

**Report on**

# **Sustainable Development**

## **Goal 11**



# **SUSTAINABLE CITIES AND COMMUNITIES**

Sustainable Development Goal 11 focuses on making cities inclusive, safe, resilient, and sustainable. With rising urban challenges, there is a growing need for innovative solutions in infrastructure, housing, mobility, and climate resilience. Swami Rama Himalayan University (SRHU) addresses these needs by integrating sustainability into its campus operations, academic programs, research, and community outreach. Through its holistic approach, SRHU contributes meaningfully to building sustainable cities and empowered communities.

## 1. Green Campus & Sustainable Infrastructure

- SRHU earned top honours in 2025 at regional sustainability forums, including the **Platinum Award for green practices** at the **CII Northern Region** and previously securing the **Gold Award from CII** for eco-friendly initiatives. Before this, SRHU was recognized as Renewable Energy Champion at CII-Northern Region Green Practices Awards, 19-20 December, 2024, Gurugram.

[Click here](#)

SRHU bagged the Platinum Award in the Service Category at the 4th CII Northern Region Green Practice Awards 2025, recognizing its strong commitment to environmental sustainability





**SRHU recognized as Renewable Energy Champion at CII-Northern Region Green Practices Awards 2024**

- **Green Energy Infrastructure:** SRHU invested in renewable energy by commissioning a 2.9 MW solar plant, significantly contributing to its clean-energy goals.





- **Campus-wide Eco Initiatives:** Most recently, the university's Harela plantation drive planted nearly 500 native saplings on campus, reinforcing environmental awareness and sustainability values



**Harela celebration at SRHU fostering biodiversity conservation and Environmental Stewardship**

- The campus spans approximately 200 acres with over 5,000 trees, featuring biodiversity-friendly green belts and microhabitats that support birds, butterflies, and ecological balance.



### Snippets of lush green campus supporting biodiversity

#### A Tree in the Name of Mother—Independence Day Drive

On 15th August 2024, SRHU launched a unique initiative titled 'A Tree in the Name of Mother' to mark the 78th Independence Day. Spearheaded by Chairman Dr. Vijay Dhasmana, this plantation drive celebrated the bond between patriotism and environmental stewardship. Faculty, staff, and students



participated enthusiastically, planting trees as a tribute to their mothers, symbolizing nurturing care for both family and the planet.



**Marking Independence Day with Purpose: Tree plantation drive at SRHU, symbolizing gratitude to mothers and commitment to nature**

### **Tree Plantation drives**

Swami Rama Himalayan University actively promotes environmental sustainability through community-based initiatives. The university has led several tree plantation drives in rural Uttarakhand, involving villagers, schoolchildren, and local leaders. These efforts focus on planting medicinal, fruit-bearing, and native trees to enhance green cover, support livelihoods, and build long-term ecological resilience.





Team from SRHU conducts community-driven tree plantation initiatives, empowering local residents to actively participate in ecological restoration and environmental stewardship



- **Plastic-Free Campus**

- To reinforce its commitment to sustainability, the University has installed "Plastic-Free Campus" signage across the campus. These signs serve as constant reminders for students, staff, and visitors to avoid single-use plastics.



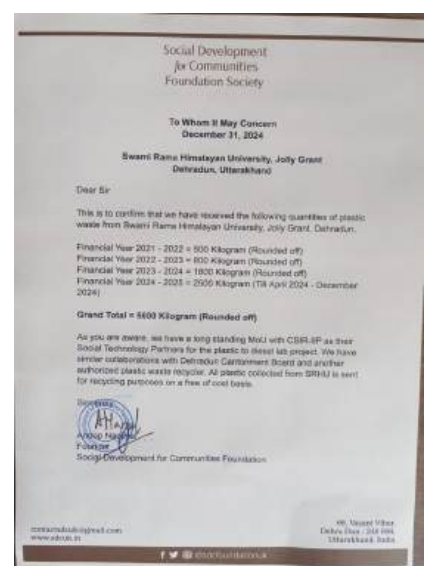
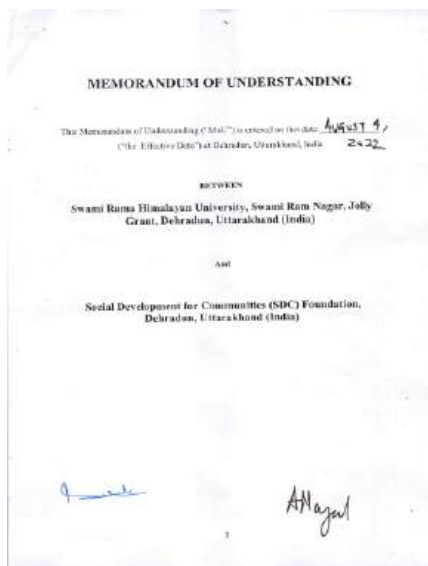
Signages promoting a plastic-free campus at SRHU, encouraging sustainable practices among students and staff



