Swami Rama Himalayan University

NAAC A+

Report on

Sustainable Development Goal 13



CLIMATE ACTION 2025

SDG 13: Climate Action

Swami Rama Himalayan University (SRHU) addresses SDG 13 through climate-focused research, low-carbon energy use, environmental education, and measures supporting carbon neutrality. During 2021–2025, SRHU produced 13 publications aligned with SDG 13, covering areas including climate-resilient agriculture, urban health resilience, hydrological extremes, renewable energy, sustainable food production, and climate action and neutrality. The University promotes low-carbon energy through solar power, energy-efficient systems and electric mobility, supported by regular carbon and energy audits, energy-efficient infrastructure, LED lighting, BLDC fans and star-rated appliances. Environmental education is incorporated through a core Environmental Studies course for all undergraduate programmes, addressing environmental issues, sustainability and climate change, including risks, mitigation, adaptation and early warning. SRHU also conducts awareness campaigns for local communities to promote understanding of climate change risks, impacts, and mitigation measures. Additionally, SRHU has implemented a comprehensive Climate Action Plan to promote sustainable and climate-resilient practices. For carbon neutrality, the 2024-25 assessment reported 3,312.33 tonnes of CO_2 emissions and 5,990 tonnes of CO_2 sequestered/offset, resulting in a net carbon credit of about 2,677.67 tonnes of CO_2. The report states that SRHU achieved carbon neutrality in 2024 based on the verified 2024 audit.

13.1 Research on Climate action

Swami Rama Himalayan University has produced a cumulative total of 14 publications aligned with SDG 13. During the most recent five-year period (2021-2025), 13 publications were identified as contributing to SDG 13, representing 92.9% of the university's total SDG 13 research output since inception. Of these, 3 publications were published in 2025, accounting for 23.1% of the five-year output. The 2025 contribution, "Framework for Implementing Extended Reality in Agricultural Education," explores the use of extended reality (XR) and metaverse technologies to enhance agricultural education and training, and provides a relevant connection to SDG 13 through themes of climate-smart agricultural training, digital tools for resilience-building, and preparing the agricultural workforce for climate adaptation.

Research Metric	Value
Total Publications during 2021-2025	13
FWCI	2.59
Citation Count	353
Total Views	669

13.1.1 Climate Action: CiteScore

SRHU has produced a cumulative total of 14 publications aligned with SDG 13. During the 2021–2025 reporting period, SRHU produced 13 publications aligned with SDG 13 (Climate Action), of which 10 report CiteScore data, with an average of 4.9. During 2025, 2 out of 3 publications reported CiteScore data, with an average of 3.65.

List of Publications with CiteScore

S.No	Paper Title	Authors	Journal / Book Name	Year	Cite Score	DOI
1	Born Too Soon: learning from the past to accelerate action in the next decade	Gruending, A.| Lawn, J.E.| Reid, A.| Langlois, E.V.| Jacobsson, B.| McDougall, L.| Khosla, R.| Bhutta, Z.A.| Deorari, A.K.| Kak, L.| Robb-McCord, J.| Zaka, N.| Decena, D.D.| Fogstad, H.| Banerjee, A.| Kinney, M.V.| Dube, Q.	Reproductive Health	2025	5.6	10.1186/s12978-025-02044-8
2	The Human Side of Sustainability: Behavioural Economics in Climate Action and Neutrality	Trivedi, A.| Juyal, S.A.| Kandpal, V.	Climate Change Management	2025	1.7	10.1007/978-3-031-83250-5_15
3	Framework for Implementing Extended Reality in Agricultural Education	Ayasrah, F.T.| Verma, A.| Chaudhari, S.V.| Kumar, P.| Cengiz, K.	The Convergence of Extended Reality and Metaverse in Agriculture	2025	-	10.4018/979-8-3373-2797-6.ch002
4	Microbiological dimensions and functions in constructed wetlands: A review	Rani, A.| Chauhan, M.| Kumar Sharma, P.| Kumari, M.| Mitra, D.| Joshi, S.	Current Research in Microbial Sciences	2024	10	10.1016/j.crmicr.2024.100311
5	Micro-algae: Revolutionizing food production for a healthy and sustainable future	Naik, B.| Mishra, R.| Kumar, V.| Mishra, S.| Gupta, U.| Rustagi, S.| Gupta, A.K.| Preet, M.S.| Bhatt, S.C.| Rizwanuddin, S.	Journal of Agriculture and Food Research	2024	7.5	10.1016/j.jafr.2023.100939
6	Himalayan fruit and circular economy: nutraceutical potential, traditional uses, challenges and opportunities	Ritika| Bora, B.| Ismail, B.B.| Garba, U.| Mishra, S.| Jha, A.K.| Naik, B.| Kumar, V.| Rather, M.A.| Rizwana| Preet, M.| Rustagi, S.| Kumar, H.| Gupta, A.K.	Food Production, Processing and Nutrition	2024	7	10.1186/s43014-023-00220-6
7	Urban Health Resilience: Strategies for Strengthening Public Health Systems in Response to Urbanization Challenges	Mathur, M.| Wani, V.J.| Basu, R.| Manihar, P.| Ansari, M.W.F.| Mathur, N.| Vyas, S.| Nayak, S.| Verma, A.| Singh, S.	Indian Journal of Community Medicine	2024	1.4	10.4103/ijcm.ijcm_755_24

S.No	Paper Title	Authors	Journal / Book Name	Year	Cite Score	DOI
8	Traditional and Underutilized Fruits and Vegetables for Attaining Zero Hunger	Ritika| Mansi| Rizwana| Kumar, H.| Bora, B.| Rather, M.A.| Naik, B.| Kumar, V.| Ranjan, R.| Gupta, A.K.	Advances in Science, Technology and Innovation	2024	0.6	10.1007/978-3-031-51647-4_8
9	An overview of renewable energy sources: technologies, applications and role of artificial intelligence	Singh, V.| Prasad, M.| Aswal, R.S.| Shrivastava, U.| Sharma, T.| Patel, N.K.	Computer Vision and Machine Intelligence for Renewable Energy Systems	2024	-	10.1016/B978-0-443-28947-7.00001-X
10	United Nations Sustainable Development Goals in the context of hydrological extremes	Uniyal, A.| Kaushik, N.| Uniyal, H.P.	Water Sustainability and Hydrological Extremes: Quantity, Quality, and Security	2024	-	10.1016/B978-0-443-21499-8.00014-3
11	Novel food materials: Fundamentals and applications in sustainable food systems for food processing and safety	Gupta, A.K.| Pratiksha| Das, T.| Kumar, H.| Rastogi, S.| Espinosa, E.| Rincón, E.| Morcillo-Martín, R.| Rather, M.A.| Kumar, V.| Naik, B.| Makroo, H.A.| Xiao, H.-W.| Ranjan, R.| Mishra, S.	Food Bioscience	2023	6.4	10.1016/j.fbio.2023.103013
12	A Perspective Review on Green Nanotechnology in Agro-Ecosystems: Opportunities for Sustainable Agricultural Practices & Environmental Remediation	Bhandari, G.| Dhasmana, A.| Chaudhary, P.| Gupta, S.| Gangola, S.| Gupta, A.| Rustagi, S.| Shende, S.S.| Rajput, V.D.| Minkina, T.| Malik, S.| Slama, P.	Agriculture (Switzerland)	2023	4.9	10.3390/agriculture13030668
13	Plant Abiotic and Biotic Stress Alleviation: From an Endophytic Microbial Perspective	Kumar, V.| Nautiyal, C.S.	Current Microbiology	2022	3.9	10.1007/s00284-022-03012-2

13.1.2 Climate Action: FWCI

During 2021-2025, SRHU produced 13 publications aligned with SDG 13, of which 12 report FWCI data, with an average of 2.59. During 2025, 2 out of 3 publications reported FWCI data, with an average of 2.16.

List of Publications with FWCI

S.No	Paper Title	Authors	Journal / Book Name	Year	FWCI	DOI
1	Born Too Soon: learning from the past to accelerate action in the next decade	Gruending, A.| Lawn, J.E.| Reid, A.| Langlois, E.V.| Jacobsson, B.| McDougall, L.| Khosla, R.| Bhutta, Z.A.| Deorari, A.K.| Kak, L.| Robb-McCord, J.| Zaka, N.| Decena, D.D.| Fogstad, H.| Banerjee, A.| Kinney, M.V.| Dube, Q.	Reproductive Health	2025	11.35	10.1186/s12978-025-02044-8

S.No	Paper Title	Authors	Journal / Book Name	Year	FWCI	DOI
2	Framework for Implementing Extended Reality in Agricultural Education	Ayasrah, F.T.| Verma, A.| Chaudhari, S.V.| Kumar, P.| Cengiz, K.	The Convergence of Extended Reality and Metaverse in Agriculture	2025	2.68	10.4018/979-8-3373-2797-6.ch002
3	The Human Side of Sustainability: Behavioural Economics in Climate Action and Neutrality	Trivedi, A.| Juyal, S.A.| Kandpal, V.	Climate Change Management	2025	1.13	10.1007/978-3-031-83250-5_15
4	Urban Health Resilience: Strategies for Strengthening Public Health Systems in Response to Urbanization Challenges	Mathur, M.| Wani, V.J.| Basu, R.| Manihar, P.| Ansari, M.W.F.| Mathur, N.| Vyas, S.| Nayak, S.| Verma, A.| Singh, S.	Indian Journal of Community Medicine	2024	3.35	10.4103/ijcm.ijcm_755_24
5	Micro-algae: Revolutionizing food production for a healthy and sustainable future	Naik, B.| Mishra, R.| Kumar, V.| Mishra, S.| Gupta, U.| Rustagi, S.| Gupta, A.K.| Preet, M.S.| Bhatt, S.C.| Rizwanuddin, S.	Journal of Agriculture and Food Research	2024	3.14	10.1016/j.jafr.2023.100939
6	An overview of renewable energy sources: technologies, applications and role of artificial intelligence	Singh, V.| Prasad, M.| Aswal, R.S.| Shrivastava, U.| Sharma, T.| Patel, N.K.	Computer Vision and Machine Intelligence for Renewable Energy Systems	2024	2.77	10.1016/B978-0-443-28947-7.00001-X
7	Himalayan fruit and circular economy: nutraceutical potential, traditional uses, challenges and opportunities	Ritika| Bora, B.| Ismail, B.B.| Garba, U.| Mishra, S.| Jha, A.K.| Naik, B.| Kumar, V.| Rather, M.A.| Rizwana| Preet, M.| Rustagi, S.| Kumar, H.| Gupta, A.K.	Food Production, Processing and Nutrition	2024	2.55	10.1186/s43014-023-00220-6
8	United Nations Sustainable Development Goals in the context of hydrological extremes	Uniyal, A.| Kaushik, N.| Uniyal, H.P.	Water Sustainability and Hydrological Extremes: Quantity, Quality, and Security	2024	1.59	10.1016/B978-0-443-21499-8.00014-3
9	Microbiological dimensions and functions in constructed wetlands: A review	Rani, A.| Chauhan, M.| Kumar Sharma, P.| Kumari, M.| Mitra, D.| Joshi, S.	Current Research in Microbial Sciences	2024	1.07	10.1016/j.crmicr.2024.100311
10	Traditional and Underutilized Fruits and Vegetables for Attaining Zero Hunger	Ritika| Mansi| Rizwana| Kumar, H.| Bora, B.| Rather, M.A.| Naik, B.| Kumar, V.| Ranjan, R.| Gupta, A.K.	Advances in Science, Technology and Innovation	2024	0.7	10.1007/978-3-031-51647-4_8
11	Novel food materials: Fundamentals and applications in sustainable food systems for food processing and safety	Gupta, A.K.| Pratiksha| Das, T.| Kumar, H.| Rastogi, S.| Espinosa, E.| Rincón, E.| Morcillo-	Food Bioscience	2023	1.75	10.1016/j.fbio.2023.103013

S.No	Paper Title	Authors	Journal / Book Name	Year	FWCI	DOI
		Martín, R.| Rather, M.A.| Kumar, V.| Naik, B.| Makroo, H.A.| Xiao, H.-W.| Ranjan, R.| Mishra, S.				
12	A Perspective Review on Green Nanotechnology in Agro-Ecosystems: Opportunities for Sustainable Agricultural Practices & Environmental Remediation	Bhandari, G.| Dhasmana, A.| Chaudhary, P.| Gupta, S.| Gangola, S.| Gupta, A.| Rustagi, S.| Shende, S.S.| Rajput, V.D.| Minkina, T.| Malik, S.| Slama, P.	Agriculture (Switzerland)	2023	1.14	10.3390/agriculture13030668
13	Plant Abiotic and Biotic Stress Alleviation: From an Endophytic Microbial Perspective	Kumar, V.| Nautiyal, C.S.	Current Microbiology	2022	0	10.1007/s00284-022-03012-2

13.1.3 Climate Action: Publications

SRHU produced **13 publications** aligned with SDG 13 during 2021-2025, spanning climate-resilient agriculture and plant-microbiome research, urban health resilience amid climate-driven urbanization, hydrological extremes and renewable energy, sustainable food production and underutilized crops, and behavioural economics in climate action and neutrality.

