its environmental footprint, the institution executes a three-pronged approach consisting of energy-efficient buildings, renewable energy installations, and sustainable procurement strategies.
- Operational Integration: These practices are maintained alongside a comprehensive sustainability framework that includes rooftop rainwater harvesting systems, percolation pits, storage tanks, and comprehensive campus recycling and composting infrastructure.

Event-wise outcome evidence

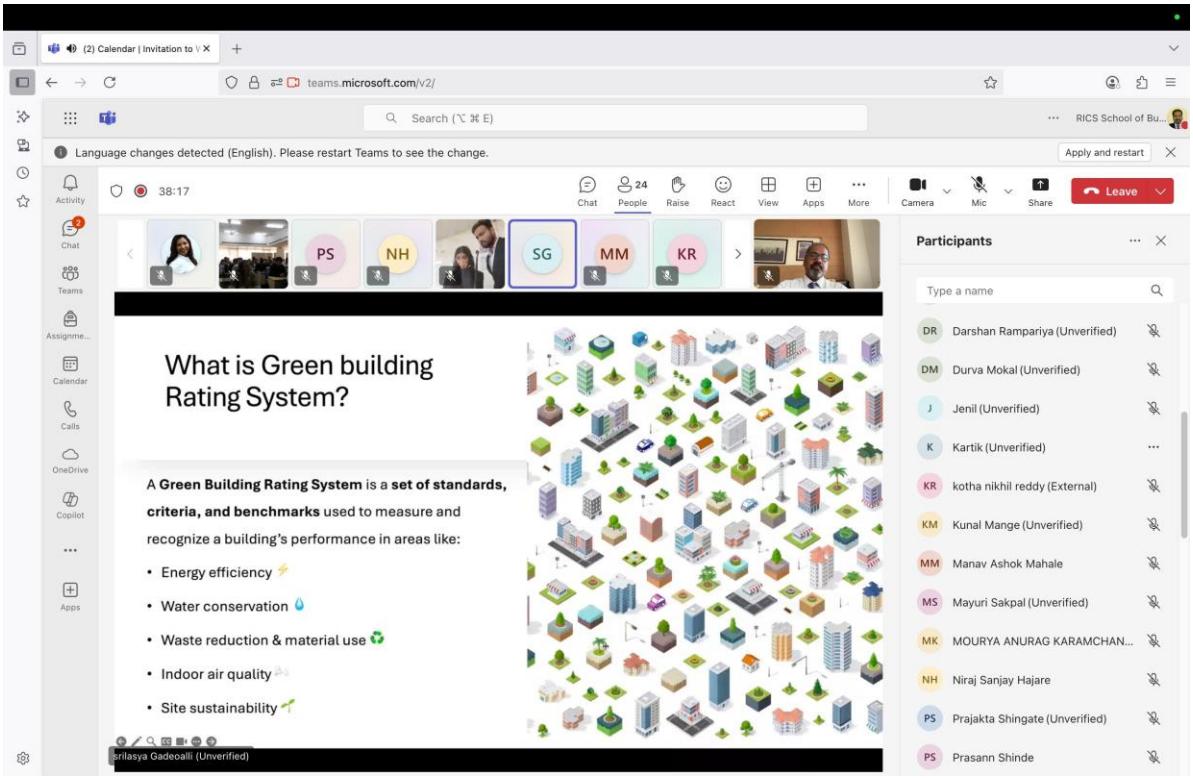
1. Webinar on LEED Certification and Sustainability

Date: 25 September 2025

Venue: RICS School of Built Environment, Amity University Mumbai

Organising school: RICS School of Built Environment

The 69-participant webinar featured Ms Srilasya Gadepalli, Sustainability Consultant at Green Initiative DWC LLC, UAE. It introduced LEED certification, energy and resource efficiency, and a LEED Platinum building case study. This provided climate-relevant knowledge about the built environment.



2. Two-Day IIC Event: Tourism Careers, Research and Sustainable Development

Date: 27–28 February 2025

Venue: Zoom platform, Amity University Mumbai

Organising school: Amity Institute of Travel and Tourism

Two online expert sessions on tourism trends, research opportunities and sustainable development brought together a reported 65 participants. Presentations encouraged attention to responsible tourism and balancing sector growth with sustainability.



3. Wildlife Tourism Conclave and Awards: Student Volunteering

Date: 24–26 January 2025

Venue: Sanjay Gandhi National Park, Mumbai

Organising school: Amity Institute of Travel and Tourism

Eight MTTM students volunteered at the Wildlife Tourism Conclave and Awards. The report describes conservation-focused discussions, community-centric practices and event production using cardboard. It demonstrates environmental stewardship and sustainability learning.



4. Faculty Development Programme: Fundamentals of Remote Sensing and Smart Materials

Date: 11–18 August 2025

Venue: Seminar Hall, A2 Block and online

Organizing school: Amity School of Engineering and Technology

The programme engaged 74 participants in fundamentals of remote sensing, smart materials, interdisciplinary research and applied technologies. These methods can be used to observe environmental change and support climate-informed planning.



5. Seminar on The Future of Cargo Management

Date: 12 November 2025

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Venue: Multipurpose Hall, Amity University Mumbai

Organizing school: Amity Institute of Travel and Tourism in collaboration with CII School of Logistics

A 50-participant seminar examined trends in cargo management, including technology, multimodal logistics and sustainability practices. Environmental efficiency was part of the industry discussion.



Tree Plantation and Environmental Conservation

Date: 5 July 2024

Venue: Bhatan Village, Maharashtra

Organising School: Amity Institute of Liberal Arts

Participation: 24

The Amity Institute of Liberal Arts conducted a tree plantation activity in association with Bhatan Gram Panchayat to encourage environmental conservation and community participation. The initiative provides a practical example of nature-based environmental action, with potential relevance to climate-change mitigation through increased vegetation cover.

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