- **Plastic Bank for Recycling:** SRHU has phased out single-use plastics and operates a plastic bank, recycling around 800 kg of plastic waste into useful products—70% is turned into fuel-like diesel.



**Plastic Bank at SRHU promoting recycling and reducing plastic waste on campus**



**MoU between SRHU and SDC for sustainability and plastic waste management**

## 2. Water Conservation & Wastewater Management

- A **1.5 MLD Sewage Treatment Plant (STP)** processes campus wastewater, which is reused for irrigation and sanitation. A **90 KLD Effluent Treatment Plant (ETP)** further supports water recycling efforts.



**Sewage Treatment Plant (Capacity 1 MLD) at the University**



**Effluent Treatment Plant (Capacity 90,000 liters per day)**



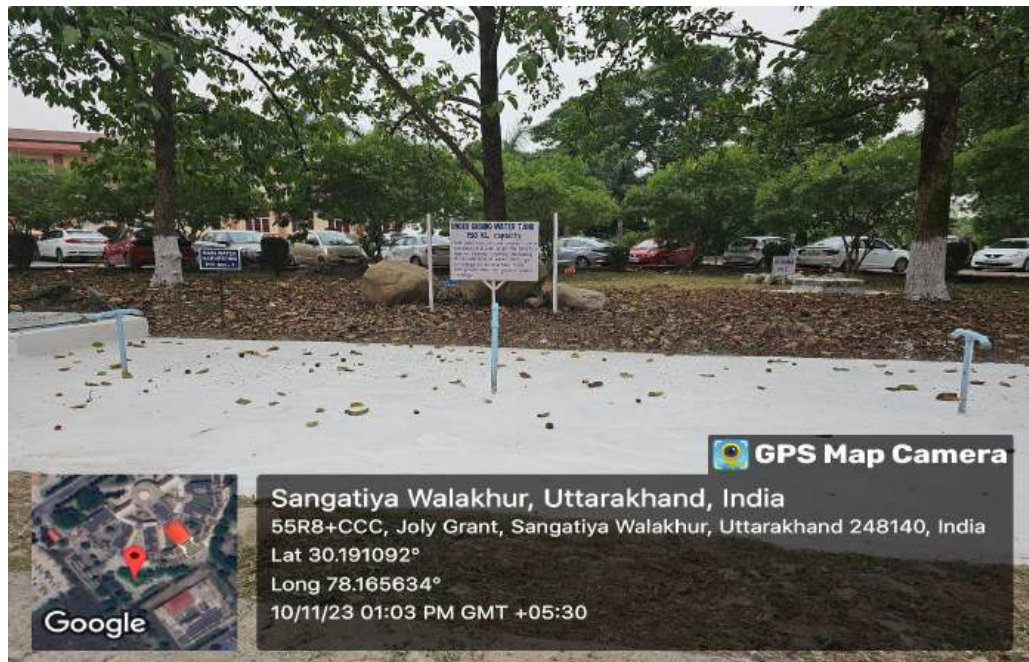
**Recycling of water from STP**

**Water Reuse:** 9,43,153 litres recycled annually for:

- o Green belt irrigation (1,60,800 sqm)
- o Construction activities



- Rainwater harvesting captures nearly **40 crore litres annually** through 12 recharge pits and rooftop collection across  $\sim 9,000 \text{ m}^2$ . Water is stored in a **1.5-lakh-litre underground tank**, supplying  $\sim 3,000 \text{ L/day}$  for flushing and cleaning across 111 toilets and 138 taps, also aiding groundwater recharge ( $\sim 1.57$  crore litres).