List of Publications during 2021-2025

S. No	Paper Title	Authors	Journal / Book Name	Year	DOI
1	Framework for Implementing Extended Reality in Agricultural Education	Ayasrah, F.T.; Verma, A.; Chaudhari, S.V.; Kumar, P.; Cengiz, K.	The Convergence of Extended Reality and Metaverse in Agriculture	2025	10.4018/979-8-3373-2797-6.ch002
2	Born Too Soon: learning from the past to accelerate action in the next decade	Gruending, A.; Lawn, J.E.; Reid, A.; Kinney, M.V.; Dube, Q.F.	Reproductive Health	2025	10.1186/s12978-025-02044-8
3	The Human Side of Sustainability: Behavioural Economics in Climate Action and Neutrality	Trivedi, A.; Juyal, S.A.; Kandpal, V.	Climate Change Management	2025	10.1007/978-3-031-83250-5_15
4	Urban Health Resilience: Strategies for Strengthening Public Health Systems in Response to Urbanization Challenges	Mathur, M.; Wani, V.J.; Basu, R.; Verma, A.; Singh, S.	Indian Journal of Community Medicine	2024	10.4103/ijcm.ijcm_755_24
5	Himalayan fruit and circular economy: nutraceutical potential, traditional uses, challenges and opportunities	Ritika; Bora, B.; Ismail, B.B.; Kumar, H.; Gupta, A.K.	Food Production Processing and Nutrition	2024	10.1186/s43014-023-00220-6
6	Micro-algae: Revolutionizing food production for a healthy and sustainable future	Naik, B.; Mishra, R.; Vijay, K.; Bhatt, S.C.; Rizwanuddin, S.	Journal of Agriculture and Food Research	2024	10.1016/j.jafr.2023.100939

S. No	Paper Title	Authors	Journal / Book Name	Year	DOI
7	United Nations Sustainable Development Goals in the context of hydrological extremes	Uniyal, A.; Kaushik, N.; Uniyal, H.P.	Water Sustainability and Hydrological Extremes Quantity Quality and Security	2024	10.1016/B978-0-443-21499-8.00014-3
8	An overview of renewable energy sources: technologies, applications and role of artificial intelligence	Singh, V.; Prasad, M.; Aswal, R.S.; Sharma, T.; Patel, N.K.	Computer Vision and Machine Intelligence for Renewable Energy Systems	2024	10.1016/B978-0-443-28947-7.00001-X
9	Microbiological dimensions and functions in constructed wetlands: A review	Rani, A.T.; Chauhan, M.; Sharma, P.K.; Mitra, D.; Joshi, S.	Current Research in Microbial Sciences	2024	10.1016/j.crmicr.2024.100311
10	Traditional and Underutilized Fruits and Vegetables for Attaining Zero Hunger	Ritika; Mansi; Rizwana; Ranjan, R.; Gupta, A.K.	Advances in Science Technology and Innovation	2024	10.1007/978-3-031-51647-4_8
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12	A Perspective Review on Green Nanotechnology in Agro-Ecosystems: Opportunities for Sustainable Agricultural Practices & Environmental Remediation	Bhandari, G.; Dhasmana, A.; Chaudhary, P.; Malik, S.M.; Sláma, P.	Agriculture Switzerland	2023	10.3390/agriculture13030668
13	Plant Abiotic and Biotic Stress Alleviation: From an Endophytic Microbial Perspective	Kumar, V.; Nautiyal, C.S.	Current Microbiology	2022	10.1007/s00284-022-03012-2

13.2 Low-Carbon Energy Use

Swami Rama Himalayan University is committed to addressing the global climate crisis through strategic action aligned with Sustainable Development Goal 13. Acknowledging the urgent need to combat climate change and its far-reaching impacts, the University has integrated climate-conscious policies, academic programs, research, and campus operations to build a resilient and environmentally responsible institution.

The University implements sustainable practices, including energy-efficient infrastructure and the adoption of electric mobility solutions. SRHU also engages in capacity-building programs, climate resilience research, and extensive community outreach initiatives to promote environmental stewardship both on and beyond the campus.

Carbon Reduction

The University has adopted a multi-pronged strategy to reduce its carbon footprint and contribute to global climate mitigation goals:

Carbon Audits: The University conducts regular carbon and energy audits to identify high-emission sources, optimize energy usage, and track emission reductions. These audits guide policy and infrastructure decisions.

Sustainable Infrastructure: All new buildings follow green construction principles with energy-efficient designs, such as thermal insulation, natural lighting, and proper ventilation. Existing structures are being retrofitted with LED lighting, BLDC fans, and star-rated appliances to lower electricity consumption and indirect CO_2 emissions.

Renewable Energy Usage: The rooftop solar installation offsets a significant portion of the University's grid power dependency, preventing the emission of hundreds of tonnes of CO_2 annually.

Tree Cover & Greenery: SRHU has a total of 1,60,800 sq. m. of green area with approx. 6,000 trees within the campus. SRHU has its own horticulture nursery, which maintains the green area. Annual plantation drives further enhance this green buffer, contributing to long-term sequestration and ecosystem restoration.

Promotion of Non-Motorized Transport: The campus supports cycling infrastructure and encourages walking, helping reduce emissions from intra-campus vehicular traffic.

13.2.1 Low-carbon energy tracking

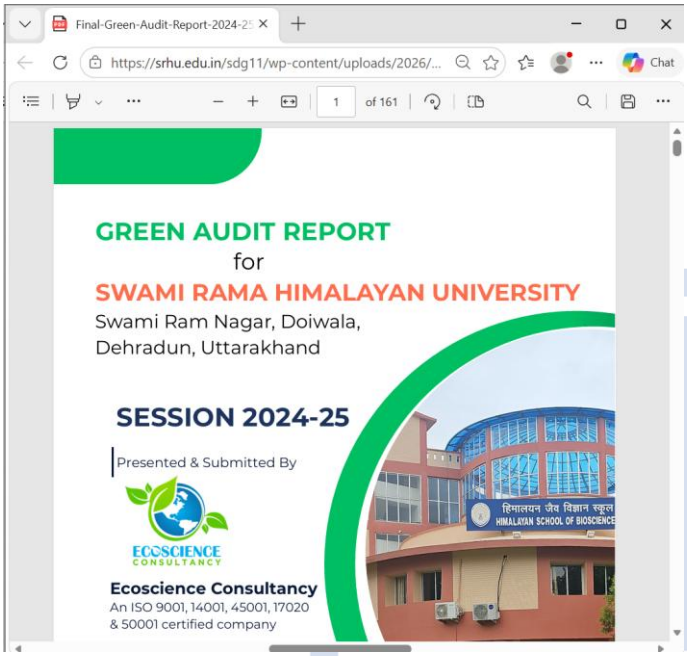
SRHU regularly measures and monitors the amount of carbon-based and low-carbon energy used across the University to support its sustainability goals and reduce greenhouse gas emissions. The university promotes the use of renewable sources such as solar power and energy-efficient systems to lower carbon intensity. Regular tracking helps evaluate progress, identify high-consumption areas, and guide strategies for energy optimization and transition toward a more sustainable, low-carbon campus. The evidence is publicly available on the University website. Low-carbon energy tracking is carried out through the Carbon Audit, which is embedded as part of the Green Audit Report. The Carbon Audit measures and reports the University's low-carbon energy generation and related energy savings, including solar energy generation and solar water-heating systems.

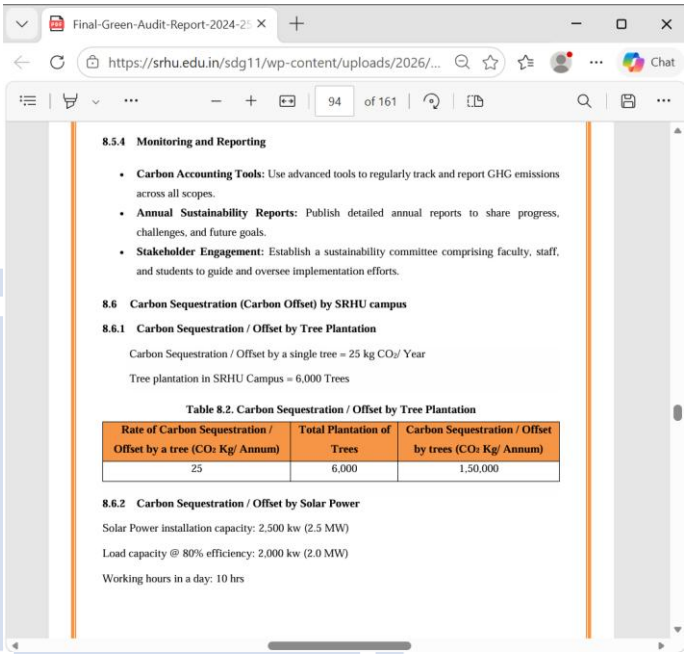
Particulars	Status	Details
Existence of measurement	**Yes**	Green Audit Report (Embedded with Carbon Accounting - Monitoring and Reporting)
Evidence provided	**Yes**	● Screenshot of Green Audit Report ● Screenshot of energy audit reports available on University website ● Carbon Footprint certificate (2024-25)
Is the evidence provided public	**Yes**	Available on website srhu.edu.in/energy-conservation

Evidences

Evidence 1:

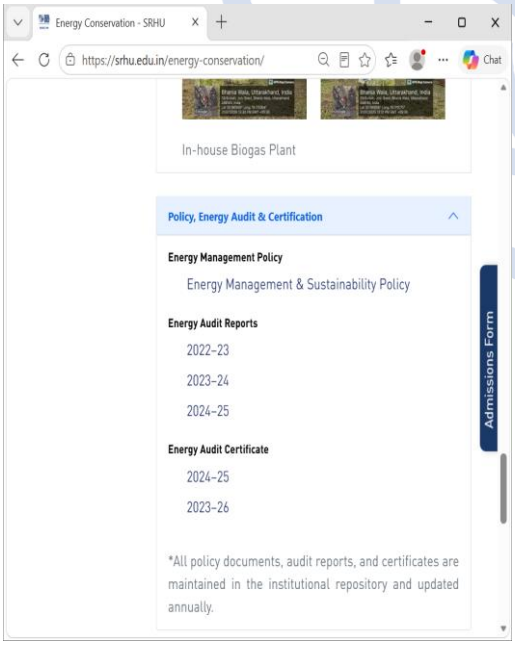
Green Audit Report (Embedded with Carbon Accounting - Monitoring and Reporting)





Evidence 2:

Screenshot of energy audit reports available on the University website



Evidence 3:

Carbon Footprint certificate (2024-25)



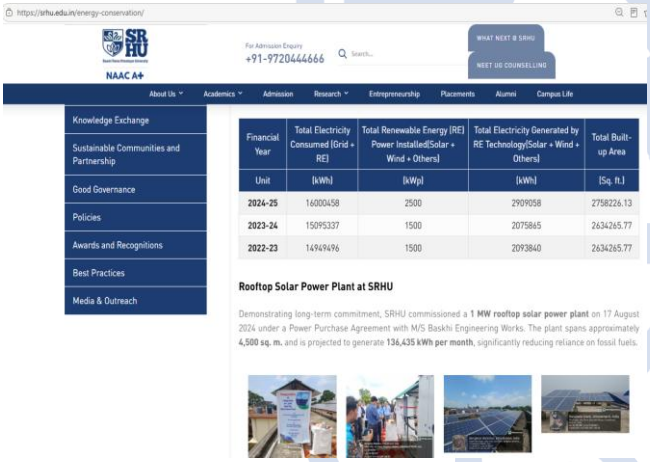
13.2.2 Low-Carbon Energy Use

Low-carbon energy use	Value
Total energy used	13782.10 (GJ)
Total energy used from low-carbon sources (Solar, Biogas)	10472.6 (GJ)

Evidences

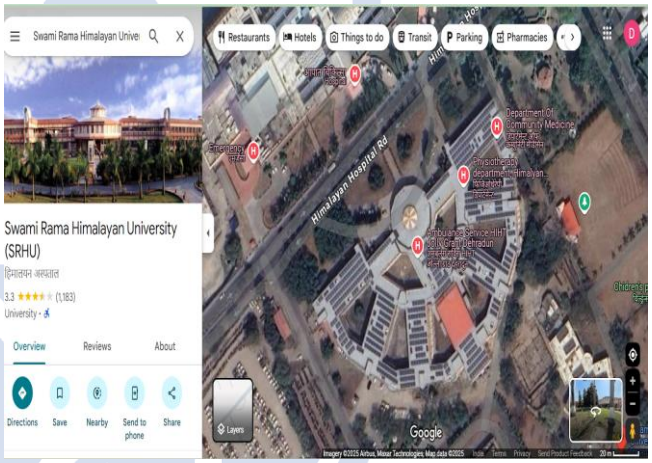
Evidence 1:

Screenshot of renewable energy details available on the University website



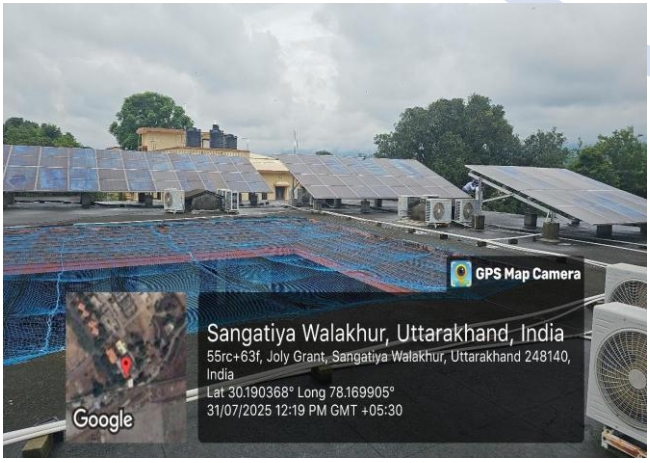
Evidence 2:

Aerial View of Solar energy generation facility at SRHU (Google Maps)



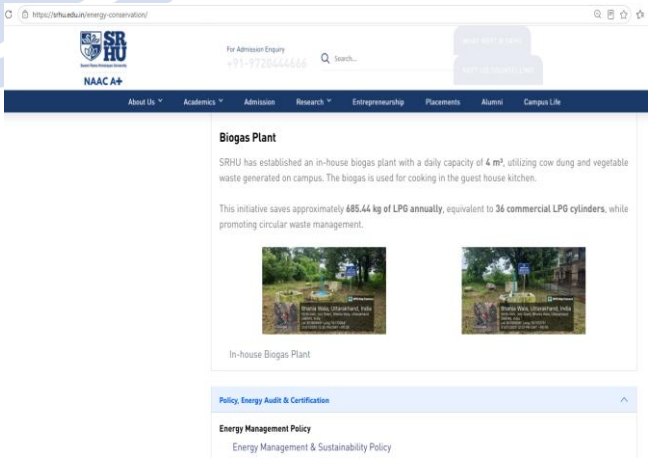
Evidence 3:

Aerial View of the solar energy generation facility at SRHU



Evidence 4:

Screenshot of Biogas Plant available on University website



Evidence 5:

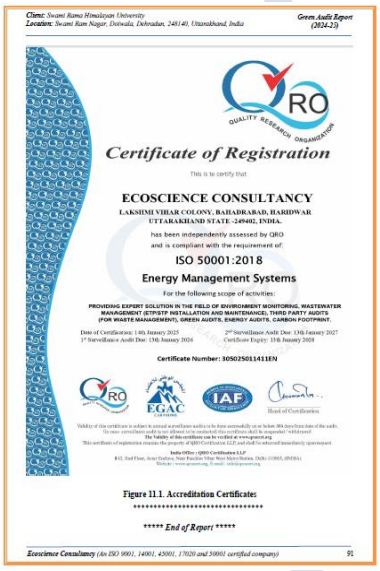
ISO 50001:2018 Certification demonstrates SRHU's commitment to energy efficiency and sustainable resource management in support of climate action

Evidence 6:

ISO 14001:2015 Certification demonstrates SRHU's commitment to an efficient environmental management system in support of climate action

Evidence 7:

ISO 17020:2012 Certification demonstrates SRHU's commitment to efficient environmental monitoring in support of climate action


Client: Swami Rama Himalayan University
Location: Swami Ram Nagar, Doiwala, Dehradun, 248140, Uttarakhand, India
Green Audit Report (2024-25)

Certificate of Registration

ECOSCIENCE CONSULTANCY
LAKSHMI VIHAR COLONY, BAHADRABAD, HARIDWAR
UTTARAKHAND STATE -249402, INDIA.

has been independently assessed by QRO and is compliant with the requirement of:

ISO 50001:2018
Energy Management Systems

For the following scope of activities:

PROVIDING EXPERT SOLUTION IN THE FIELD OF ENVIRONMENT MONITORING, WASTEWATER MANAGEMENT (ETP/STP INSTALLATION AND MAINTENANCE), THIRD PARTY AUDITS (FOR WASTE MANAGEMENT), GREEN AUDITS, ENERGY AUDITS, CARBON FOOTPRINT.

