



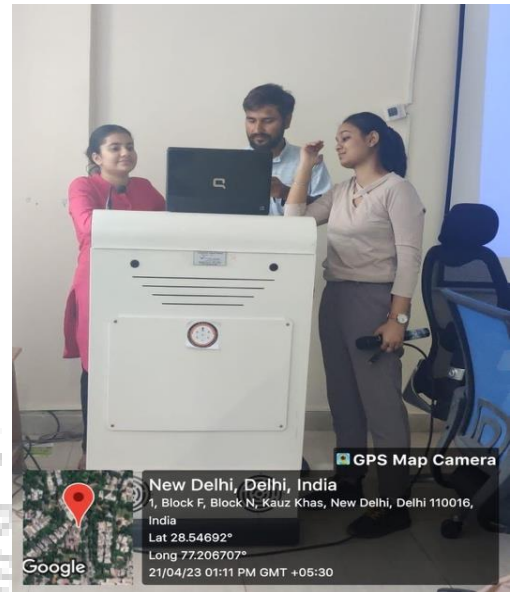
ENVIRONMENT AND COMMUNITY OUTREACH COMMITTEE

REPORT (2022-23)

1. Earth Day Celebration 2023 on theme 'Invest in our Planet:'

The Environment and Community Outreach Committee celebrated 'Earth Day-2023' on 21st April, 2023 in which wide range of activities were organized as part of celebrations:

- E-Waste Collection Drive : A week long E-waste collection drive was organized from 18th - 21st April 2023 in collaboration with 'Attero Recycling Pvt Ltd' wherein students and staff gave away their e-waste like old mobile phones, mixer grinder, wires, mouse etc. which was further handed over to Attero Recycling Pvt. Ltd. for safe disposal of e-waste. .
- Plastic Waste Collection Drive was organized from 18th - 21st April 2023 in collaboration with Indian Pollution Control Association (IPCA). The plastic waste collected from campus was handed over to IPCA for further management and disposal in a sustainable manner in order to reduce plastic waste load on landfills.
- Rally to create awareness on plastic waste management was organized on 21st April 2023 in which approximately 25 students along with teachers raised slogans on the pressing issue of plastic pollution. Students from 1st year created posters aiming to reduce plastic usage. The rally was held in the periphery of the college, by raising slogans to discourage the use of plastic. This program was a small step towards "Empowering people to make a difference" by spreading awareness among college students and faculty about the detrimental effects of plastic pollution on the environment.
- Session on E-Waste Management on 21st April 2023 by Mr. Shiv Chander Jha, Associate Manager Operations, Attero Recycling Pvt Ltd'. The session aimed to generate awareness on sustainable e-waste management, and the (3Rs) Reduce, Reuse and Recycle of e-waste. It further aimed to persuade consumers to dispose of their waste in a safe and sustainable manner and adopt sustainable consumer habits. Approximately 75 students from various courses along with teachers participated in the event.
- Session on Food and Climate Change by Mr. Abhishek Kumar Chanchal, GreenPeace, India on 21st April 2023. The students were briefed about various factors responsible for climate change and how as students they can take part in community outreach activities to mitigate climate crisis. Approximately 75 students from various courses along with teachers participated in the event.
- Interactive meet on Organic Farming with Local Farmers was also organized on 21st April 2023 in collaboration with Krishikul Natural Farms as part of earth day celebrations. The session focussed on the need and importance of sustainable agricultural practices.
- Approximately 75 students from various courses along with teachers participated in the event.
- Stalls of Organic Farm Produce in collaboration with Krishikul Natural Farms: The college hosted a farmer's meet with display of organic vegetables and pulses on 21st April 2023 for sale. The event proved to be a resounding success, with overwhelming support and interest shown by the college community in organic farm produce.



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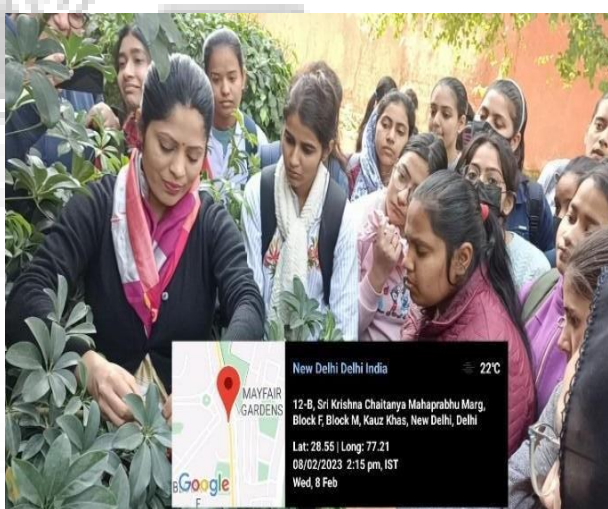
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2. Workshop on 'Organic farming, Vegetative Propagation and Climate Smart Agriculture'