**Underground RWH tank (capacity 150 KL)**



**Rainwater Harvesting Pits at SRHU: Sustainable Water Management in Action**

- SRHU's dedicated **WatSan department**, operational for over two decades, delivers clean drinking water to remote areas and has been designated a **Key Resource Centre** under the **Jal Jeevan Mission**.

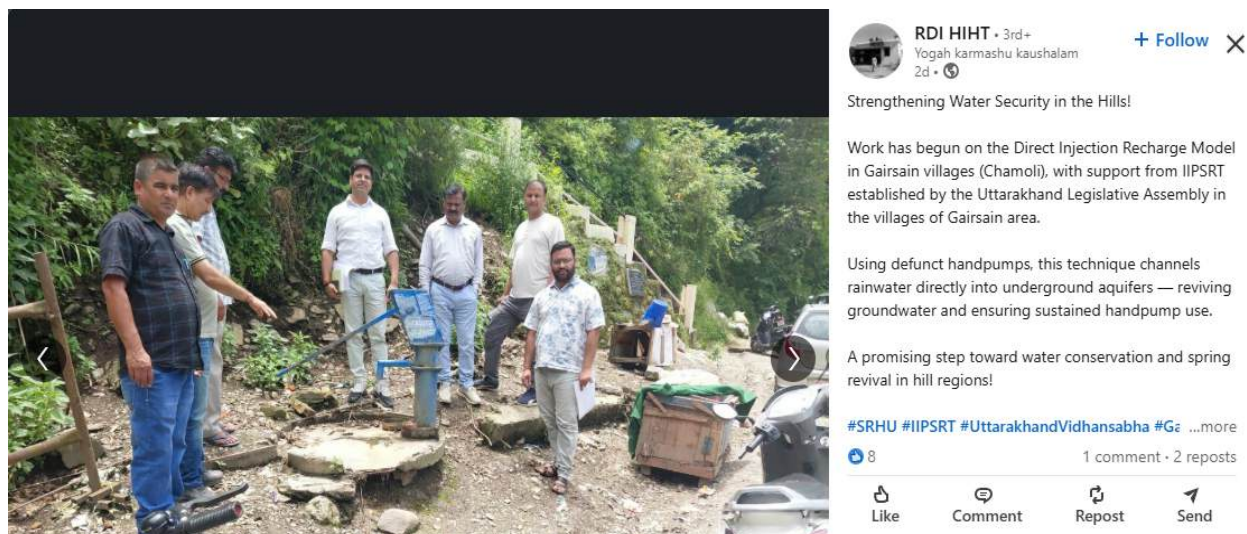
[Click here link 1](#)

[Click here link 2](#)

**Activities under taken by WATSAN during 2024-2025 catering to clean water and sanitation:**

**a. Capacity Building for Har Ghar Jal (Jal Jeevan Mission):**

Under the Har Ghar Jal initiative, SRHU, in collaboration with the State Water & Sanitation Mission, conducted a series of Change Management trainings in July 2024. These sessions were held across four locations—Haldwani, Rudrapur, SRHU campus, and Srinagar (Pauri)—and trained a total of 164 public health engineers and mid-level government officials. The trainings aimed to enhance the participants' capacity to effectively implement the Jal Jeevan Mission.



**Direct Injection Recharge Model in Gairsain villages (Chamoli), with support from IIPSRT established by the Uttarakhand Legislative Assembly in the villages of Gairsain area. [Click here](#)**



## b. Community Engagement:

On 20–21 September 2024, SRHU celebrated RDI Foundation Day with community-led water and sanitation awareness activities across its campus and villages like Pasta, Tashila, Moldhar, and Jaswawala, involving around 200 students and villagers.



## c. Swachhta Pakhwada – Campus-Wide Sanitation Campaign

From September 23 to October 1, 2024, SRHU organised Swachhta Pakhwada, a campus-wide campaign promoting sanitation and hygiene practices, which reached 328 students and faculty members.