Date of Certification: 14th January 2025
1st Surveillance Audit Due: 13th January 2026
2nd Surveillance Audit Due: 13th January 2027
Certificate Expiry: 13th January 2028

Certificate Number: 30502501141EN

Figure 11.1. Accreditation Certificates

***** End of Report *****

Ecoscience Consultancy (An ISO 9001, 14001, 45001, 17020 and 50001 certified company) 91


Client: Swami Rama Himalayan University
Location: Swami Ram Nagar, Doiwala, Dehradun, 248140, Uttarakhand, India
Green Audit Report (2024-25)

Certificate of Registration

ECOSCIENCE CONSULTANCY
LAKSHMI VIHAR COLONY, BAHADRABAD, HARIDWAR
UTTARAKHAND STATE -249402, INDIA.

has been independently assessed by QRO and is compliant with the requirement of:

ISO 14001:2015
Environmental Management System

For the following scope of activities:

PROVIDING EXPERT SOLUTION IN THE FIELD OF ENVIRONMENT MONITORING, WASTEWATER MANAGEMENT (ETP/STP INSTALLATION AND MAINTENANCE), THIRD PARTY AUDITS (FOR WASTE MANAGEMENT), GREEN AUDITS, ENERGY AUDITS, CARBON FOOTPRINT

Date of Certification: 14th January 2025
1st Surveillance Audit Due: 13th January 2026
2nd Surveillance Audit Due: 13th January 2027
Certificate Expiry: 13th January 2028

Certificate Number: 30502501140SE

Ecoscience Consultancy (An ISO 9001, 14001, 45001, 17020 and 50001 certified company) 88


Client: Swami Rama Himalayan University
Location: Swami Ram Nagar, Doiwala, Dehradun, 248140, Uttarakhand, India
Green Audit Report (2024-25)

Certificate of Compliance

This is to certify that the Conformity Assessment Certification of
ECOSCIENCE CONSULTANCY
at
LAKSHMI VIHAR COLONY, BAHADRABAD, HARIDWAR
UTTARAKHAND STATE -249402, INDIA.

has been independently assessed and is compliant with the requirements of:

ISO/IEC 17020:2012

For the following scope of activities:

PROVIDING EXPERT SOLUTION IN THE FIELD OF ENVIRONMENT MONITORING, WASTEWATER MANAGEMENT (ETP/STP INSTALLATION AND MAINTENANCE), THIRD PARTY AUDITS (FOR WASTE MANAGEMENT), GREEN AUDITS, ENERGY AUDITS, CARBON FOOTPRINT.

Certificate Number: UQ - 2025011405

Validity of this certificate can be verified at www.ukcertifications.org.uk/verify

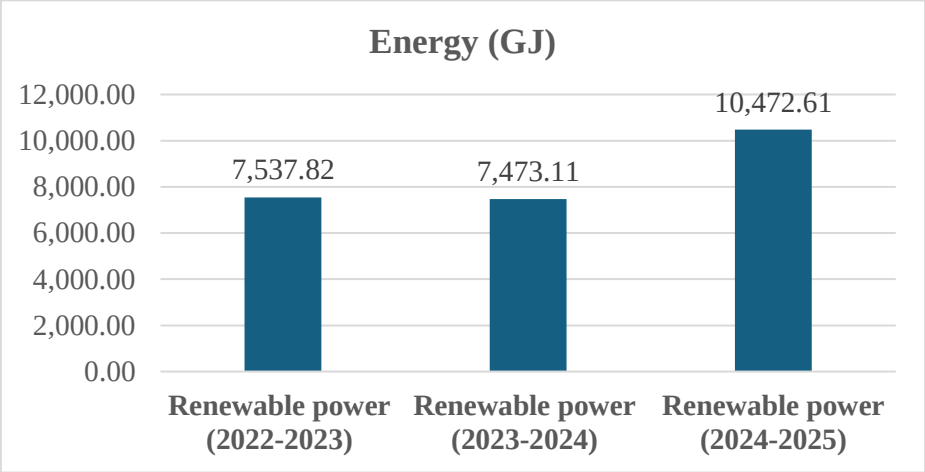
Date of Certification: 14th January 2025
1st Surveillance Audit Due: 13th January 2026
2nd Surveillance Audit Due: 13th January 2027
Certificate Expiry: 13th January 2028

Authorised Signatory

Ecoscience Consultancy (An ISO 9001, 14001, 45001, 17020 and 50001 certified company) 90

In response to climate change and the growing global demand for sustainable energy sources, the University has taken significant strides in adopting eco-friendly practices. A notable initiative is the installation of a 2.5 MW rooftop solar power plant on the SRHU campus. This forward-thinking project not only underscores the University's commitment to environmental sustainability but also serves as an educational resource for students and the broader community. The solar power plant greatly reduces the University's carbon footprint by minimizing reliance on fossil fuels, thereby decreasing greenhouse gas emissions. Additionally, it conserves water resources, as solar energy production requires far less water compared to conventional power generation methods. The plant also enables substantial cost savings by generating on-site electricity, allowing the University to reinvest in educational initiatives and further sustainable projects.

Comparison of renewable power generated over the last three years



Contribution from Renewable Energy to total power demand

Year	Renewable Energy (%)
2024-2025	17.69%
2023-2024	13.36 %
2022-2023	13.62 %

In a further demonstration of its long-term commitment to sustainability, SRHU commissioned a new 1 megawatt (MW) rooftop solar power plant on 17 August 2024, under a Power Purchase Agreement (PPA) with M/S Baskhi Engineering Works. This state-of-the-art, on-grid installation features monocrystalline dual-side solar panels, each with a capacity of 545 watts, and spans an area of approximately 4,500 square meters on campus. The plant is projected to generate around 136,435 kWh per month, further reducing the university's reliance on fossil fuels and reinforcing its role as a green campus- advancing SDG Target 7.3: *"By 2030, double the global rate of improvement in energy efficiency."*

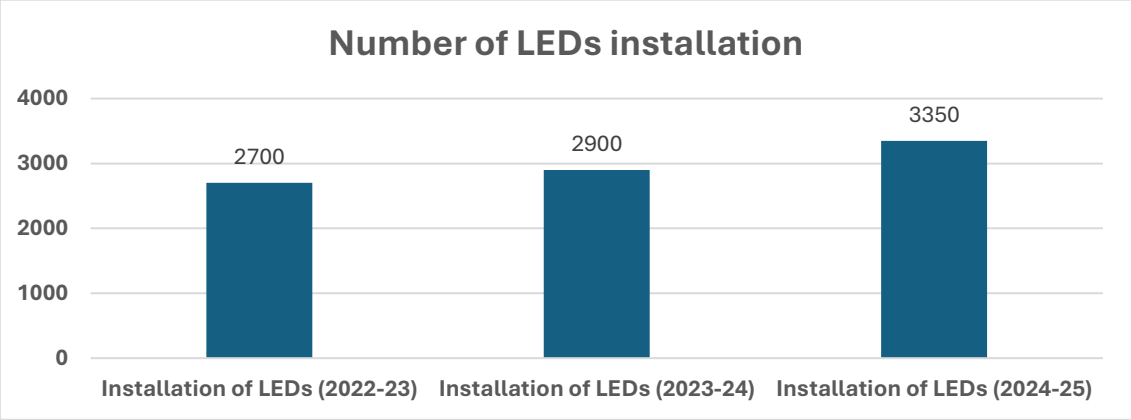


Fig. Shows the new installation of LEDs during the last three years for energy conservation.

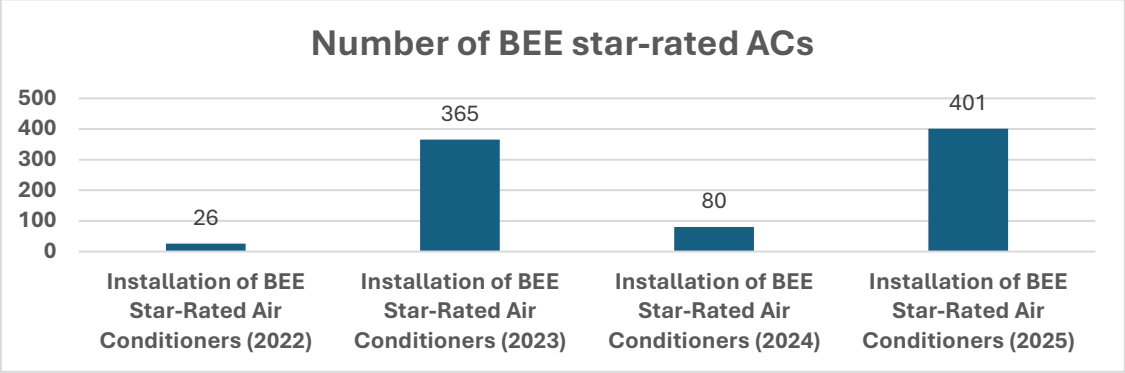
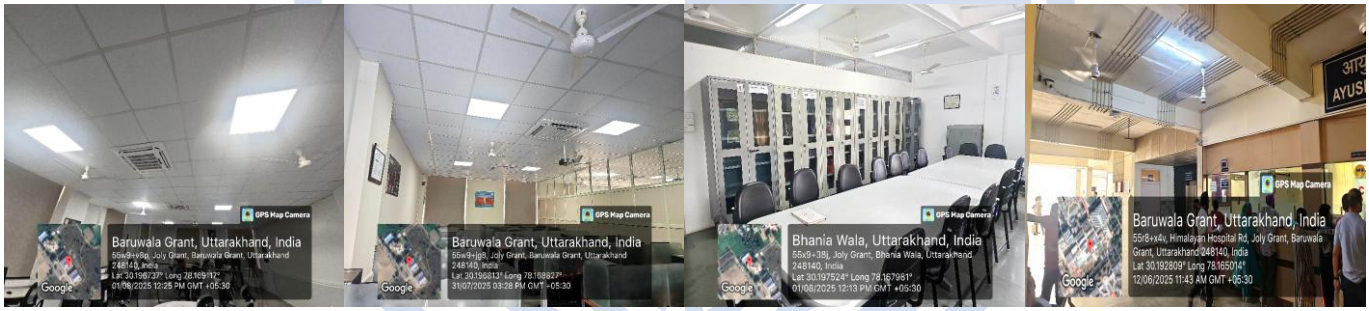


Fig. Shows the new installation of BEE star-rated Air Conditioners during the last three years for energy conservation.

SRHU has transitioned to LED lighting throughout its campus infrastructure, including classrooms, administrative buildings, hostels, and hospitals. This initiative aligns directly with SDG Target 7.3: *"By 2030, double the global rate of improvement in energy efficiency."* LEDs consume up to 80% less electricity than traditional lights, leading to a significant reduction in energy bills and carbon emissions. To further enhance efficiency, smart lighting systems equipped with motion sensors and automated controls have been installed in select areas. These systems ensure that lights are only activated when spaces are occupied, thereby preventing energy wastage.



LED lighting at the University as a step promoting energy efficiency



Energy-efficient BLDC (Brushless Direct Current) fans within hospital premises to enhance energy conservation





Energy-efficient split inverter air conditioners

The University's centralized HVAC system aligns with SDG 7.3 by incorporating Variable Frequency Drive (VFD) pumps in water-cooled chillers, which dynamically adjust motor speed based on demand, reducing power consumption. A heat recovery wheel recaptures up to 85% of return air temperature, contributing to thermal efficiency. Additionally, Mechanical Ventilation with Heat Recovery (MVHR) systems are employed to reduce load on air conditioners, achieving 25–50% energy savings. Variable Refrigerant Volume (VRV) systems installed in outpatient departments (OPDs) further enhance localized climate control with optimal energy use.

