

PROVIDENCE WOMEN'S COLLEGE
CALICUT-673009

CRITERION 7.1.3

ACTION TAKEN REPORTS

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ACHEIVEMENT REPORTS

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ACTION TAKEN REPORT

The Energy, Environment and Green audit analyzed environmental practices within and outside the college campus, with an impact on the eco-friendly ambience. The following follow up actions were taken,

Sustainable and efficient use of energy :

- **Installation of energy efficient gadgets :** Use of Star (5-Star) rated air conditioners products in seminar halls so as to use less energy, achieving emission reductions and to reduce air pollution thereby protecting the climate (2018)
- **Switch to cleaner energy resources :** Harvesting energy generated using renewable energy sources viz., Solar, that emit no or negligible air emissions, thus reducing the environmental impact, and provide greater control of the energy use with installation of the 40kW solar on grid power plant (2019)
- **Future Ready Buildings :** As an institutional policy, to have energy efficient systems only, the new library complex was equipped with LED bulbs, tubes and energy efficient fans (2022)
- **Creating awareness to the future-through the future:** Solar lamp assembling/ led assembling workshop organized for public and students, with the help of student ambassadors

Partnering with ‘My Waste, My Responsibility’ initiative for Waste management

- **Non-degradable waste management :** The modular Material Collection Facility (MCF), suitable for homesteads and other establishments, an initiative of the Kozhikode-based Niravu Zero Waste Management, was installed, thus the Micro MCF now facilitates source-level segregation of dry waste before it is shifted to government facilities.
 - The Micro MCF is a metal structure comprising eight compartments that could be fixed on a wall.
 - The compartments are lined with cloth bags for ease of removal.
 - Waste is segregated as it is deposited in the compartments based on its nature such as plastic covers, plastic bottles, metals, glass, paper, medicine strips and thermocol. (2022)

- Non biodegradable Waste management is also taken up in association with Haritha karma sena (2022)
- **E-waste management** : is being implemented in association with Karosambav Private Limited for which the institution has entered into a MoU(2022)
- **Biodegradable Waste management** : Ring compost units are installed to manage vegetable waste in canteen facility (2022)

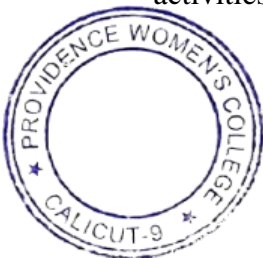
Addressing environmental concerns


- **Official signatory to the Race-to-zero campaign** : Powered by the UN Environment Programme, EAUC & Second Nature - Race to Zero is a global campaign to rally leadership and action in the education sector. The Institution strategic plan envisages to pursue the global sustainable development goals, and thus imperative that we contribute to the reduction of Carbon emissions. This journey has to be a global 'race', if we need to deal with impact of climate change on the planet, hence joined the Race to Zero initiative. Adding to its many green initiatives, the following has been taken up
 - Rain water harvesting and storage system is in place
 - Planting on campus, in adopted schools, popularising medicinal plants, etc has been intensified.
 - Since student vehicles outnumber the staff vehicles, students' vehicles have been prohibited entry inside the campus, this would reduce the emissions significantly
 - Organic farming, energy & environment conservation programs are promoted
- **Partner to the 'NATURE POSITIVE Universities'** Initiative of the University of Oxford, UK (2022) : The institution now attempts to halting and reversing nature loss so that species and ecosystems start to recover. As being part of the Nature Positive initiative, we intend to restore species and ecosystems that have been harmed by the human impacts. To be Nature Positive there must be a measured biodiversity baseline, timeframe, a target, and reporting, towards this, we have the following,
 - **Maintenance of the Biodiversity register**: A documentation of the flora and fauna on campus

- **Butterfly garden** : The most important component of biodiversity that ensures pollination and sustainable food production, hence a checklist of butterflies is also being documented
- **Apiculture**: The vast majority of plant species, rely on bees to reproduce, making them responsible for the food we eat. Hence apiculture unit has been set on campus
- **Vermicomposting** unit: All organic waste is being vermi composted, so as to convert organic materials into a valuable soil amendment for plants as it boosts the nutrients available to plants and enhances soil structure and drainage. Vermicompost has been proven to increase plant growth and suppress plant disease and insect pest attacks.
- **Establishment of a Musa Genebank**: traditional varieties and land races of Musa, indigenous to the region, is being conserved and cultivated on campus. This is create and awareness of richness of Biodiversity as well as a sense of responsibility to preserve traditional knowledge (2022)
- **Integrated Fish Farming** : this project was undertaken with support under the Unnath Bharath Abhiyan project of MoE, in the adopted village of Kuruvattoor (2022)

CLEAN & GREEN CAMPUS: ACHIEVEMENT REPORT

- ❖ The College has received certificates for Green, Energy and Environment auditing from GoI Approved Energy auditor, M/S Ottotractions, Thiruvananthapuram, based on the ongoing efforts taken by the college to become a carbon neutral campus.
- ❖ The College secured a Certificate of Merit from M/S NIRAVU Company, for establishing a MUSA GENE BANK on campus to conserve the traditional banana varieties and preserve indigenous knowledge .
- ❖ The College NSS units secured a Certificate of Appreciation from 'Rise Up Forum' for conducting an e-waste drive and transferring the collected e-waste to Rise Up Forum as part of the 'Save Environment Initiative' of Providence Women's College.
- ❖ The College secured a Certificate of Appreciation from IIT-Bombay for participation in the Global Student Solar Workshop organized on 2nd October 2019 to commemorate the 150th Birth Anniversary of Mahatma Gandhi.
- ❖ The Jalasree club, of the college, a unit of the Communication and Capacity Development Unit, Water Resources Department, was awarded a recognition for the efforts taken towards ensuring drinking water potability by post-flood water quality analysis, as part of the clean water drive initiatives of CCDU during the year 2019-20.
- ❖ College NSS unit got appreciation from UL care Nayanar Sadanam for various projects for upliftment of the intellectually challenged adults.
- ❖ College got a certificate from Niravu for associating with them in the International Model Village Fest "**MIDORI**" showcasing 101 houses depicting, sustainable livelihood models.
- ❖ NSS units of Providence Women's College received appreciation from IMHANS for participating in the project of Organic farming of tapioca held at IMHANS Campus on 18.01.2018.
- ❖ The NSS units of the College, were adjudged as the Best NSS unit & Best Programme officer by the University. State and University awards for Best Volunteer for various activities which include many green initiatives, were also received




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