स्वामी राम हिमालयन विश्वविद्यालय  
Swami Rama Himalayan University



Swachhta Pakhwada was observed at SRHU with a campus-wide campaign promoting sanitation and hygiene practices

#### d. Social and Environmental Audit of Sewage Infrastructure

From 01 January to 15 June 2025, SRHU, in partnership with Namami Gange and the State Mission for Clean Ganga, conducted a social and environmental audit of seven Sewage Treatment Plants and two Interception and Diversion sites across Dehradun, Haridwar, Tehri Garhwal, and Nainital.



Social and environmental audit in progress



**e. World Water Day – Rural and Campus Outreach**

On 22–23 March 2025, in observance of World Water Day, SRHU organized awareness campaigns and activities in the SRHU campus and villages such as Kokaliyal, Tachla, Gudiyawala, and Thano, engaging 529 students and villagers.



**f. Affordable Climate-Resilient Water Supply Infrastructure Project**

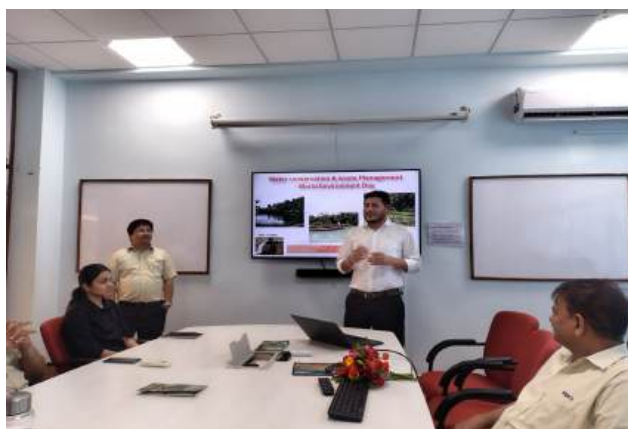
On 29 March 2025, SRHU, in collaboration with the National Mission on Himalayan Studies (MoEFCC), launched a long-term project across five districts—Pauri, Rudraprayag, Chamoli, Tehri, and Uttarkashi—to develop affordable, climate-resilient water supply infrastructure, aiming to improve access to safe drinking water in vulnerable Himalayan regions.



## Launch of a long-term project for Affordable Climate-Resilient Water Supply Infrastructure

### g. Water Conservation Awareness in Industry:

On 4 June 2025, an awareness session on water conservation and waste management was conducted at Wipro Enterprise Ltd, SIDCUL, Haridwar, engaging 24 staff members. This session, supported by Wipro in collaboration with SRHU, addressed responsible water usage and workplace sanitation.



## Awareness session on water conservation and waste management in progress



### 3. Energy Efficiency & Renewable Energy

- SRHU installed **1,500 kW rooftop solar panels**, meeting **~16% of its electricity demand**, saving over **61 lakh kWh** to date (~1,455 tonnes of CO<sub>2</sub> emissions avoided). ([Click here](#)).