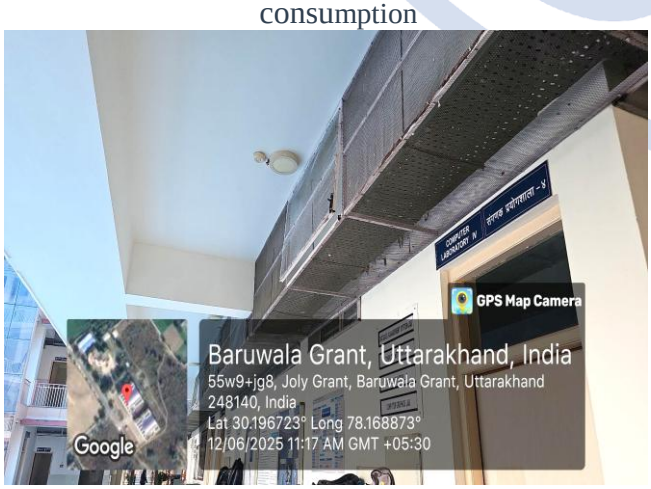
In a notable HVAC upgrade, SRHU replaced a 378 TR AC package unit with a BEE star-rated unit using the eco-friendly refrigerant R-407. The new unit has an Energy Efficiency Ratio (EER) of 0.88 kW/TR, reducing the campus electrical load by 102.06 kW and achieving annual savings of 44,702 kWh, assuming 12 hours of daily operation.



HVAC system installed in the University to optimize thermal comfort and reduce energy consumption



Use of energy-saving message slips to save energy and reduce carbon emissions





Motion-based sensor lights at the SST building and Block 5, Boys Hostel, SRHU

Biogas Generation for Carbon Management:

Swami Rama Himalayan University (SRHU) has strengthened its commitment to sustainable energy practices by setting up an in-house biogas plant on campus.

- Area: 750 Sq ft
- Capacity: 4 m^3/day



Biogas plant at the University converts organic waste into clean cooking fuel

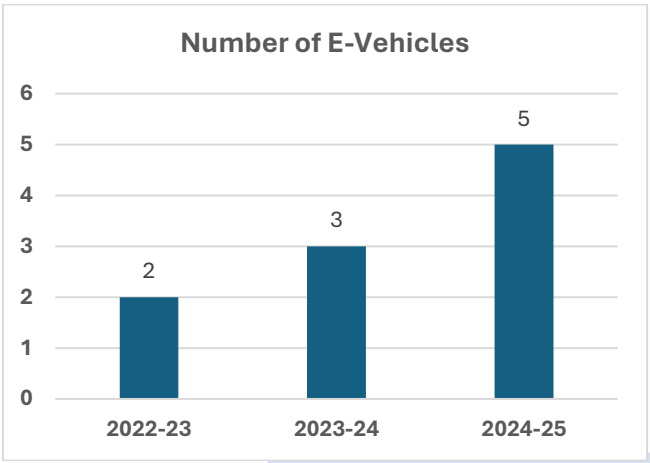
The University has strengthened its commitment to sustainable energy practices by setting up an in-house biogas plant on campus- an initiative that directly contributes to SDG Target 7.2: *"By 2030, substantially increase the share of renewable energy in the global energy mix"*.

Located behind the university guest house, the biogas plant has a daily capacity of 4 cubic meters (m^3) and operates using cow dung from the campus dairy and vegetable waste from the guest house kitchen as feedstock. The biogas generated is efficiently utilized for cooking in the guest house kitchen, offering an eco-friendly alternative to conventional fuels. This initiative has led to an annual saving of 685.44 kg of LPG, which is equivalent to approximately 36 commercial LPG cylinders. It also aligns with SDG Target 7.1: *"By 2030, ensure universal access to affordable, reliable and modern energy services,"* by promoting access to clean, cost-effective cooking fuel within the campus community.

Beyond energy savings, the project plays a crucial role in organic waste recycling, promoting a circular approach to resource management and contributing meaningfully to the nation's energy conservation goals.

Sustainable Transportation and Mobility

SRHU demonstrates its commitment to Sustainable Development Goal 13: Climate Action by integrating electric vehicles (EVs) into its campus operations. This initiative significantly reduces greenhouse gas emissions by replacing fossil fuel-powered vehicles with eco-friendly EVs, thereby lowering the university's carbon footprint and contributing to a cleaner, healthier environment. EVs now serve as an efficient and sustainable mode of transportation for faculty, staff, campus shuttles, and maintenance activities. To further encourage the adoption of EVs, SRHU has strategically installed charging stations at key locations across the campus, facilitating the transition to greener transportation solutions and reinforcing its dedication to environmental sustainability.





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





Bicycle rental facility available for students to commute sustainably across the campus

13.3 Environmental Education Measures

The University demonstrates a strong commitment to SDG 13 (Climate Action) by demonstrating activities around local education projects and collaborations on climate change impacts, adaptation, impact reduction, and early warning systems in its academic programs, research, and extension activities. The university's Environmental Science course is specifically designed to formulate and implement academic programs and campus-based projects that focus on environmental sustainability.

13.3.1: Local Education Programmes on Climate

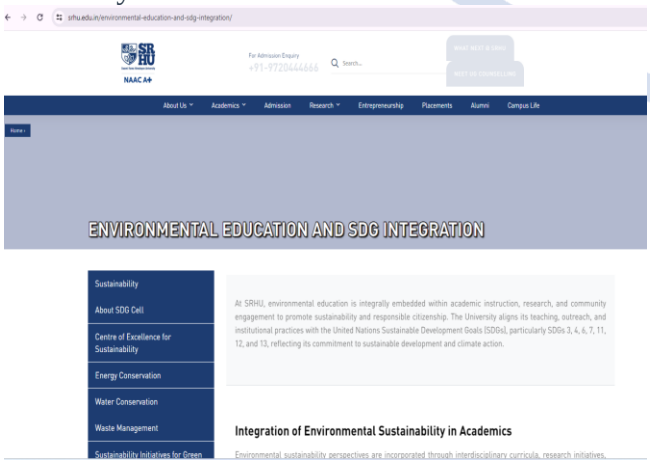
As part of its holistic educational approach, SRHU mandates a core course on 'Environmental Studies' for all undergraduate programs, ensuring that students gain a foundational understanding of environmental issues, sustainability, and climate change. This course provides local education programmes or campaigns on climate change risks, impacts, mitigation, adaptation, impact reduction and early warning. The evidence of the courses is provided and awareness activities are available on the University website.

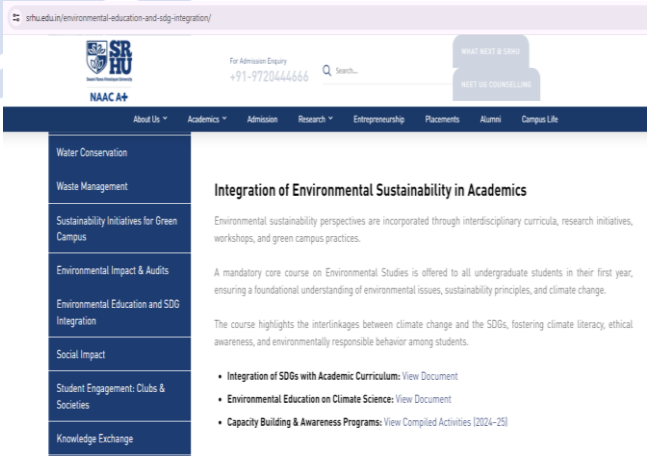
Particulars	Status	Details
Existence of programmes or campaigns	**Yes**	Local education programmes focus on Climate and environmental sustainability (List of activities is mentioned below)
Evidence provided	**Yes**	● Screenshot of 'local education programmes focus on Climate and environmental sustainability' available on the university website ● List of Community climate & environmental sustainability activities at SRHU ● List of SRHU courses in alignment with SDG 13: Climate Action
Is the evidence provided public	**Yes**	srhu.edu.in/environmental-education-and-sdg-integration

Evidences

Evidence 1:

Screenshot of 'local education programmes focus on Climate and environmental sustainability' available on the university website





Evidence 2:

Community climate & environmental sustainability activities at SRHU

Activity	Details	Community / environmental dimension
Springshed management & spring rejuvenation	WATSAN/RDI works on spring conservation, aquifer recharge, catchment treatment, Chal-Khal, check dams, and direct-injection recharge models.	Community-managed drinking-water security and climate resilience
Community water & sanitation programmes	Water, sanitation and environmental programmes have been implemented across 2,000 villages, according to SRHU's 2026 best-practice documentation.	Rural communities, water security, sanitation and climate adaptation
Springshed interventions in villages	SRHU reports springshed management initiatives in 97 villages.	Restoration of mountain water sources and community water security
Rainwater harvesting	SRHU has implemented 600+ rooftop rainwater harvesting systems as part of community water-security work.	Water conservation and reduced pressure on local sources
Solar-powered water supply	Solar-based community water-supply systems have been implemented in remote/mountain areas.	Renewable energy, drinking-water access
GESI-responsive Springshed Management	SRHU organised a four-day international training in 2025 with ICIMOD and GBPNIHE involving 63 participants from Nepal, Bhutan and Indian Himalayan states.	Combines climate resilience, gender/social inclusion and community institutions
International Springshed field exposure	In February 2026, SRHU demonstrated its Banganga Spring Rejuvenation work to IUCN delegates from 11 countries.	Nature-based solutions + community ownership + groundwater recharge
Village-level tree plantation	RDI conducts plantation activities with villagers, schoolchildren and community leaders, including native, medicinal and fruit-bearing trees.	Biodiversity, ecological restoration and livelihood resilience
World Environment Day activities	SRHU conducts campus and village-level plantation drives, environmental awareness and campaigns.	Student-community environmental engagement
Environmental sanitation drives	Community/public-health activities include sanitation drives and environmental awareness.	Clean communities, public health and environmental responsibility
Climate Action student activities	SDG Champions Clubs include dedicated Climate Action, Clean Water & Sanitation, Green Innovation & Renewable Energy, Sustainable Agriculture & Food Security and Zero Waste activities.	Student-led community engagement and behavioural change
Waste management / plastic reduction	SRHU works on waste segregation, reduction of single-use plastics and awareness programmes.	Circularity, pollution reduction and behavioural change
Biodiversity & green cover	Tree plantation, native species protection, and green-campus activities are combined with environmental awareness.	Ecosystem conservation and climate mitigation/adaptation

Evidence 3:

There are 68 courses in various programs of the University that address climate change and environmental issues. The courses are listed below:

List of courses in alignment with SDG 13: Climate Action

S. No.	Program Name	UG/PG	Course Code	Course Title	Course Description
1	B.Com(Hons.)	UG	BCM207	Environment Studies	This course explores the relationships between humans and nature. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems; and promotes sustainable development for a balanced future.
2	B.Sc Nursing	UG	N-COMH (I) 310	Community Health Nursing I including Environmental Science & Epidemiology - Theory	It focuses on health promotion, disease prevention, and community care. It includes Environmental Science and Epidemiology to understand health determinants, environmental impacts like climate change, and disease patterns for effective public health practice.
3	Post Basic B.Sc. Nursing	UG	PBN207	Environmental Science	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems, and promotes sustainable development for a balanced future.
4	BRT	UG	EVS301	Environmental Science	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems, address global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems and promote sustainable development for a balanced future.
5	BRIT	UG	EVS301	Environmental Science	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems, address global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems and promote sustainable development for a balanced future.
6	BMLT	UG	EVS301	Environmental Science	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems, and promotes sustainable development for a balanced future.
7	B.Optom.	UG	EVS301	Environmental Science	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems; and promotes sustainable development for a balanced future.

S. No.	Program Name	UG/PG	Course Code	Course Title	Course Description
8	BASLP	UG	EVS301	Environmental Science	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems, and promotes sustainable development for a balanced future.
9	BOT	UG	EVS301	Environmental Science	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems,s and promotes sustainable development for a balanced future.
10	BBA	UG	BBA 107	Environment Studies	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems, and promotes sustainable development for a balanced future.
11	MBBS	UG		Community Medicine	This course focuses on preventing disease, promoting health, and improving community well-being through education and public health initiatives. It aligns with SDG-13 by addressing climate-related health impacts and promoting resilience to environmental changes.
12	B.Sc. (H) Biotechnology	UG	AECC 111	Environmental Science-I	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems, and promotes sustainable development for a balanced future.
13	B.Sc. (H) Biotechnology	UG	BBTC 233	Chemistry-I	It introduces fundamental concepts of matter, chemical reactions, and their applications in daily life. It aligns with SDGs by promoting sustainable chemical practices, reducing environmental pollution, and supporting climate action through green chemistry innovations.
14	B.Sc. (H) Biotechnology	UG	BBTOE 231	Bioethics and Biosafety	This course focuses on ethical principles, safety measures, and responsible conduct in biological research and biotechnology. It aligns with the SDGs by promoting sustainable scientific practices, protecting human and environmental health, and ensuring ethical innovation for global well-being.
15	B.Sc. (H) Biotechnology	UG	BBTSE 231	Microbial Quality Control in Food and Pharmaceutical Industries	It focuses on detecting, preventing, and managing microbial contamination to ensure product safety and quality. It aligns with SDGs by promoting sustainable production, reducing waste, and minimizing environmental impact through eco-friendly quality assurance practices.
16	B.Sc. (H) Biotechnology	UG	AECC 231	Environmental Sciences-II	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning

