



INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN
(Established by Govt. of Delhi vide Act 9 of 2012)
Kashmere Gate, Delhi - 110006

7.1.5 Green campus initiatives include:

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institute which will lead for sustainable development. IGDTUW work on the several facets of 'Green Campus' including Water Conservation, Tree Plantation, Waste Management, Alternative Energy and Mapping of Biodiversity. On visiting the Campus, one can experience the aesthetic and elegant buildings, splendid lawns; spacious sports ground and lush green environment conducive for teaching-learning process.

1. Restricted entry of automobiles : Automobiles are not permitted inside the campus till administration block.
2. Use of Bicycles/ Battery powered vehicles : The approach road from the main road and the roads within the campus is a road 30 feet width and separate markings are made for waking of pedestrians. The path from the main gate to the academic buildings has pedestrian friendly entrance paths. Signages have been installed at suitable spaces where pedestrians walk .
3. Ban on use of Plastic:IGDTUW is a Plastic Free Campus, with an aim to measurably reduce plastic pollution, with a special focus on the reduction and ultimately the elimination of plastic bottles, plastic straws and utensils, and plastic food packaging to promote the use of eco-friendly cloth and jute bags. Plastic cups and Paper cups lined with plastic/wax are banned in the canteen. The hot beverages are served in steel mugs/glass. Students and staff are motivated to use their own mugs/cups instead of paper cups.
4. landscaping with trees and plants : Good number of trees are planted and grown in and around the IGDTUW campus. Campus is located in the vicinity of rich biodiversity. IGDTUW is parkland components of rolling grassland, individual and clumped trees. The university is surrounded by good plantation which helps in preventing the soil erosion and air pollution to contribute to the environment. Plants not only beautify the campus, but also reduce the amount of carbon dioxide and carbon monoxide. The university has the very beautiful green campus. There are many ornamental plants and vegetation, plants in and around the campus.

Some of the key initiatives under Environmental Consciousness and Sustainability at IGDTUW are as follows:

1. Various methods are adopted to optimize electricity and energy consumption on the campus.
2. Solar water heaters have been installed in hostels and guest house which ensures utilization of green and renewable source of energy for residential purposes by the students and others.
3. University, through Hero future Energies Pvt.Ltd, has installed a roof-top solar. Administrative block- 51 KWH, Krishna Hostel- 60 KWH, Kaveri Hostel- 30 KWH, IT Department- 27 KWH, Energy efficient light fixtures in University campus and 5% of energy demand met through solar panels
4. CFL, LED, star rated power equipment etc. are being used which gives better illumination and consume lesser electricity. While procuring electrical equipment stress is laid on better star rating standard for lesser electricity consumption.
5. University has planted approximately 500 trees over the last five years, averaging to 100 trees annually, to promote/enhance green belt in the campus.
6. Recycled water is used for gardening. Pits have been developed to treat dry waste, in the form of dry leaves, which are decomposed into manure. Irrigation of University ground using treated grey water as a water conservation method. RO water unused is recycled for irrigation and other uses in Krishna Hostel .Water is stored in 1000 lt capacity overhead tank.
7. Social Media and e-mail communication is a preferred way of inter and intra-campus communication promoting e-governance and paper-less offices.
8. Single used plastic usage has been banned in the campus and a constant drive is being made for a plastic free campus.
9. GreenSphere Society, "Greensphere" is an Environmental Society formed by the students of IGDTUW with Dr. Ranu Gadi, as the Faculty Coordinator. The club aims at spreading environmental concerns. It is an initiation by those who understand the scientific nature of the earth and can decode every aspect (healthy as well as harmful) of the phenomena (natural and manual) going around us in a technical manner:
10. Initiatives taken up by Green sphere:
11. The following activities have been taken up by the members of the club:
12. Vermi composting: Proper pits have been formed for vermi composting, wherein kitchen waste from hostel mess is used to generate good quality organic manure.

13. Recycling: Carton boxes have been placed around the campus to collect paper and plastic (segregated), generally strewn around the campus, for recycling.
14. Many NGOs like ICPE, TERI, CSE, and WWF are invited to conduct seminars in the college to increase awareness among the students and to help students in devising ways to implement the various methods of environment preservation with minimum amount of investment and resources. Also, Green activities like Environ mesh (green junkyard), Cycling Rally, Green Fair, T-shirt painting, and Documentary Screening etc. are organized on regular basis to keep the students motivated and add a fun element. Green-sphere members perform plays at various orphanages in Delhi on the topics related to hazards faced by the environment so as to make the children aware of the environmental degradation.
15. The University observes Swatchata Pakhwada every year.

Horticulture Cell

Horticulture cell at IGDTUW is responsible for planning, identifying and organizing planting areas and supervising the maintenance of planted area in the campus.