Installation of New Solar Power Plant at Swami Rama Himalayan University

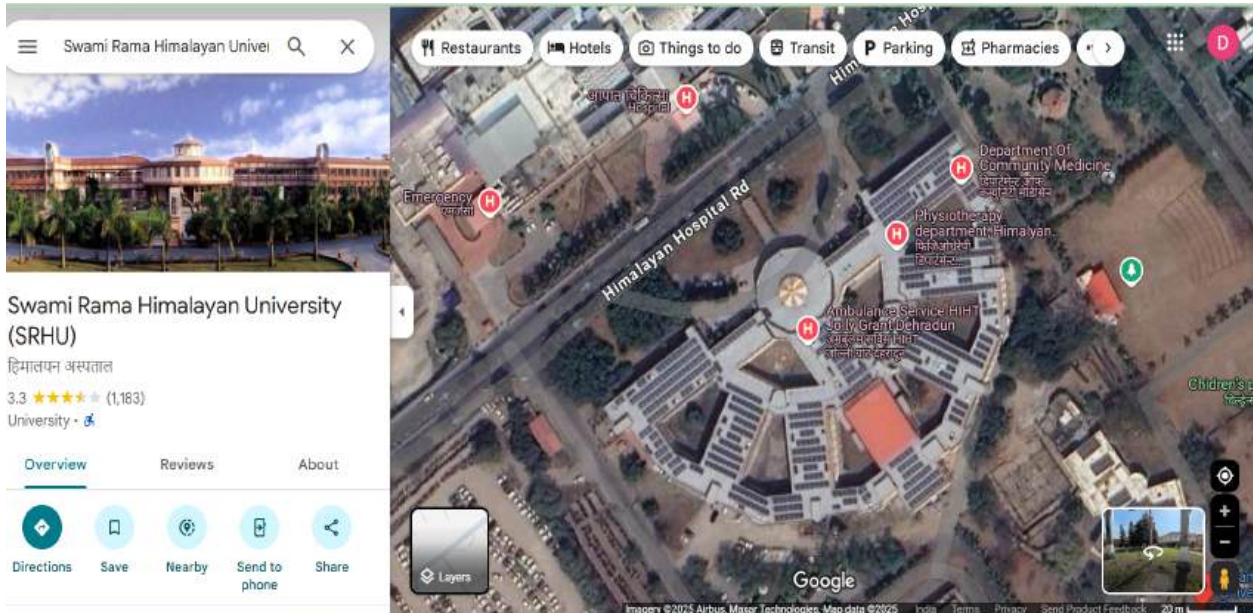


Rooftop solar panels at Swami Rama Himalayan University harnessing renewable energy to promote sustainability and reduce carbon footprint.

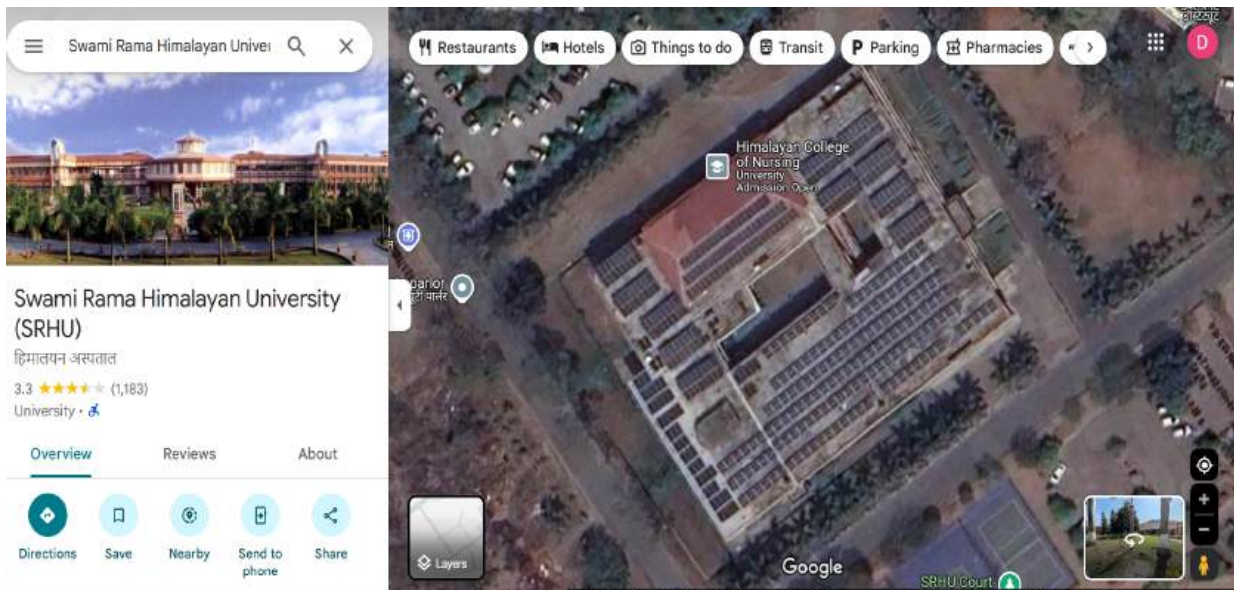


Solar panels at different locations in the University Campus





**Aerial view of Solar panels at HIMS (Google Maps)**



**Aerial view of Solar panels at HCN (Google Maps)**

- The campus uses energy-efficient technologies including LED lighting, BLDC fans, BEE-rated ACs, and biogas systems—all tracked through carbon audits by the SDG Cell to monitor and reduce carbon footprint ([Click here](#)).