S. No.	Program Name	UG/PG	Course Code	Course Title	Course Description
					systems, and promotes sustainable development for a balanced future.
17	B.Sc. (H) Biotechnology	UG	BBTOE 241	Beverage biotechnology	It explores the microbial and biochemical processes involved in producing beverages like beer, wine, and juices. It aligns with SDGs by promoting sustainable production methods, reducing resource waste, and minimizing environmental impact in the beverage industry.
18	B.Sc. (H) Biotechnology	UG	BBTOE 242	Biotechnology and Human Welfare	This course explores the application of biotechnological tools to improve health, agriculture, and industry. It aligns with SDGs by promoting sustainable biotechnological practices and developing solutions to address environmental and climate challenges.
19	B.Sc. (H) Biotechnology	UG	BBTSE 241	Nano Biotechnology	The application of nanotechnology in biological systems for medicine, agriculture, and industry. It advances targeted drug delivery, diagnostics, and sustainable technologies, contributing to innovative solutions for health and environmental challenges.
20	B.Sc. (H) Biotechnology	UG	BBTC 502	Industrial Biotechnology	It applies biological systems, organisms, and processes to produce chemicals, fuels, and materials sustainably. It promotes eco-friendly manufacturing, resource efficiency, and reduced environmental impact, supporting SDG goals.
21	B.Sc. (H) Biotechnology	UG	BBTC 503	Environmental Biotechnology	This course focuses on biological processes and organisms to address environmental challenges, such as pollution control, waste management, and ecosystem restoration. It supports SDG-12 and SDG-13 by promoting sustainable resource use and climate-resilient environmental solutions.
22	B.Sc. (H) Biotechnology	UG	BBTE 501 B	Bioprocess Engineering	This course explores Bioprocess Engineering, focusing on the design, optimization, and scale-up of biological production systems for sustainable industrial applications.
23	B.Sc. (H) Biotechnology	UG	BBTE 501 C	Food Biotechnology	This course covers Food Biotechnology, exploring the use of microorganisms and enzymes to enhance food quality, safety, and sustainability.
24	B.Sc. (H) Biotechnology	UG	BTBC 601	Biostatistics, Bioethics, Biosafety, IPR & Computers	This course focuses on ethical principles, safety measures, and responsible conduct in biological research and biotechnology. It aligns with the SDGs by promoting sustainable scientific practices, protecting human and environmental health, and ensuring ethical innovation for global well-being.
25	B.Sc. (H) Biotechnology	UG	BBTE 601 A	Molecular Farming	This course explores molecular farming using genetically engineered plants to sustainably produce biomolecules like pharmaceuticals and enzymes, advancing eco-efficient biomanufacturing in line with SDGs.
26	B.Sc. (H) Biotechnology	UG	BBTE 601 B	Downstream Processing	This course covers Downstream Processing, focusing on the separation, purification, and recovery of bioproducts from complex mixtures. It emphasizes sustainable, efficient bioprocess design.
27	B.Sc. (H) Biotechnology	UG	BBTE 601 C	Industrial Waste Management	This course focuses on Industrial Waste Management, emphasizing waste minimization, treatment, and resource recovery strategies for sustainable industry practices.
28	B.Sc. (H) Microbiology	UG	BMBSE 111	Mushroom Farming	This course focuses on Mushroom Farming, covering cultivation methods, substrate formulation, and value-added processing to promote sustainable food production and waste utilization.
29	B.Sc. (H) Microbiology	UG	AECC 111	Environmental Science-I	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate

S. No.	Program Name	UG/PG	Course Code	Course Title	Course Description
					change, impacts, adaptation, impact reduction & early warning systems, and promotes sustainable development for a balanced future.
30	B.Sc. (H) Microbiology	UG	BMBC 122	Industrial Microbiology	This course explores the use of microorganisms in industrial processes for producing biochemicals, enzymes, and biofuels. It emphasizes sustainable biotechnological practices supporting SDG-13 through eco-friendly innovations.
31	B.Sc. (H) Microbiology	UG	BBTC 233	Chemistry-I	It introduces fundamental concepts of matter, chemical reactions, and their applications in daily life. It aligns with SDGs by promoting sustainable chemical practices, reducing environmental pollution, and supporting climate action through green chemistry innovations.
32	B.Sc. (H) Microbiology	UG	BBTOE 231	Bioethics and Biosafety	This course focuses on ethical principles, safety measures, and responsible conduct in biological research and biotechnology. It aligns with the SDGs by promoting sustainable scientific practices, protecting human and environmental health, and ensuring ethical innovation for global well-being.
33	B.Sc. (H) Microbiology	UG	BBTSE 231	Microbial Quality Control in Food and Pharmaceutical Industries	It focuses on detecting, preventing, and managing microbial contamination to ensure product safety and quality. It aligns with SDGs by promoting sustainable production, reducing waste, and minimizing environmental impact through eco-friendly quality assurance practices.
34	B.Sc. (H) Microbiology	UG	AECC 231	Environmental Sciences-II	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems, and promotes sustainable development for a balanced future.
35	B.Sc. (H) Microbiology	UG	BBTOE 242	Biotechnology and Human Welfare	This course explores the application of biotechnological tools to improve health, agriculture, and industry. It aligns with SDGs by promoting sustainable biotechnological practices and developing solutions to address environmental and climate challenges.
36	B.Sc. (H) Microbiology	UG	BBTSE 241	Nano Biotechnology	The application of nanotechnology in biological systems for medicine, agriculture, and industry. It advances targeted drug delivery, diagnostics, and sustainable technologies, contributing to innovative solutions for health and environmental challenges.
37	B.Sc. (H) Microbiology	UG	BMBC 503	Industrial Microbiology	This course introduces the use of microorganisms in large-scale production of enzymes, biofuels, and pharmaceuticals, promoting sustainable bioprocessing.
38	B.Sc. (H) Microbiology	UG	BMBC 504	Environmental Microbiology	This course covers the roles of microorganisms in ecosystems, bioremediation, and pollution control, fostering sustainable environmental management.
39	B.Sc. (H) Microbiology	UG	BMBE 501 B	Food & Dairy Microbiology	This course covers the role of microorganisms in food production, preservation, and safety, promoting sustainable and hygienic practices.
40	B.Sc. (H) Microbiology	UG	BMBE 501 C	Microbiological Analysis of Air and Water	This course focuses on microbiological analysis of air and water, teaching techniques to detect, quantify, and control microbial contaminants, supporting safe, sustainable environmental management.
41	B.Sc. (H) Microbiology	UG	BMBE 601 A	Bio-fertilizers and Bio-pesticides	This course covers bio-fertilizers and bio-pesticides, exploring the use of beneficial microorganisms to enhance soil fertility and pest management sustainably.

S. No.	Program Name	UG/PG	Course Code	Course Title	Course Description
42	Bachelor of Pharmacy	UG	BP206T	Environmental Sciences	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems, and promotes sustainable development for a balanced future.
43	B.Tech CSE	UG	HST112	Environmental Studies	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems, and addresses global environmental challenges like climate change.
44	B.Tech CSE	UG	GES471	Disaster Management	It covers preparedness, response, recovery, mitigation strategies, and early warning systems to reduce the impact of natural and human-made disasters. It aligns with SDG-13 by enhancing community resilience to climate-related hazards and promoting climate-adaptive disaster planning.
45	BCA	UG	HS112T	Environmental Studies	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems, and promotes sustainable development for a balanced future.
46	BCA	UG	BCA309	Disaster Management	It covers preparedness, response, recovery, mitigation strategies, and early warning systems to reduce the impact of natural and human-made disasters. It aligns with SDG-13 by enhancing community resilience to climate-related hazards and promoting climate-adaptive disaster planning.
47	B.Sc. Data Science	UG	MD121T	Environmental Studies	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems, and promotes sustainable development for a balanced future.
48	B.Sc. Yoga Science and Holistic Health	UG	BYSC105	Public Health and Hygiene	This course covers the principles of public health, disease prevention, and community hygiene practices. It promotes environmental health strategies aligned with SDG-13 to mitigate climate-related health risks.
49	B.Sc. Yoga Science and Holistic Health	UG	BYS603	Fundamentals of Environmental Science	This course explores the relationships between humans and the natural world. It covers ecological principles, environmental issues, sustainability, conservation, and the impact of human activities on ecosystems; addresses global environmental challenges like climate change, impacts, adaptation, impact reduction & early warning systems; and promotes sustainable development for a balanced future.
50	MSc Epidemiology	PG	CMEC001	Environmental and Occupational Epidemiology	This course covers Environmental and Occupational Epidemiology, focusing on the study of disease patterns related to environmental and workplace exposures, promoting health risk reduction.

S. No.	Program Name	UG/PG	Course Code	Course Title	Course Description
51	M.Sc. Clinical Research	PG	CMCR517	Environmental & Regulatory Physiology	This course covers Environmental & Regulatory Physiology, focusing on how environmental factors influence physiological processes and regulatory mechanisms, promoting climate-conscious health and sustainability practices.
52	MD Community Medicine	PG	1101509	Nutrition, Environmental Health, Primary Health Care system, Panchayat Raj system, National Health Programs, RCH, Demography and Family Welfare, Health Care Administration, Health Management and Public Health Leadership.	This course covers integrated strategies for sustainable community health, resource-efficient healthcare delivery, and leadership in public health.
53	Master of Hospital Administration	PG	MHA122	Hospital Planning and Operations	This course covers Hospital Planning and Operations, focusing on the design, management, and sustainable operation of healthcare facilities to optimize resource use, reduce environmental impact, and enhance patient care.
54	Master of Hospital Administration	PG	MHA126	Human Resource Management	This course covers Human Resource Management, focusing on effective workforce planning, development, and organizational leadership to optimize productivity and sustainability.
55	M.Sc. Microbiology	PG	MMBT302	Industrial Microbiology	This course explores Mushroom Farming, focusing on cultivation techniques, substrate preparation, and post-harvest management for sustainable food and income generation.
56	M.Sc. Microbiology	PG	MMBE301	Microbial Technology	This course covers the application of microorganisms in industry, agriculture, and environmental management for sustainable production and pollution mitigation.
57	M.Sc. Microbiology	PG	MMBE302	Industrial Waste Management	This course focuses on methods for minimizing, treating, and recycling industrial waste to protect ecosystems. It integrates sustainable waste management practices supporting SDG-13 through pollution reduction and resource conservation.
58	M.Sc. Microbiology	PG	MMBE304	Soil and Agriculture Microbiology	This course covers the role of microorganisms in soil fertility, crop productivity, and sustainable farming practices.
59	M.Sc. Microbiology	PG	MMBE309	Nano Biotechnology	The application of nanotechnology in biological systems for medicine, agriculture, and industry. It advances targeted drug delivery, diagnostics, and sustainable technologies, contributing to innovative solutions for health and environmental challenges.

S. No.	Program Name	UG/PG	Course Code	Course Title	Course Description
60	M.Sc. Microbiology	PG	MMBE 310	Bioprocess Technology	This course covers the use of biological systems for sustainable production of biochemicals, pharmaceuticals, and biofuels, promoting eco-efficient practices.
61	M.Sc. Biotechnology	PG	MBTT 303	Food and Industrial Biotechnology	This course covers the application of biological processes and microorganisms to produce food, enzymes, and bio-based products.
62	M.Sc. Biotechnology	PG	MBTE 302	Advanced Environmental Biotechnology	This course covers advanced environmental biotechnology, focusing on cutting-edge microbial and bioprocess strategies for pollution control, waste treatment, and ecosystem restoration, promoting sustainable solutions.
63	M.Sc. Biotechnology	PG	MBTE 305	Agrobiotechnology	It covers the use of biotechnological tools to improve crop yield and resistance, and supports eco-friendly agricultural practices
64	M.Sc. Biotechnology	PG	MBTE 306	Metabolic Engineering	It covers the optimization of cellular pathways for enhanced production of biofuels, pharmaceuticals, and biochemicals, promoting resource-efficient bioprocesses
65	M.Sc. Biotechnology	PG	MBTE 308	Nanobiotechnology	This course focuses on the application of biotechnological tools to enhance crop productivity, pest resistance, and sustainable agriculture production.
66	M.Sc. Biotechnology	PG	MBTE 310	Energy & Environment	This course covers sustainable energy production, environmental conservation, and the mitigation of climate impacts, promoting practices aligned with SDGs.
67	M.Sc. Biotechnology	PG	MBTE 311	Synthetic Biology	This course focuses on the design and engineering of biological systems for innovative, sustainable applications in medicine, industry, and the environment.
68	M.Sc. Biochemistry	PG	MBCT 301	Environmental Biochemistry & Toxicology	This course focuses on the biochemical impacts of pollutants and toxic substances on ecosystems and human health, promoting sustainable environmental management.

13.3.2 Climate Action Plan, Shared

Swami Rama Himalayan University recognizes climate change as a significant environmental, social, and developmental challenge requiring coordinated action by educational institutions, government agencies, communities, and other stakeholders. The University has Climate Action Plan since 2022. SRHU recognizes that effective climate action requires cooperation beyond the University campus. Accordingly, this Climate Action Plan has been shared with relevant local government authorities and local community groups for information, consultation, collaboration and coordinated action.

