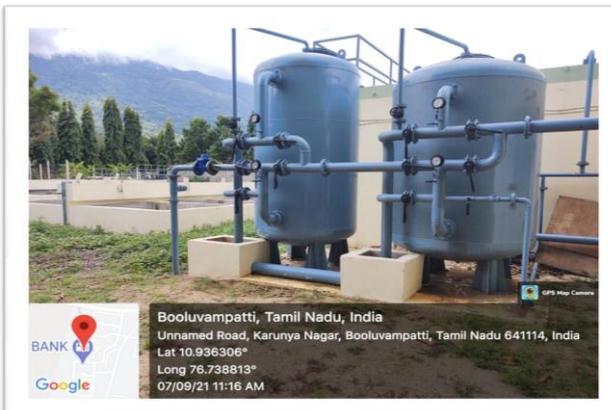


UI GreenMetric

University : Karunya Institute of Technology and Sciences,
Karunya Nagar, Coimbatore- 641114.
Country : India
Web Address : www.karunya.edu/

[2] Energy and Climate Change (EC)

[2.5] Renewable Energy Sources in Campus

	
<p>A functional 115 kW solar power plant</p>	<p>No. of Biogas Plants: 4</p>
	
<p>87,600 LPD Solar Water heating system</p>	<p>Solar Street Lights</p>

Description:

Located at 30 km from Coimbatore, TamilNadu, Karunya Institute of Technology and Sciences (KITS) is situated amidst the mountain ranges of Western Ghats, one of the world's eight 'hottest hotspots' of biological diversity, as declared by UNESCO.

The vast residential campus experiences a perfect monsoon system that provides an ideal ambience for living and learning

KITS in South India has a student population around 8573 and staff population around 500. The campus has a built-up area of 2.44 lakh sq.m and an institutional agriculture farm of 329 acres, or 840498.58 square meters.

The institution encourages the use of energy-efficient equipment and has made steps to upgrade antiquated infrastructure to make it more energy-efficient. The University follows a robust policy to ensure that all renovations / new builds are following energy efficiency standards. The constant monitoring of the policy in the campus has resulted in decrease of Carbon emissions, optimizing the electricity consumption and minimizing wastage by using energy efficient fixtures and reducing the running cost.

- As part of energy conservation initiatives, a functional 115 kW solar power plant, 29 solar water heaters, 7958 LED lights are in place saving approximately 15,00,000 units/annum.
- For water conservation, treatment and management, 33 rainwater harvesting units and a 25,000 litres capacity ferro-cement tank for rainwater harvesting are in operation.
- To recycle and reuse wastewater, 5 Sewage Treatment Plants-STPs are installed on campus and the treated water is used for farming and gardening.
- Another initiative in managing wastewater in the students residences is the replacement of septic tanks with four biogas plants that generate 114kg/day of cooking gas, thereby reducing the consumption of LPG.
- An eco-friendly paper recycling unit converts 150-200 kg of wastepaper into compact boards, files and writing pads.

For additional information, please click the following link:

www.karunya.edu/iqac/Rankings/UIGreenMetric/Energy & Climate Change/2.5 Additional.pdf