Implementation of LED lighting at the University office as a step promoting energy efficiency



Energy-efficient BLDC (Brushless Direct Current) fans



Energy Efficient split inverter air conditioner





**HVAC system installed in the University**



**BEE star rated energy efficient AC  
package unit supporting HVAC system**



**9 Diesel generator sets with Automatic Mains Failure panels and load synchronization system**

## 4. Sustainable Mobility

- To further reduce carbon emissions, SRHU has introduced electric vehicles for on-campus transport, each consuming approximately 4–5 units of energy and offering a range of around 100 km per charge ([Click here](#)). Additionally, an e-bike rental facility is available for students, promoting sustainable and eco-friendly commuting across the campus.



Electric vehicle deployed for intra-campus transport, supporting sustainable mobility initiatives and reducing carbon emission

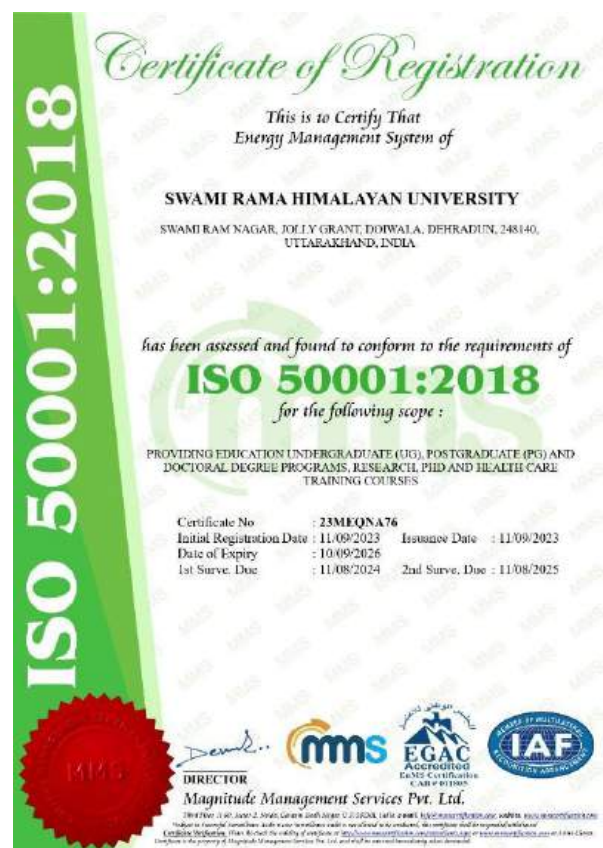


E-bike rental facility available for students to commute sustainably across the campus



## 5. Inclusion & Capacity Building

- The SRHU SDG Cell promotes SDG 11 by advancing sustainable infrastructure, green campus practices, and resilient community development. It leads initiatives in renewable energy, waste management, and water conservation. Through outreach, awareness drives, and training programs, the Cell supports the creation of inclusive and sustainable communities across rural and urban areas. [Click here](#)
- Regular green audit, energy and environment audits and carbon footprint assessments are held at the university.



**CARBON FOOTPRINT CERTIFICATE 2021-22**

PRESENTED TO

**Swami Rama Himalayan University**  
Swami Ram Nagar, Doiwala, Dehradun, Uttarakhand, India

Scope of GHG emissions	CO <sub>2</sub> e	%
Direct emissions to air	667.2	9.34
Indirect emissions from purchased energy	7.4	0.09
Other indirect emissions	7206.2	91.5
<b>Total CO<sub>2</sub>e</b>	<b>7870.8</b>	

Dr. Gurpreet Singh  
(Authorized Signatory)  
Lead Auditor - Green & Environmental Audits  
EcoScience Consultancy, Uttarakhand

Date: 15/07/2022

ECOSCIENCE CONSULTANCY  
Lakshmi Vihar Colony, Bishanabad  
(Authorized Signatory)  
Lead Auditor - Green & Environmental Audits  
EcoScience Consultancy, Uttarakhand