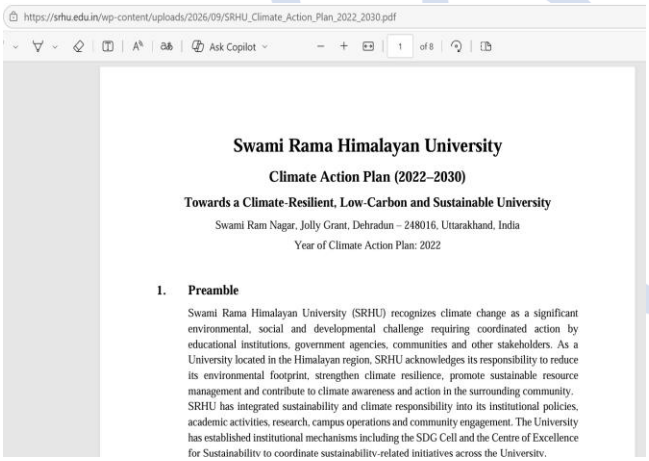
Particulars	Status	Details
Existence of plan	**Yes**	Climate action plan since 2022

Evidence provided	**Yes**	Screenshots provided below: • Climate Action Plan • Policy for Climate Action for Sustainability • MoUs on environmental sustainability and development • Letter of Key Resource Centre (KRC) under National Jal Jeevan Mission (NJJM) to conduct a training programme for Capacity building
Is the evidence provided public	**Yes**	Available on website • Climate Action Plan srhu.edu.in/wp-content/uploads/2026/09/SRHU_Climate_Action_Plan_2022_2030.pdf • Policy for Climate Action for Sustainability srhu.edu.in/policies-guidelines/policy-for-climate-action-for-sustainability/ • MoUs on environmental sustainability and development srhu.edu.in/mous/

Evidences

Evidence 1:

Screenshots of Climate Action Plan



https://srhu.edu.in/wp-content/uploads/2026/09/SRHU_Climate_Action_Plan_2022_2030.pdf

Ask Copilot

1 of 8

Swami Rama Himalayan University

Climate Action Plan (2022–2030)

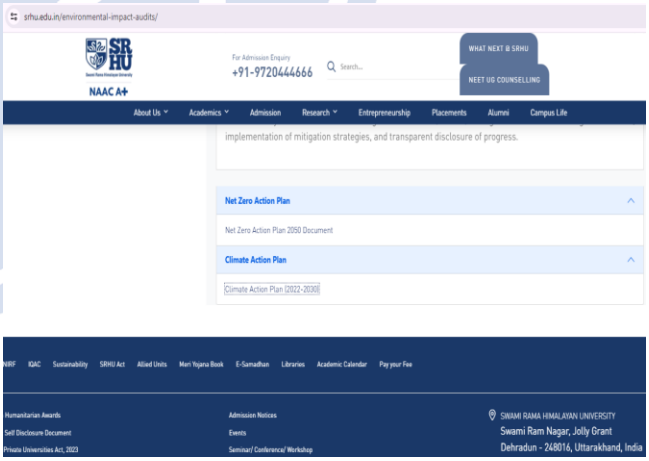
Towards a Climate-Resilient, Low-Carbon and Sustainable University

Swami Ram Nagar, Jolly Grant, Dehradun – 248016, Uttarakhand, India

Year of Climate Action Plan: 2022

1. Preamble

Swami Rama Himalayan University (SRHU) recognizes climate change as a significant environmental, social and developmental challenge requiring coordinated action by educational institutions, government agencies, communities and other stakeholders. As a University located in the Himalayan region, SRHU acknowledges its responsibility to reduce its environmental footprint, strengthen climate resilience, promote sustainable resource management and contribute to climate awareness and action in the surrounding community. SRHU has integrated sustainability and climate responsibility into its institutional policies, academic activities, research, campus operations and community engagement. The University has established institutional mechanisms including the SDG Cell and the Centre of Excellence for Sustainability to coordinate sustainability-related initiatives across the University.



srhu.edu.in/environmental-impact-audits/

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implementation of mitigation strategies, and transparent disclosure of progress.

Net Zero Action Plan

Net Zero Action Plan 2050 Document

Climate Action Plan

Climate Action Plan (2022-2030)

NIRF | IQAC | Sustainability | SRHU Act | Allied Units | Meri Yojana Book | E-Samadhan | Libraries | Academic Calendar | Pay your Fee

Humanitarian Awards

Self Disclosure Document

Private Universities Act, 2023

Admission Notices

Events

Seminar/ Conference/ Workshop

SWAMI RAMA HIMALAYAN UNIVERSITY

Swami Ram Nagar, Jolly Grant

Dehradun - 248016, Uttarakhand, India

Evidence 2:

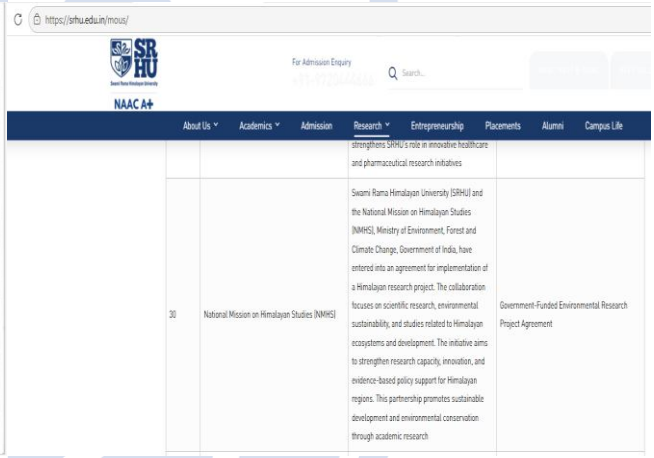
Screenshot of Policy for Climate Action for Sustainability available on the University website



Evidence 3:

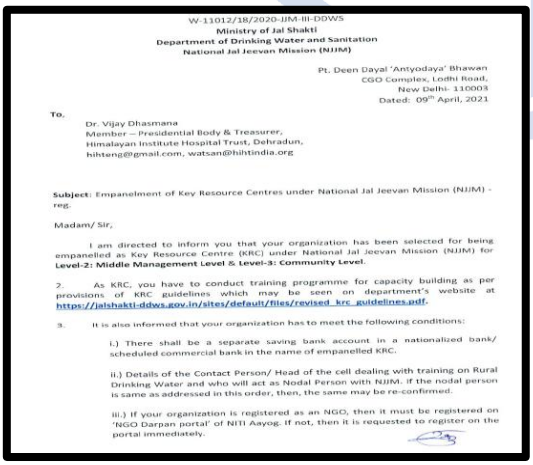
Snapshot of MoUs on environmental sustainability and development under National Mission on Himalayan Studies (NMHS)

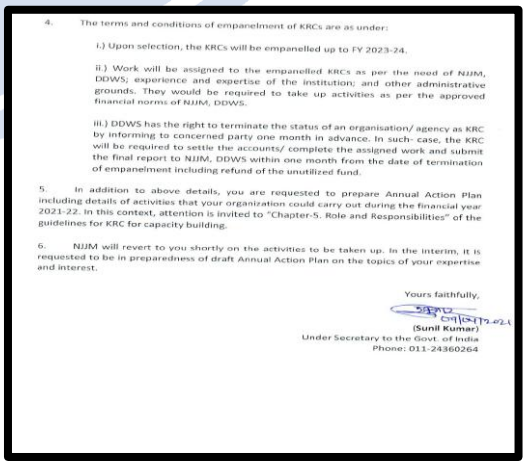




Evidence 4:

Letter of Key Resource Centre (KRC) under National Jal Jeevan Mission (NJJM) to conduct a training programme for Capacity building





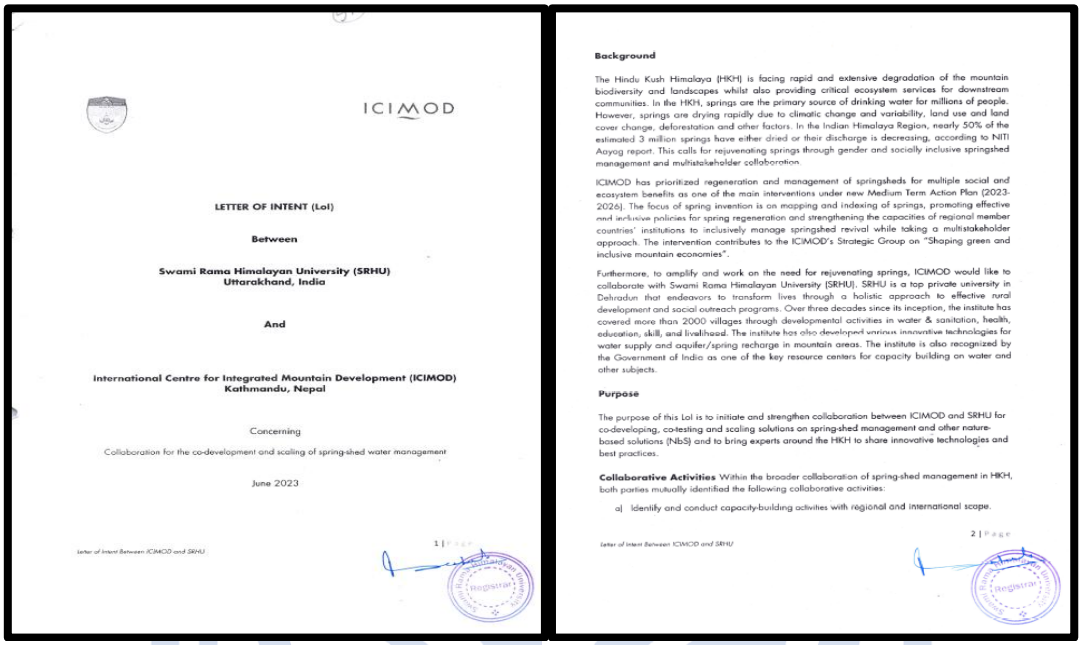
13.3.3 Co-operative Planning for Climate Change Disasters

The University actively promotes such collaborative and sustainable approaches through education, research, and community engagement in disaster resilience and climate action. Co-operative planning for climate change disasters involves collaborative efforts among governments, communities, NGOs, and private sectors to effectively prepare for, respond to, and recover from climate-related hazards. This approach emphasizes participatory decision-making, early warning systems, and adaptive infrastructure, fostering collective responsibility to mitigate the impacts of climate-induced disasters. The University participates in co-operative planning for climate change disasters both within a country and across borders, working with the government.

Particulars	Status	Details
Existence of participation	**Yes**	SRHU has MoUs and conducts collaborative activities on climate change disaster planning.
Evidence provided	**Yes**	• MoU with International Centre for Integrated Mountain Development (ICMOD), Nepal • Snapshot of MoU with International Centre for Integrated Mountain Development (ICIMOD)-Nepal, available on University website • **Name of Program:** 4-day Regional Training Workshop on GESI-responsive springshed management in the Hindu Kush Himalaya • **Name of Program:** Affordable Climate-resilient Water Supply Infrastructure Prototype for Indian Himalayan Region • **Name of Program:** 2-day Co-learning Exposure Visit on Springshed Management for Water Security • **Name of Program:** World Environment Day- One-day awareness session on Water Conservation & Waste Management
Is the evidence provided public	**Yes**	srhu.edu.in/mous/ https://srhu.edu.in/circulars-and-notices/

Evidence 1:

MoU with International Centre for Integrated Mountain Development (ICMOD), Nepal



ICIMOD

LETTER OF INTENT (LoI)

Between

Swami Rama Himalayan University (SRHU)
Uttarakhand, India

And

International Centre for Integrated Mountain Development (ICIMOD)
Kathmandu, Nepal

Concerning

Collaboration for the co-development and scaling of spring-shed water management

June 2023

Letter of Intent Between ICIMOD and SRHU 1 | Page

Background

The Hindu Kush Himalaya (HKH) is facing rapid and extensive degradation of the mountain biodiversity and landscapes whilst also providing critical ecosystem services for downstream communities. In the HKH, springs are the primary source of drinking water for millions of people. However, springs are drying rapidly due to climatic change and variability, land use and land cover change, deforestation and other factors. In the Indian Himalaya Region, nearly 50% of the estimated 3 million springs have either dried or their discharge is decreasing, according to NITI Aayog report. This calls for rejuvenating springs through gender and socially inclusive springshed management and multistakeholder collaboration.

ICIMOD has prioritized regeneration and management of springsheds for multiple social and ecosystem benefits as one of the main interventions under new Medium Term Action Plan (2023-2026). The focus of spring invention is on mapping and indexing of springs, promoting effective and inclusive policies for spring regeneration and strengthening the capacities of regional member countries' institutions to inclusively manage springshed revival while taking a multistakeholder approach. The intervention contributes to the ICIMOD's Strategic Group on "Shaping green and inclusive mountain economies".

Furthermore, to amplify and work on the need for rejuvenating springs, ICIMOD would like to collaborate with Swami Rama Himalayan University (SRHU). SRHU is a top private university in Dehradun that endeavors to transform lives through a holistic approach to effective rural development and social outreach programs. Over three decades since its inception, the institute has covered more than 2000 villages through developmental activities in water & sanitation, health, education, skill, and livelihood. The institute has also developed various innovative technologies for water supply and aquifer/spring recharge in mountain areas. The institute is also recognized by the Government of India as one of the key resource centers for capacity building on water and other subjects.

Purpose

The purpose of this LoI is to initiate and strengthen collaboration between ICIMOD and SRHU for co-developing, co-testing and scaling solutions on spring-shed management and other nature-based solutions (NbS) and to bring experts around the HKH to share innovative technologies and best practices.

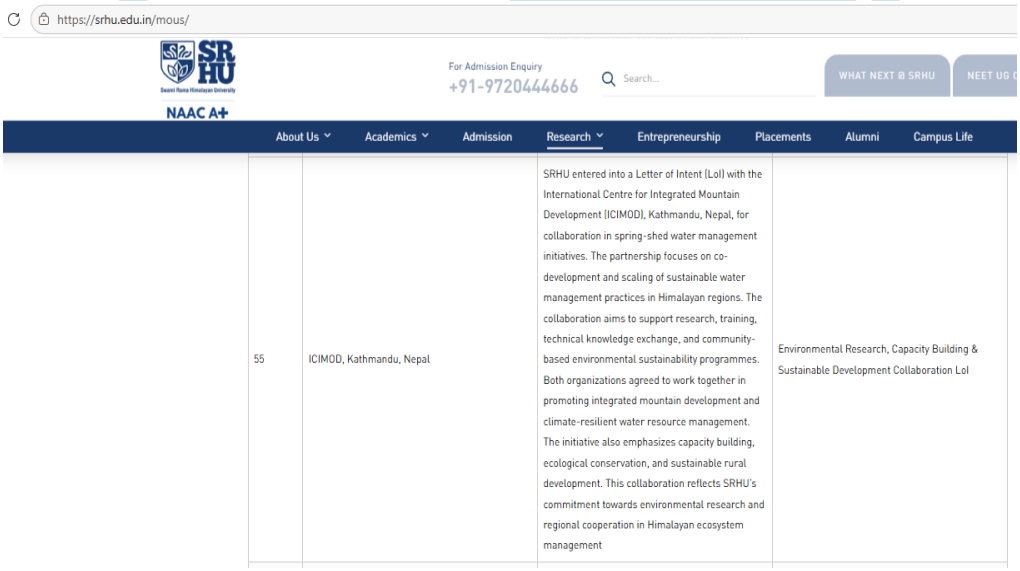
Collaborative Activities Within the broader collaboration of spring-shed management in HKH, both parties mutually identified the following collaborative activities:

a) Identify and conduct capacity-building activities with regional and international scope.

Letter of Intent Between ICIMOD and SRHU 2 | Page

Evidence 2:

Snapshot of MoU with International Centre for Integrated Mountain Development (ICIMOD)-Nepal, available on University website



The University has organised various activities for climate change-related issues both within a country and across borders, working with the government.

