

Report

World Environment Day, 5th June 2026

The Department of Environmental Science & Engineering, in association with the Institute Innovation Council (IIC), Delhi Technological University, observed World Environment Day on 5th June 2026 with a thought-provoking lecture and a symbolic tree plantation activity.

We were privileged to host Er. Rajesh Banga, Additional Director General (Works), CPWD, Government of India, who delivered an insightful address on "Eco-friendly Construction Technologies being used in CPWD." The session brought together students, researchers, faculty members, and professionals to explore how sustainability is being integrated into large-scale public infrastructure projects across the country. Key sustainability initiatives highlighted by the esteemed speaker included:

- **Construction & Demolition Waste Recycling:** C&D waste generated from demolition activities is recycled into aggregates, paver blocks, and non-load-bearing walls, exemplifying circular economy principles in infrastructure development.
- **Tree Conservation and Transplantation:** Instead of felling trees, CPWD undertakes tree transplantation with significant survival rates and compensatory plantation at a much larger scale, ensuring enhancement of green cover.
- **Sustainable Building Materials:** Extensive use of fly ash, recycled sand, gypsum plaster, cement fly ash bricks, curing compounds, and double-glazed units demonstrates a comprehensive approach to sustainable construction.
- **Integrated Water Management:** Large-scale wastewater treatment, rainwater harvesting, water recycling, and sensor-based fixtures have enabled substantial reductions in freshwater consumption while promoting water circularity.
- **Renewable Energy and Energy Efficiency:** Energy-efficient systems coupled with solar power generation are contributing significantly towards reducing the carbon footprint of institutional buildings.
- **Waste-to-Resource Practices:** Organic waste is converted into manure through integrated solid waste management systems, reinforcing resource recovery and sustainability within campus ecosystems.

A special highlight of the event was the launch of the website and mobile application of "Paryavarnam", the Department's weekly environmental newsletter, aimed at promoting environmental awareness and knowledge dissemination.

The celebration concluded with a symbolic tree plantation activity outside the Department premises, reaffirming our collective commitment to environmental conservation and sustainable development.




