



## നവകേരളം കർമ്മ പദ്ധതി-2 തിരുവനന്തപുരം

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## Indian Institute of Space science and Technology

### Thiruvananthapuram

### Green Audit report

### Executive Summary

The government of Kerala initiative Haritha Keralam Mission, and the representatives of Suchitwa Mission, Nedumangad Municipal Corporation and Eco Club@IIST made a joint physical audit on the environment sustainability, water management, and waste management techniques followed by the institute. The committee also verified the environmental activities and management followed by the students, faculty, and staff members of the institute and approved that they are as per the Green policy adopted in the institute. The main objectives of the audit are;

1. To verify whether the institute is adhering to the environmental activities and management practices as per the Green Policy adopted by the institute.
2. It also evaluates the Green practices implemented in the institute to reduce the environmental impact of the organization and individuals.

#### Summary of the Audit

##### a. Environmental Sustainability Methods

The committee assessed the integration of sustainability activities and the impact of sustainability programmes and initiatives. The campus nurtures native plants that require less water and maintenance and supports organic gardening by avoiding pesticides and fertilizers, it also uses drip irrigation and other water-efficient techniques. It maintains ample green spaces for recreation and environmental benefits. The campus effectively follows landscaping by using native and drought-tolerant plants to reduce water usage. and green space management practices, and strictly makes sure the usage of eco-friendly materials and products. Various other committees periodically review energy conservation measures and the use of renewable energy resources, and also recommend and evaluate efforts to reduce the carbon footprint, including transportation policies and infrastructure for walking, cycling, or electric vehicles. Thus it aims to implement robust environmental sustainability methods involving sustainable practices in all aspects of the institution's operations, activities, and culture.

b. Water Management

The Committee also examined the water usage practices and efficiency measures, and assessed the the effectiveness of water conservation programs. It reviewed systems for rainwater harvesting, wastewater treatment, and reuse and approved the water-saving technologies and practices inside the institute. They checked the various water saving, and water recycling methods adopted in the institute, especially the water retention ponds and wetlands inside the campus are effectively retaining water. IIST makes sure that its employees and students are responsible in using water, and there are effective measures to reduce and reuse the water. As effective water management is crucial for sustainability and environmental stewardship, our campus adopts strategies and practices to use water efficiently, reduce waste, and maintain the quality of water resources. They also conduct regular testing of water quality to ensure it meets health and safety standards.

c. Waste Management

The Committee evaluated the institute's waste management policies and practices. It also reviewed segregation, recycling, and disposal methods for various types of wastees organic/biodegradable, plastic, and paper. It assessed the effectiveness of waste reduction initiatives and campaigns inside the institute. Effective waste management is essential for reducing the environmental impact of an institute and promoting sustainability. It involves reducing waste generation, promoting recycling and reuse, and ensuring proper disposal of waste materials. Our campus encourages practices that reduce waste at the source, such as double-sided printing, and using digital documents, and encourages the use of reusable items like water bottles, and coffee cups, and promotes recycling programs by providing clearly labelled recycling bins for paper, plastics, metals, and glass in convenient locations around campus. It also collaborates with local recycling facilities and waste management companies to ensure proper processing of recyclable materials.

By focusing on these objectives and detailed analysis points, the audit provides a thorough evaluation of the institute's commitment to environmental sustainability and adherence to its Green Policy.

In the examination conducted at IIST Valyamala they have claimed this achievement from 2020 and the investigation has convinced them to be correct.



  
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