Evidence 3:

Regional Training Workshop on GESI-responsive springshed management in the Hindu Kush Himalaya

Name of Program	:	4-day Regional Training Workshop on GESI-responsive springshed management in the Hindu Kush Himalaya
Date	:	29 January 2025
Location	:	SRHU, Jollygrant, Dehradun, Uttarakhand
No. of beneficiaries	:	63 participants from **Nepal and Bhutan**, as well as from the Indian states of Nagaland, Meghalaya, Manipur, Ladakh, Jammu and Kashmir, Telangana, Arunachal Pradesh, Sikkim, Uttarakhand, Assam, and Maharashtra participated.
Supported by	:	The event is supported by ICIMOD's Himalayan Resilience Enabling Action Programme (HI-REAP), funded by the United Kingdom International Development (UKID), along with the Strengthening State Capacities on Climate Adaptation in the Indian Himalayas (SCA-Himalayas) funded by the Swiss Agency for Development Cooperation (SDC), India. In collaboration with the Swami Rama Himalayan University (SRHU) and G.B. Pant National Institute of Himalayan Environment (NIHE), ICIMOD.
Role of University	:	Staff/ Faculty- 15

Activity detail:

- The training program was inaugurated by Mr. Anand Vardhan (IAS), Additional Chief Secretary & CEO of the Spring and River Rejuvenation Authority (SARRA), Government of Uttarakhand, and Dr. Vijay Dhasmana, President, SRHU. Mr. Anand Vardhan (IAS) expressed his appreciation for the timely organization of this training and highlighted the significant role of women in spring revival efforts while emphasising their collaboration. He also shared that SARRA is actively working on critical springs, and shared learning will be key to ensuring water security for future generations.
- Provide an interdisciplinary approach to understand spring systems in the HKH, translating into knowledge and skills for springshed management to enhance the socio-ecological resilience of local communities.
- Build skills regarding springshed management activities through sound concepts, analyses, and field experience; develop a systematic methodology grounded in hydrogeology alongside disciplines such as gender, climate, environment, and water governance.
- Understand and analyse experiences and impacts of springshed management under different conditions across the HKH region.

- Learn to use appropriate innovative water supply technologies
- The resource persons ensured the integration of the GESI component in all six steps of springshed management.
- The program included visits to the sites showcasing innovative water supply technologies like solar water pumping and instrumentation sites by the National Institute of Hydrology. Participants also visited Kothigad village for interaction with local communities to understand their knowledge and participation in springshed management.
- Mrs. Ritu Khanduri Bhushan, Hon'ble Speaker, Uttarakhand Legislative Assembly, and Dr. Vijay Dhasmana, President, SRHU, emphasized the need for capacity building on spring revival using traditional wisdom with a scientific approach and concluded the training session.
- In conclusion, the training's success was evident through active participant engagement, with insightful discussions on all the six steps with inclusion of GESI responsive springshed management activities. The training also emphasized innovations in water supply technologies, both during sessions and field visits, enhancing participants' understanding of practical solutions for sustainable water management.
- **Poster Presentations:** The participants, representing their respective organisations/departments, presented the posters aligned with the status of springs (current scenario), causes of depletion of springs, focus of work (pilots, research, policy, etc.), traditional and current practices, key challenges, mechanism of GESI integration, case studies, technological innovation, etc. related to springshed management. Altogether, 11 posters were presented by the participants.





Evidence 4:

Name of Program	:	Affordable Climate-resilient Water Supply Infrastructure Prototype for Indian Himalayan Region
Date	:	29 March 2025
Location	:	5 Districts (Pauri, Rudraprayag, Chamoli, Tehri & Uttarkashi) of Uttarakhand
Supported by	:	National Mission on Himalayan Studies (NMHS), **Ministry of Environment, Forest & Climate Change (MoEFCC), Government of India,** with Swami Rama Himalayan University (SRHU)
Role of University	:	Staff/ Faculty- 6

Activity detail:

Aim: This project aims to develop a low-cost, Climate-resilient, prefabricated source tapping prototype and water supply infrastructure for the Indian Himalayan Region to ensure a continuous supply of clean water.

Objective(s):

- To Design and develop a low-cost, Climate-resilient, prefabricated source tapping & Filtration system tailored to the unique challenges of Tehri, Pauri, Rudraprayag, Chamoli and Uttarkashi.
- Action Research to assess the feasibility, scalability, functionality, and economic viability of the system; awareness raising, building sense of ownership, capacity building, and advocacy
- Access to potable and regular drinking water for indigenous mountain communities to improve access to clean drinking water for indigenous communities in these disaster-prone areas.

Goals:

To make an affordable and resilient water supply infrastructure which will be managed by the community and enhance the capacity of the community in **collaboration with government departments**.

Project Area

5 Districts – Chamoli, Rudraprayag, Pauri, Tehri, and Uttarkashi of Uttarakhand State have been selected for the project. Selected areas are regularly affected by flash floods, landslides, wildfires, glacier lake outbursts, cloudburst incidences, and earthquakes. The combination of unfavorable geology, steep sloping areas, and cloudburst incidences makes the occurrence of landslides very likely, with 51 percent of the state's area having high or very high landslide susceptibility. Frequent disasters, such as the 2013 floods and landslides with 4,000 fatalities, the 2016 forest fire affecting more than 4,500 hectares of forest, the 2021 rock and ice avalanche, and the slow subsidence unfolding in Joshimath - Chamoli, are disrupting development. This is having multi-dimensional effects on the state's development, including a water crisis during and after such incidents. 2,753 water schemes were damaged during the 2013 flash floods and landslides. The selected area's landmass falls under Seismic Zone IV or V, the highest seismic risk zones of the country, and has witnessed 11 major earthquakes over the last century. Our organization has implemented 342 water supply schemes of

different technologies - gravity &pumping form spring & stream and it has been observed that water supply structures particularly source tapping & filtration unit nearby water sources along with supply main pipe lines are most vulnerable to disasters (heavy rainfall, landslide, cloud burst, flash flood), while forest fires, earthquake, decrease in pre-monsson precipitation & winter precipitation / snowfall affecting lean period discharge of water sources.

This demand-driven action research proposal outlines a multifaceted project aimed at addressing the sustainability of pressing water supply schemes in the Himalayan regions. The primary objective is to develop an innovative and sustainable Affordable Climate-resilient water supply infrastructure prototype for the Indian Himalayan Region. This endeavour is driven by the critical and growing issue of water scarcity in hilly areas, exacerbated by climate change impacts and unreliable traditional water sources. The project's methodology is structured into eight phases, each serving a distinct purpose.

Activities to Achieve Project Goals

To accomplish the project's overarching goals of establishing disaster-resilient water supply systems in Tehri, Pauri, Uttarkashi, Chamoli, and Rudraprayag, the following methodology will be adopted. The methodology showing the process flow of the assessment, design, fabrication, and operation of the prototype model of the proposed device will be adopted:-

Step 1: Situational Assessment: The selected area faces several challenges, including vulnerability to flash floods, landslides, and earthquakes, which severely disrupt water supply systems, exacerbate water scarcity during and after disasters, and endanger human lives. Natural groundwater springs & Rivulets suffer from deteriorating water quality during monsoons and dry periods, leading to waterborne diseases. These challenges underscore the pressing need for a disaster-resilient water supply system.

Step 2: Review of Existing Technologies: A comprehensive review of existing disaster-resilient water supply technologies will be conducted. This includes studying both domestic and international solutions to gather insights and best practices.

Step 3: Stakeholder Consultations: Engaging with stakeholders, including local communities, government authorities, and relevant organizations, is crucial. Initial consultations will be held to understand the specific needs and challenges in the study areas.

Step 4: Development of Precise Designs: Detailed designs and technical specifications for affordable, climate-resilient water supply infrastructure equipped with a filtration system will be developed. These designs will focus on optimizing water inflow, preventing the entry of sediments and debris, ensuring efficient water treatment, and ensuring regular water supply.

Step 5: Prototype Development: A pilot-scale prototype of the disaster-resilient water supply system will be developed. This prototype will serve as a model for the actual system and will undergo lab simulations and field-scale testing.

Step 6: Field Pilot Testing: The prototype will be installed in selected disaster-prone areas. Field pilot testing will be conducted under various scenarios and seasons to assess the system's performance under adverse conditions.

Step 7: Monitoring and Data Collection: Data will be collected continuously to evaluate how effectively the system functions and treats water. Particular attention will be given to improvements in water quality.

Step 8: Comprehensive System Analysis: A thorough analysis of the disaster-resilient water supply system's performance will be conducted. This analysis will cover technical feasibility, economic viability, and scalability potential.

Step 9: Capacity Building & Training Programs: Training sessions on new technology for engineers and community members (Gram Panchayat, Women, Village water sanitation committees, and Van Panchayat will be organized.

Step 10: Sustainability Planning: A sustainability plan will be developed to ensure the continued functionality of the implemented systems. This plan will outline strategies for Operation & Maintenance.



Field visit and community participation during the training on Affordable Climate-resilient Water Supply Infrastructure Prototype for Indian Himalayan Region

Evidence 5:

Name of Program	**:**	2-day Co-learning Exposure Visit on Springshed Management for Water Security
Date	**:**	22-23 April 2025
Location	**:**	Swami Rama Himalayan University (SRHU), Jolly Grant, Uttarakhand & Red Fox Hotel – Lemon Tree, Dehradun, Uttarakhand
Number of Beneficiaries	**:**	**Day 1:** 32 participants **(including 9 Mayors from Nepal and Uttarakhand, and 23 participants from SRHU/ICIMOD Nepal/ PSI Dehradun**) **Day 2:** 22 participants (including 8 Mayors from Nepal and 14 participants from SRHU/ICIMOD Nepal/ PSI Dehradun)

Supported by	**:**	This program was organized under the Himalayan Resilience Enabling Action Programme (HI-REAP) of the International Centre for Integrated Mountain Development (ICIMOD), in collaboration with Swami Rama Himalayan University (SRHU), Dehradun, and the People's Science Institute.
Role of University	**:**	Staff/Faculty- 12

Activities:

Day 1 Highlights- 22 April 2025, SRHU, Jolly Grant, Uttarakhand

- **Participation:** Eight mayors from Nepal and the Mayor of Dehradun, Mr. Saurabh Thapliyal, actively participated in the program.
- **Inauguration Ceremony:** The event was inaugurated with a warm welcome by Dr. Vijay Dhasmana, Hon'ble President, SRHU, along with other university dignitaries. Dr. Vijay Dhasmana emphasized the importance of mutual learning and shared SRHU's 28-year journey in the fields of water and sanitation in rural Uttarakhand.
- **Knowledge Exchange – Nepal Mayors:** Mayors from Nepal shared valuable insights and practices related to springshed management in their respective regions.
- **Technical Discussions:** Interactive discussions were held on innovative technologies and springshed management practices in the Indian Himalayan Region (IHR).
- **SRHU campus Visit:** Participants visited the Rural Development Institute (RDI) exhibition area and explored the 365-day rainwater harvesting model, showcasing sustainable water conservation.
- **Purpose of the Exposure Visit:** The program aimed to empower municipal leadership in Springshed Management by showcasing Indian success stories.
- Core Objectives of the Program:
    - **Direct Observation:** Firsthand learning of springshed strategies, challenges, and opportunities from organizations like WMD and SARRAD.
    - **Dialogue Platform:** Facilitating discussion on institutionalizing SSM as a nature-based solution through planning, coordination, and financing.
    - **Leadership Development & Co-learning:** Enabling knowledge exchange with representatives from Nepal to inspire policy-level inclusion of community-based SSM models.

Day 2- 23 April 2025, Red Fox Hotel- Lemon Tree, Dehradun, Uttarakhand

- Mr. Dharam Singh Meena, IFS, Additional Secretary, Government of Uttarakhand, delivered a presentation on "River Landscape Rejuvenation through Springshed Management Techniques", highlighting successful initiatives and their ecological impact.
- Mr. Vishal Mishra (IAS), Managing Director, State Water and Sanitation Mission (SWSM), spoke on integrating eco-tourism with environmental conservation and water resource planning in Uttarakhand.
- Male and female mayors from Nepal shared positive feedback, appreciating the practical insights and relevance of Indian models in springshed management.
- Participants visited the Municipal Corporation of Dehradun, where Mayor Mr. Saurabh Thapliyal welcomed the delegation and shared urban water management practices and spring-related initiatives in the city.





Discussion between participants of SRHU, ICIMOD Nepal and PSI Dehradun on innovative technologies and springshed management practices in the Indian Himalayan Region (IHR)

Evidence 6:

Name of Program	:	World Environment Day- One-day awareness session on Water conservation & Waste Management
Date	:	04 June 2025
Location	:	Wipro Enterprise Ltd, 99-103, Integrated Industrial Estate, Sector 6, Sidcul, Haridwar, Uttarakhand 247667
Number of Beneficiaries	:	24 Staff members of Wipro Enterprise Ltd
Supported by	:	Wipro Enterprise Ltd., Sidcul, Haridwar, with Swami Rama Himalayan University (SRHU)
Role of University	:	Staff/ Faculty- 03

On the occasion of World Environment Day, Wipro Enterprises Ltd., Haridwar organized an awareness session on Water Conservation and Waste Management for its staff and officers. The session was conducted by Er. Atul Uniyal, Scientist at SRHU, who delivered a presentation on sustainable solutions through Integrated Water Resource Management (IWRM), emphasizing the balanced development and management of water and related resources without compromising their sustainability. Key topics such as water conservation, groundwater recharge, rainwater harvesting, wastewater management, and pond rejuvenation were discussed. Additionally, Mr. Lakhpat Singh Bisht, Coordinator at HIHT, demonstrated water quality monitoring techniques using a Field Test Kit. The session was attended by 24 participants, including Mr. Arvind Chauhan, Human Resource Manager, Wipro Enterprises Ltd., and Dr. Vivek from HIHT–SRHU. The Wipro team appreciated the informative and engaging session, which concluded with a formal vote of thanks delivered by Mr. Arvind Chauhan.



