AMITY UNIVERSITY
UTTAR PRADESH

ECO -FRIENDLY CAMPUS INITIATIVE

The Amity University Noida campus is spread over 4.5 million sq. Ft. of built up area, and the entire campus is ever green with a variety of trees, bushes and grass. The fauna and flora are very rich and the buildings in the campus are constructed in continuum to the greenery. With a total area of 3,87,077.86m2 the amity campus is a green campus with total green cover of 1,45,865.23 m2 with tree cover of 72,982.77 m2 and 72,882.46 m2 grass cover. the landscaping of the campus makes it one of the most beautiful and modern campuses.

Introducing eco-friendly initiatives at the university level is a vital step toward fostering sustainability, environmental responsibility, and a greener future for both campuses and the wider community. These initiatives encompass a range of practices and programs aimed at reducing the environmental footprint of educational institutions while educating students and the community about the importance of ecological preservation. These initiatives serve as a model for the integration of sustainability principles in various aspects of university operations and campus life.

Eco-friendly initiatives at the University level typically encompass the following key areas:

1.**Waste management:** Amity University has achieved high standards in waste management by promoting recycling, reducing waste, and implementing waste reduction programs. Implementing a thorough waste segregation system guarantees that hazardous trash is handled safely and that recyclables are processed correctly. The University adheres to a strict hazardous waste management strategy, reducing the effect of potentially hazardous items on the environment. A thorough Environmental Management Plan that fully considers every area of the campus's environmental effect serves as the foundation for these programmes. Amity University's key operations has very less impact on the environment as the University is very conscious of generating less waste and recycling it by passing it through a system that enables the used material to be reused. Waste segregation, recycling and disposal is as per the current Solid Waste Management (SWM) rules of 2016 on the subject. The waste is given to second party vendor M/S AG Enviro Infra Projects Pvt. Ltd, as per contract since 2019 for 10 years. Posters placed in Academic Blocks to create awareness. Waste Paper, Cardboard, Other useful scrap material disposed of for value. The biomedical waste is collected by M/S Synergy Waste Management P Ltd and the contract is renewed annually. Lab Waste treated in ETP. Centralised more Efficient sturdy bins are placed for plastic waste collection**.**

2. **Sustainable Infrastructure:** Amity University invest in energy-efficient buildings, eco-friendly construction materials, and renewable energy sources to reduce energy consumption and carbon emissions. University follow green building certifications like LEED (Leadership in Energy and Environmental Design) to construct environmentally responsible buildings that are energy-efficient, use sustainable materials, and provide healthy indoor environments.

3. **Green Transportation:** Promoting alternative transportation methods such as biking, walking, public transportation, and carpooling to reduce the carbon footprint of commuting.

4.**Biodiversity Conservation:** Universities maintain green spaces, wildlife habitats, and tree planting initiatives to support biodiversity and provide natural environments for research and education. Amity has made a commitment to creating a "Green Campus." The campus serves as a tangible illustration of sustainable landscaping and infrastructure, encouraging biodiversity and minimising ecological damage. To maintain a peaceful coexistence between infrastructure expansion and environmental preservation, the institution has launched major tree planting campaigns and uses environmentally friendly building techniques. In subsequent greening efforts, the initiative of labelling the trees with their botanical names and names in local language was continued and more number of trees added to enrich the biodiversity of the campus. The labelling process is now completed; but, with several trees grown up with added standing biomass, the bigger trees will have to be measured at breast height and tree data entered in a register. Some of the trees seen commonly in the campus and in the neighbourhood are hosts to multiple varieties birds and insects.

5.**Water Conservation:** Employing water-saving technologies and practices, as well as adopting efficient landscaping and irrigation systems to reduce water consumption. The Zero Water Discharge project at Amity University is one of the institution's signature efforts and a sign of its commitment to water conservation. The institution has drastically decreased its total water footprint by using cutting-edge technology and procedures for water recycling and reuse. Amity's Rainwater Harvesting facility, a sophisticated network of wells placed strategically across the campus, stands out among its water management tools. These wells act as storage facilities for rainfall, thereby converting the campus into a centre for independent water supply. 42 wells, 227 boreholes, and a remarkable capacity of 40,000 litres each well tell eloquently about the scope and ambition of this undertaking.


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6.**Sustainable Food Practices:** Sustainable food practices at the university level involve promoting responsible and eco-friendly choices in campus food services, agriculture, and education. These practices not only reduce the environmental and social impact of university food systems but also help educate students and the community about sustainable food choices.

7.**Environmental Education:** The University offer undergraduate and graduate programs in environmental studies, environmental science, sustainability, ecology, and related fields. These programs provide students with a strong foundation in environmental knowledge and research skills. Integrating sustainability into the curriculum, hosting awareness campaigns, workshops, and events, and supporting research related to ecological and environmental topics. University facilitate research on environmental topics through faculty-led projects, research centers, and laboratories, allowing students to engage in cutting-edge research on critical environmental issues.

8.**Renewable Energy:** Incorporating renewable energy sources like solar panels to generate clean energy on campus. Solar panels are capable of generating power with zero emissions. The generated power can be used to feed your energy demand, perfectly replacing conventional energy needs with green energy. All vehicles entering University have “Pollution Under Control” certificate. All the HVAC equipments are “Freon Free Gases Emission” certified. Solar Energy System has an automated system which accounts for reduction in carbon footprint. Campus strictly follows "No Smoking Zone" principle. University adopts Green Computing and uses VMware and Electronic e-Waste disposal is through approved R2 certified vendor. Amity has been awarded “Go Green Innovation” by N-Computing. Sensor based lighting system in few classrooms is installed. The message finally will be conveyed to the society and desirable changes in lifestyles of the community achieved - through peer and familial pressures.

9.**Community Engagement:** Community engagement practices at the Amity University involve actively collaboration with their surrounding communities to address shared challenges, foster mutual benefits, and contribute to the betterment of local and global society. These practices promote a two-way exchange of knowledge, resources, and expertise between the university and the community. Involving students, faculty, and staff in sustainability initiatives and encouraging them to participate in environmental projects both on and off campus and extension activities to fostering a culture of environmental responsibility.