Functions of Cell

- Study the Landscape, marking location with GPS, identify the location (Spots for Plantation) and their suitability like herbs, shrubs and trees.
- Request the management for procurement of sapling.
- Identify the available (source) Plants(saplings).
- Maintenance, watering (sustenance)

University Landscape Garden: The area covered in the campus under gardens is about 4 acres; the Landscape being the largest, spread over an area of 2 acres. The garden was developed to create natural and pleasant environment in the Campus. In the past few years the convocations of the university were conducted in the Landscape Garden.. The Landscape Garden serves as a natural park for students and staff. During summer, quite a few from the City of Delhi prefer to stroll through the park in the evenings. Mega cultural and scientific events are also held in this garden.

Sanjeevani Udyan : Approximately 15 varieties of herbal plants are available in the IGDTUW Herbal park.

The Objective of the Sanjeevani Udyan:

1. To create awareness of conservation and traditional use of medical plants for hostel residents.
2. To help in identification and conservation of important medicinal plants
3. To provide the access to quality planting materials
4. To help in identification of different uses The list of herbal plants in the **Sanjeevani**

Udyan:

S.No.	Common Name	Scientific Name	Plant Type
1	Pudina	Mentha	Herb
2	Daniya	Coriandrum Sativum	Herb
3	Meti	Trigonella Foenum-Graecum	Species
4	Tulasi	Ocimum Tenuiflorum	Species
5	Lemon Grass	<u>Poaceae</u>	<u>Grasses</u>
6	Lime	Citrus Limon	Species
7	Elaichi	Elettaria Cardamomum	Species
8	Henna	Lawsonia Inermis	Shurb
9	Sansveera	Dracaena Trifasciata	Species
10	Indian Aloe	Aloe Vera	Species
11	Amla	Phyllanthus Emblica	Shurb



Compost Pit: Indira Gandhi Delhi Technical University for Women has now set up a comprehensive waste management system on its campus where the kitchen waste is used from the hostel for composting and further utilized as a fertilizer for gardening purposes. Compost pit is a container used for preparing compost. Compost is rich in nutrients. It is used in gardening, landscape etc. Creating a compost pit requires kitchen waste, leaves, grass etc. After a week earthworms and microorganisms convert the organic matter into compost. It is beneficial for soil fertilization, cultivation etc. Bacteria are the powerhouse of the compost pit

Swachta Pakhwada: IGDTUW organizes **Plantation Drive** on the occasion of the World Environmental Day on 03 June 2021 and **Swachta Pakwada** on 10 September 2021 in the IGDTUW premise. The IGDTUW Premise is known for its cleanliness and green environment all through the year. The same drive was also taken inside the hostel and emphasized on a dust free environment. That allows for a healthy living. The students and wardens selected the empty places in the campus to plant saplings in a well-organized way. The saplings were supplied by the Government nursery. In order to restore the eco-balance. The afforestation drive was taken with all seriousness. The students were highly enthusiastic to make it a big success. The students planted saplings and watered the plants. Each student was allotted a specific number of saplings as the aim was not only to plant the saplings but also to take care of them in future to become trees. Every step of the programme was appreciated by the representatives of the administration. At the end of the programme we served eco-friendly cups of juice to the students to inculcate the habit of eco-friendly living. Swachta Pakwada was simultaneously organised which emphasized the importance of inculcating cleanliness habits in young students. One must realize the importance of keeping his/her surroundings clean. Students were instructed to clean their personal hostel rooms, classrooms and library. Students usually litter around in the open ground, hence they were instructed to pick up the waste paper and wrappers thrown and dump them in dustbins. The main aim of the event was to make the students realize the need to keep the surroundings clean and the importance of dumping the waste in dustbins only or recycling it. In cooperation with the students of IGDTUW Hostels the event was successfully coordinated by Mrs. Sarika Reddy and Ms. Bishnupriya Mohapatra.

Achievements

- Nearly 500+ 1 Avenue plants were planted with the help of students including Garden Staff of the University.
- Large numbers of seasonal plants were planted in different gardens under the control of this Office.



SWACHTA & PLANTATION DRIVE





World Environmental Day Celebration 2021

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Link to various events conducted by Green Sphere Society at IGDTUW:

<https://drive.google.com/drive/u/0/folders/1kRBWRbzwEnjNWM0Aig7sZihwZmfIFzaS>



EE&REM
Energy Efficiency &
Renewable Energy Management Centre



Department of Architecture and Planning,
Indira Gandhi Delhi Technical University for Women

IN COORDINATION WITH
PricewaterhouseCoopers (PwC)

PRESENTS

Awareness Webinar on

ECO-NIWAS Samhita Code 2018

Energy Conservation – New Indian Way for Affordable & Sustainable homes
Implementation and Capacity Building Program

Friday, 24th July 2020
03:00 PM

Click on link below to register for free

pwc-emeaec.webex.com/pwc-emeaec/onstage/g.php?MTID=e9bdce2996ae6b9098a19598b7a4b5140

With this program attendees will learn about the ENS code and be able to:

- Develop design skills in the area of Energy efficient Design of Residential Buildings
 - Develop sound knowledge of Eco Niwas Samhita
- Develop intellectual, creative and professional development of students
 - Develop cadre of energy consultants in Built environment