Date: 04/07/2023

QRO ISO IAF UK NISIR GeM

**CARBON FOOTPRINT CERTIFICATE 2022-23**

PRESENTED TO

**Swami Rama Himalayan University**  
Swami Ram Nagar, Doiwala, Dehradun, Uttarakhand, India

Scope of GHG emissions	CO <sub>2</sub> e	%
Direct emissions to air	724.5	8.67
Indirect emissions from purchased energy	9.2	0.11
Other indirect emissions	7613.9	91.2
<b>Total CO<sub>2</sub>e</b>	<b>8347.6</b>	

Dr. Gurpreet Singh  
(Authorized Signatory)  
Lead Auditor - Green & Environmental Audits  
EcoScience Consultancy, Uttarakhand

Date: 04/07/2023

ECOSCIENCE CONSULTANCY  
Lakshmi Vihar Colony, Bishanabad  
(Authorized Signatory)  
Lead Auditor - Green & Environmental Audits  
EcoScience Consultancy, Uttarakhand

Date: 04/07/2023

QRO ISO IAF UK NISIR GeM

**CARBON FOOTPRINT CERTIFICATE 2023-24**

PRESENTED TO

**Swami Rama Himalayan University**  
Swami Ram Nagar, Doiwala, Dehradun, Uttarakhand, India

Scope of GHG emissions	CO <sub>2</sub> e	%
Direct emissions to air	858	9.4
Indirect emissions from purchased energy	16	0.11
Other indirect emissions	8246	90.4
<b>Total CO<sub>2</sub>e</b>	<b>9,120</b>	

Dr. Gurpreet Singh  
(Authorized Signatory)  
Lead Auditor - Green & Environmental Audits  
EcoScience Consultancy, Uttarakhand

Date: 04/07/2023

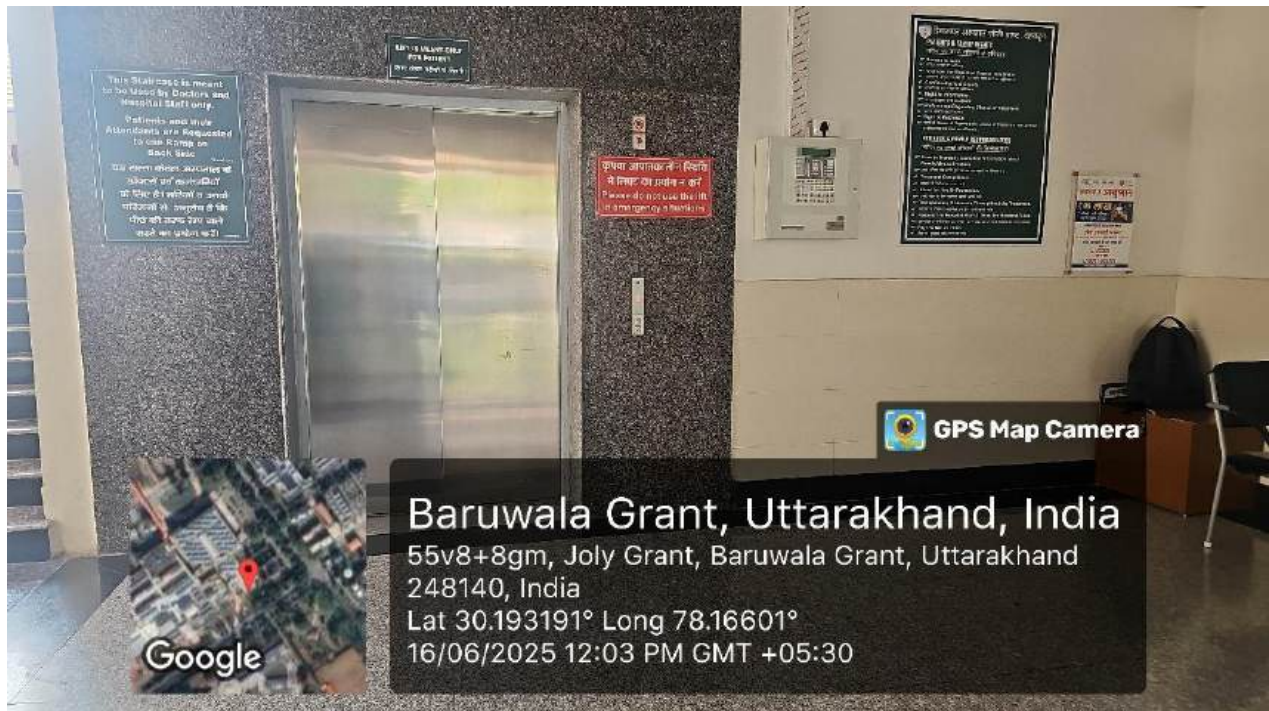
ECOSCIENCE CONSULTANCY  
Lakshmi Vihar Colony, Bishanabad  
(Authorized Signatory)  
Lead Auditor - Green & Environmental Audits  
EcoScience Consultancy, Uttarakhand