The Environment and Community Outreach Committee in collaboration with the Department of Biology, organized a workshop on 'Organic Farming, Vegetative Propagation and Climate Smart Agriculture' on 8th February 2023 to enhance the knowledge of students on organic farming and related techniques and to make students well equipped with recent technologies related to agriculture. Dr. Mamta Bhardwaj, Assistant Professor at Hindu Girls College in Sonipat, Haryana, presided over the session. Around 85 people attended the workshop, including students and staff members. In this workshop many aspects of organic farming were executed-such as transitioning away from chemical farming to implementing biodynamic methods to improve soil fertility and maximize crop yields. Students received a deeper understanding of soil, soil microbes and how the maintenance and improvement of soil fertility can be achieved by practicing the correct composting techniques as demonstrated during the workshop.



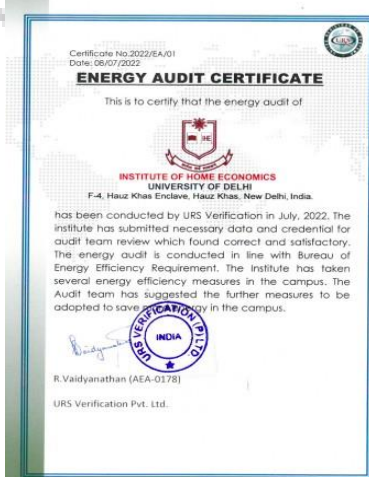
3. E - Waste Registration

Environment and Community Outreach Committee registered with MTPC (Metal Scrap Trade Corporation Limited) on 8th July 2022 for management of e-waste.

4. Green, Energy and Environment Audits :

College carried out Environment Audit and Green Audits with EHS Alliance Services and Energy Audit by URS Verification Pvt Ltd. Internal audits have also been carried out by the members of the Environment and Community Outreach committee to generate awareness and self-assessment.

- **Green Audit :** This audit involved extensive consultation with all the teams, interactions with key personnel on a wide range of issues related to Environmental aspects. The report concluded that overall 60% of IHE campus is for landscaping. The audit team opined that the overall site is well-maintained from the environmental perspective but few things that are important to initiate urgently include installation of solar PV, initiation of drip irrigation and checking of water flow of taps. They also recommended the installation of water meters at each building/block and water balancing report.
- **Environment Audit :** This audit underlined various best practices of the college such as installation of air quality monitors in college premises and other sustainable initiatives. The audit identified some observations and recommendations for making the campus premise more environment friendly such as DG stack height monitoring and periodic inspection of buildings to increase the energy efficiency, inclusion of environmental parameters in purchase policy to achieve a cradle to grave approach for sustainability and also provide sanitary waste disposal facility as per the CPCB guidelines for management of sanitary waste (as per Solid Waste Management Rules, 2016). Installation of the Incinerator was also recommended on campus.
- **Energy Audit:** URS Verification Pvt Ltd helped the college for Energy Audit. It was observed from electricity bills of last year that the average power factor is 0.83. As per the report, existing power factor can be improved from 0.83 to 0.99 by installing an 80 KVAR APFC panel. Therefore, the annual energy saving will be 2275 KVAh which would result in annual monetary saving of INR 2.32 Lakh and payback period will be 5 months. Performance Assessment of Supply Water Transfer Pump and Submersible pump was also done and its performance was found to be satisfactory. Few areas where conventional tube lights are installed were identified by the audit team and recommended for their replacement with LED tube light.



5. Greenery Management:

- Maintenance of the Vegetable garden: In order to support sustainability, greenery and vegetation across the IHE campus the committee maintains a vegetable garden. Vegetables like spinach, lemon, broccoli, brinjal etc were organically grown in the pots using organic manure made in college campus through organic waste composting by Aerobin and vermicomposting.
- Procurement of pots, seedlings and plants to maintain green cover, vegetable garden and herbal garden: Under its greening initiative, approximately 80-100 planters (pots) containing plants such as acacia palm, spider plant, money plant, flowering plants etc were added to the college campus.
- Distribution of organic vegetables among the staff members: The vegetables that are organically grown in the college premises were distributed among the college staff members to promote the sustainable environment measures and a healthy food system.



6. Field Visit to Amrit Udyan: A field visit was organized to Amrit Udyan on 23rd March 2023, to acquaint the students about the aesthetic floral diversity under the outreach program of “Udyan Utsav 1-2023”. Approximately 55 students from B.El.Ed 3rd year students participated in the event.



7. Shatabdi Vriksharopan Centennial Plantation: Committee coordinated plantation of shatabdi Tree by the Director, IHE on 10th August 2023 in collaboration with centenary celebration committee.



8. Installation of RO reject water tank in Office and RM lab: Committee coordinated installation of RO reject water tank in Director's office and RM lab for reuse of waste water.

9. No littering Campaign was carried out in the college premises on 12th December 2023 wherein about 70 students from B.El.Ed participated and took pledge to keep campus clean and make it a litter free zone.