Panelists



Mr. Ankur Tulsyan,
Expert from Bureau of
Energy Efficiency



Mr. Atul Sharma,
Expert from PwC



Ar. Vishal Rai,
HoD,
Associate Professor,
DAP, IGDTUW



Ar. Preeti Chauhan,
Associate Professor,
DAP, IGDTUW
Coordinator & Moderator



Ar. Jahnabi Kalita,
Assistant Professor,
DAP, IGDTUW
Organizer & Coordinator

Hosted By



Department of Architecture & Planning, IGDTUW



PricewaterhouseCoopers

Event organised by Department of Architecture and Planning, IGDTUW for energy consumption awareness



Bicycle /Pedestrian accessibility in IGDTUW campus



Signages giving Pedestrian priority and accessibility in IGDTUW campus



Interior Landscaping of Administrative Block at IGDTUW campus

Minutes of Meeting

A meeting of Demand and Assessment Committee members was held on 8th Dec, 2021 at 2:30 PM in the Chamber of Chief Hostel Warden to discuss the urgent requirement of seasonal flower pots for convocation in the IGDTUW .
The following Members were present in the meeting:

1. Prof. Chhaya Ravikant, Chief Hostel Warden
2. Prof. Ranu Gadi, Dean IRD:Member
3. Dr. Arunima Jaiswal, Asst. Prof.: Member
4. Ms. Sarika, Asst. Warden, Krishna Hostel: Requisitioner

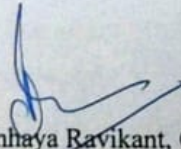
The Demand and Assessment committee recommended the following:

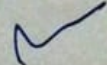
1. There is some seasonal flower pots in the IGDTUW nursery due to shortage of manure and additional medicines and its not sufficient to cover the entire area.
2. The following seasonal flower pots needs to purchase for convocation:

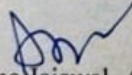
S.No	Seasonal flower pots	Qty
1	Mari gold	25
2	Dahiliya	50
3	CTC Dricinna	25
4	Dianthus	25
5	Patentula	25
6	Juldavary Flower	25
7	Pitonia	25
8	Gehenda	25
9	Aster	25
10	Pancy	25

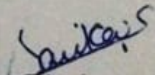
3. It is needed to purchase seasonal flower pots on urgent basis to arrange all around the campus as convocation is scheduled on 23rd december .

The meeting ended with vote of thanks


Prof. Chhaya Ravikant, Chief Hostel Warden


Prof. Ranu Gadi, Dean IRD:Member


Dr. Arunima Jaiswal, Asst. Prof.: Member
Requisitioner


Ms. Sarika, Asst. Warden, Krishna Hostel:

Minutes of Meeting

Date: 22-01-2021

A meeting of the following members was held on 25-01-2021 in the Admin block, IGDTUW to discuss the indoor garden maintenance and problems facing by our gardeners, IGDTUW .

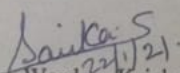
The following were present:

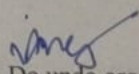
1. Ms.Sarika, Warden, Krishna Hostel
2. MS. Meeta, Do un do organization
3. Mr. Ankit, GA
4. Mr. Ram Kumar, Gardener (permanent)
5. Mr. Maneesh, Gardener (contract)

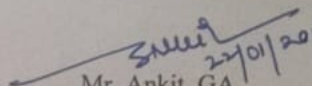
Ms. Meeta deliberated and suggested the following:

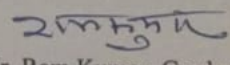
1. The lights should be kept on for 24*7.
2. Plants can be changed according to their growth.
3. During winters the money plants show retarded growth. Hence, these can't be grafted in winters. The existing plants we can transfer into those pots.
4. She provided Bio protect medicine for healthy growth of plants.
5. She guided to sprinkle bio protect medicine every fortnight. To safe3 guard of the plants from insects and pests she recommended 25ml of bio protect medicine to be mixed in 20 ltr of water for sprinkling.
6. The plants need to be watered once a week.
7. She visited our IGDTUW nursery and found some plants with twisted leaves, so suggested Bio-reple medicine for healthy growth of plants.
8. She also suggested to change/replace some plants and guided for their proper care, such as some plants like spider and aglonoma plants to make a change.
9. She suggested a weekly (Friday) visit by a person from Do un Do organization for persue the growth of indoor plants.
10. These points were also instructed to the two gardeners (Mr. Ram Kumar & Mr. Maneesh) present over there.
11. She also offered the replacement of broken pots by her organization

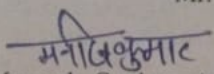
The meeting ended with Vote of thanks.


Ms.Sarika, Warden, Krishna Hostel


MS. Meeta, Do undo organization


Mr. Ankit, GA


Mr. Ram Kumar, Gardener (permanent)


Mr. Maneesh, Gardener (contract)