Date: 04/07/2023

QRO ISO IAF UK NISIR GeM



- Inclusive facilities such as accessible infrastructure for persons with disabilities (Divyangjan) are present.

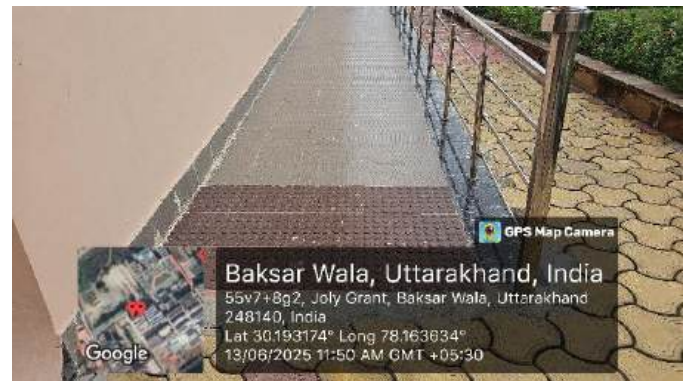


Lifts are present at various locations in the university





Ramps with handrails



Tactile path at the university

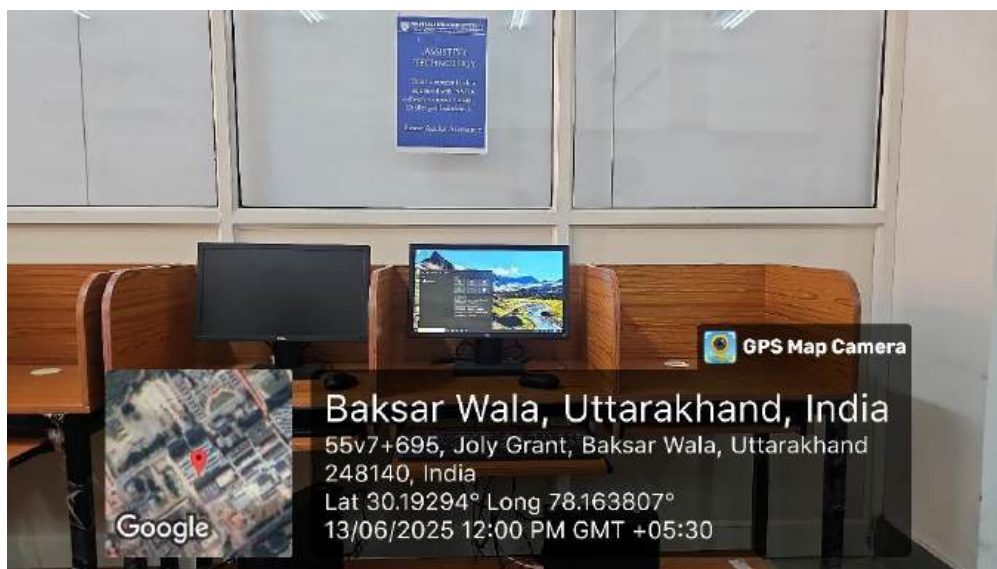


Disabled friendly washrooms





Wheelchair bay



Assistive technology at the central library

- Training programs have empowered over **5,000 farmers** to adopt **organic and water-smart agricultural practices** in adopted villages—enhancing rural-urban resilience and inclusive livelihoods.



**Harvested ginger and turmeric as part of a community-based initiative supporting the cultivation of high-value, nutrient-rich crops**





**Turmeric being processed and packaged at the Value Addition Center established by SRHU to strengthen the agricultural value chain**



**Chili cultivation and pilot apple orchard established under SRHU's agriculture initiative, aimed at diversifying nutrition and income sources through climate-resilient horticulture**