Awareness session on Water Conservation & Waste Management at Wipro Enterprise Ltd., SIDCUL, Haridwar

13.3.4 Inform and Support Government

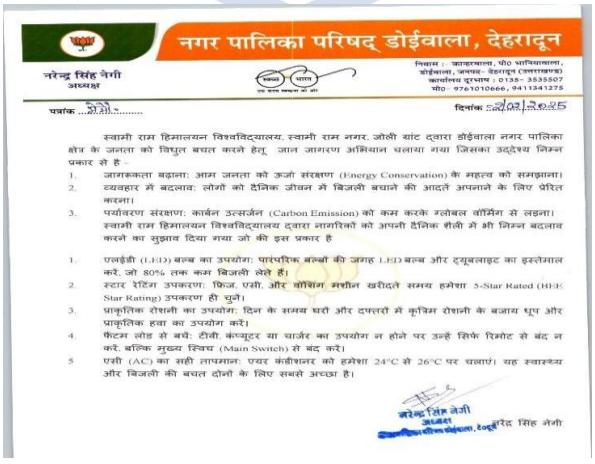
The university regularly conducts knowledge sessions and training programmes for government officials to enhance awareness on environmental sustainability, climate change disasters and preparedness, including water conservation, rainwater harvesting, drinking water & sanitation services during disasters and emergencies to ensure a climate resilience system. The details of the training/awareness programs are given below in the text.

Particulars	Status	Details
Existence of support	**Yes**	Support to Local administration and Dept. of Drinking Water & Sanitation, Ministry of Jal Shakti (MoJS)
Evidence provided	**Yes**	Details provided below: ● Support to Local administration (Doiwala-Municipal) ● 2 days of training on Change Management- Role (as Public Health Engineer) and Activities for Har Ghar Jal on: • 01 July, 2024 • 05 July 2024 • 15 July, 2024 • 29 July 2024 ● Social and Environmental Audit of STPs under Namami Gange Programme (6 months) ● One-day Executive Committee meeting of State Water & Sanitation Mission (SWSM), Govt. of Uttarakhand on 26th May 2025
Is the evidence provided public	**Yes**	Available on website: srhu.edu.in/wp-content/uploads/2026/09/Capacity-Building-and-Knowledge-Support-Activities-for-Government-on-Climate-Change-and-Resilience.pdf

Evidences

Evidence 1:

Support to Local administration



नगर पालिका परिषद् डोईवाला, देहरादून

नरेन्द्र सिंह नेगी
अध्यक्ष

पत्रांक ...231...

दिनांक :- 02/12/25

स्वामी राम हिमालयन विश्वविद्यालय, स्वामी राम नगर, जोली ग्रांट द्वारा डोईवाला नगर पालिका क्षेत्र के जनता को विद्युत बचत करने हेतु जन जागरण अभियान चलाया गया जिसका उद्देश्य निम्न प्रकार से है :-

1. जागरूकता बढ़ाना: आम जनता को ऊर्जा संरक्षण (Energy Conservation) के महत्व को समझाना।
2. व्यवहार में बदलाव: लोगों को दैनिक जीवन में बिजली बचाने की आदतें अपनाने के लिए प्रेरित करना।
3. पर्यावरण संरक्षण: कार्बन उत्सर्जन (Carbon Emission) को कम करके ग्लोबल वार्मिंग से लड़ना।

स्वामी राम हिमालयन विश्वविद्यालय द्वारा नागरिकों को अपनी दैनिक शैली में भी निम्न बदलाव करने का सुझाव दिया गया जो की इस प्रकार है

1. एलईडी (LED) बल्ब का उपयोग: पारंपरिक बल्बों की जगह LED बल्ब और ट्यूबलाइट का इस्तेमाल करें, जो 80% तक कम बिजली लेते हैं।
2. स्टार रेटिंग उपकरण: फ्रिज, एसी, और वॉशिंग मशीन खरीदते समय हमेशा 5-Star Rated (BEE Star Rating) उपकरण ही चुनें।
3. प्राकृतिक रोशनी का उपयोग: दिन के समय घरों और दफ्तरों में कृत्रिम रोशनी के बजाय धूप और प्राकृतिक हवा का उपयोग करें।
4. फैंटम लोड से बचें: टीवी, कंप्यूटर या चार्जर का उपयोग न होने पर उन्हें सिर्फ रिमोट से बंद न करें, बल्कि मुख्य स्विच (Main Switch) से बंद करें।
5. एसी (AC) का सही तापमान: एयर कंडीशनर को हमेशा 24°C से 26°C पर चलाएं। यह स्वास्थ्य और बिजली की बचत दोनों के लिए सबसे अच्छा है।

नरेन्द्र सिंह नेगी

Evidence 2:

Name of Program	:	2-day training on Change Management- Role (as Public Health Engineer) and Activities for Har Ghar Jal
Date	:	01 July, 2024
Location	:	Hotel Jasmin, Haldwani, Uttarakhand
No. of Beneficiaries	:	44 Engineers & mid-level Govt Officials, Govt. of Uttarakhand
Supported by	:	Dept. of Drinking Water & Sanitation, Ministry of Jal Shakti (MoJS), SWSM, Government of Uttarakhand, with Swami Rama Himalayan University (SRHU)
Role of University	:	Staff/ Faculty- 06

Activity detail:

The first day's program started with a formal inauguration, and sessions were conducted on Change Management- Role (as Public Health Engineer) and Activities for HAR GHAR JAL, Change Management in JJM, focusing on institutional mechanisms and stakeholder roles. He then addressed water quality monitoring and surveillance, discussing contamination, its adverse health effects, and demonstrating practical use of field testing kits. On the second day overview of water treatment and disinfection technologies, emphasizing the importance of chlorination, focused on participatory approaches for O&M under JJM, including social and behavioral change communication and participatory rural appraisal tools, introduced grey water management technologies, discussing the net zero concept, conventional and advanced treatment techniques, and nature-based solutions. The training was concluded with participants' findings, learnings, and feedback on the training session, along with a certificate distribution ceremony.





Evidence 3:

Name of Program	:	2-day training on Change Management- Role (as Public Health Engineer) and Activities for Har Ghal Jal
Date	:	05 July, 2024
Location	:	Uttarakhand Institute of Rural Development (UIRD), Rudrapur, Uttarakhand
No. of Beneficiaries	:	**45 Engineers & mid-level Govt Officials, Govt. of Uttarakhand**
Supported by	:	Dept. of Drinking Water & Sanitation, Ministry of Jal Shakti (MoJS), SWSM, Government of Uttarakhand with Swami Rama Himalayan University (SRHU)
Role of University	:	Staff/ Faculty- 06

First day Program was started with formal inauguration and sessions were conducted on Change Management- Role (as Public Health Engineer) and Activities for HAR GHAR JAL, Change Management in JJM, focusing on institutional mechanisms and stakeholder roles. He then addressed water quality monitoring and surveillance, discussing contamination, its adverse health effects, and demonstrating practical use of field testing kits. On the second day overview of water treatment and disinfection technologies, emphasizing the importance of chlorination, focused on participatory approaches for O&M under JJM, including social and behavioral change communication and participatory rural appraisal tools, introduced grey water management technologies, discussing the net zero concept, conventional and advanced treatment techniques, and nature-based solutions. The training was concluded with participants' findings, learnings, and feedback on the training session, along with a certificate distribution ceremony.





Training on Change Management- Role (as Public Health Engineer) in Haldwani, Uttarakhand

Evidence 4:

Name of Program:	:	2-day training on Change Management- Role (as Public Health Engineer) and Activities for Har Ghar Jal
Date	:	15 July, 2024
Location	:	Swami Rama Himalayan University (Dehradun and Haridwar districts participated in the training)
No. of Beneficiaries	:	35 Engineers & mid-level Govt Officials, Govt. of Uttarakhand
Supported by	:	Dept. of Drinking Water & Sanitation, Ministry of Jal Shakti (MoJS), SWSM, Government of Uttarakhand with Swami Rama Himalayan University (SRHU)
Role of University	:	Staff/ Faculty- 07

First day Program was started with formal inauguration and sessions were conducted on Change Management- Role (as Public Health Engineer) and Activities for HAR GHAR JAL, Change Management in JJM, focusing on institutional mechanisms and stakeholder roles. He then addressed water quality monitoring and surveillance, discussing contamination, its adverse health effects, and demonstrating practical use of field testing kits. On the second day overview of water treatment and disinfection technologies, emphasizing the importance of chlorination, focused on participatory approaches for O&M under JJM, including social and behavioral change communication and participatory rural appraisal tools, introduced grey water management technologies, discussing the net zero concept, conventional and advanced treatment techniques, and nature-based solutions. The training was concluded with participants' findings, learnings, and feedback on the training session, along with a certificate distribution ceremony.



Training on Change Management- Role (as Public Health Engineer) at SRHU

Evidence 5:

Name of Program:	:	2-day training on Change Management- Role (as Public Health Engineer) and Activities for Har Ghar Jal
Date:	:	29 July, 2024
Location:	:	Shrinagar, Pauri, Uttarakhand
No. of Beneficiaries:	:	40 Engineers & mid-level Govt Officials, Govt. of Uttarakhand
Supported by:	:	Dept. of Drinking Water & Sanitation, Ministry of Jal Shakti (MoJS), SWSM, Government of Uttarakhand with Swami Rama Himalayan University (SRHU)
Role of University:	:	Staff/ Faculty- 06

The programme commenced with a formal inauguration, followed by sessions on Change Management: Role of a Public Health Engineer and activities related to Har Ghar Jal. The sessions also covered Change Management under the Jal Jeevan Mission (JJM), with a focus on institutional mechanisms and the roles and responsibilities of various stakeholders. The participants were then introduced to water quality monitoring and surveillance, including sources of contamination, its adverse health impacts, and the practical use of field water-testing kits through demonstrations. The programme further covered an overview of water treatment and disinfection technologies, emphasizing the importance of chlorination. The sessions also focused on participatory approaches for Operation and Maintenance (O&M) under JJM, including Social and Behaviour Change Communication (SBCC) and Participatory Rural Appraisal (PRA) tools. Participants were also introduced to greywater management technologies, covering the Net Zero concept, conventional and advanced treatment techniques, and nature-based solutions. The training programme concluded with participants sharing their key findings, learnings, and feedback, followed by a certificate distribution ceremony.





Training on Change Management- Role (as Public Health Engineer) in Srinagar, Pauri, Uttarakhand

Evidence 6:

Name of Program	**:**	Social and Environmental Audit of STPs under Namami Gange Programme (6 months)
Date	**:**	01 January 2025
Location	**:**	7 STPs & 2 I&D in Dehradun, Haridwar, Nainital & Tehri Garhwal
Supported by	**:**	Namami Gange, State Mission for Clean Ganga (SMCG), Government of Uttarakhand with Swami Rama Himalayan University (SRHU)
Role of University	**:**	Staff/ Faculty- 7

Activity detail:

The River Ganga is of immense economic, environmental, and cultural importance to India. Government of India launched the **Namami Gange Programme** in 2014. It is a flagship initiative designed to rejuvenate the Ganga through a basin-wide, multi-sectoral approach. Significant steps-technical, institutional, and policy-level interventions have been initiated towards pollution abatement.

Namami Gange's interventions were planned keeping in view that these challenges are systemic and interlinked, requiring comprehensive and integrated solutions. Accordingly, the programme seeks to address both water quality and water quantity concerns through the financing of key infrastructure and institutional reforms. Given the distributed nature of interventions across multiple states and sectors, the Namami Gange Programme is expected to generate both environmental and social impacts. To ensure that these impacts are systematically identified and appropriately managed, an **Environmental and Social Framework (ESF)** has been developed. A cornerstone of the Namami Gange Programme is the development and operationalization of **Sewage Treatment Plants (STPs)** and **Interception & Diversion (I&D)** networks to prevent the discharge of untreated sewage into the river.

In this context, **Swami Rama Himalayan University (SRHU)** has been entrusted with the responsibility of conducting the **Environmental and Social Audit** of STP and I&D infrastructure projects across **nine locations** in the districts of **Haridwar, Tehri, Dehradun, and Nainital**. This initiative, sanctioned by the **State Mission for Clean Ganga (SMCG),** Government of Uttarakhand, aims to determine the environmental and social acceptability of these interventions while evaluating their impact on the local population and the river ecosystem. The social and environmental audit of STPs under the Namami Gange Program aims to determine whether the implementing activities are socially and environmentally acceptable, as well as to evaluate the effects of investments made under the Namami Gange program on living standards and the river environment in and around project locations. Accordingly, the primary objective of this audit is to assess how these projects have influenced the environment of the river in and around project locations, community living standards, health, sanitation, and hygiene. Social and environmental audits of following sites of 9 STPs / I&Ds were done under the Namami Gange Programme from January end to early May 2025. Based on these deliberations, a comprehensive audit checklist was developed to systematically assess the environmental and

social impacts of Sewage Treatment Plants (STPs) implemented under the Namami Gange Programme. The audit followed a structured methodology, incorporating data collection, stakeholder consultations, and field assessments. During the preparation phase, checklists were developed for environmental and social evaluation. As per the plan, the Social Audit was carried out at all 9 sites of four districts of Uttarakhand through Household Survey (HHS) and Focus Group Discussion (FGD), along with certain physical observations. HHS was conducted with a checklist having queries summarized in ten sections, like Water and Sanitation Facilities, Awareness and understanding about the purpose of STP, Community Perception, Health and Hygiene, ARTH Ganga, Displacement and Resettlement, Satisfaction with the Project, Grievance Redressal, and finally Suggestions and Additional Facilities or Services Demand by HHs, besides General Information.



Environmental and Social Audit of STPs

Evidence 7:

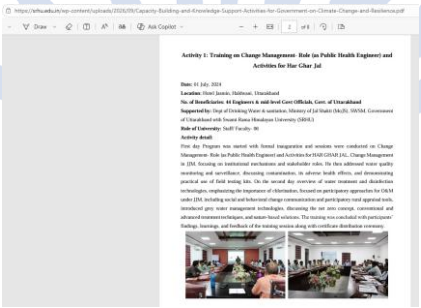
Name of Program	:	One-day Executive Committee meeting of State Water & Sanitation Mission (SWSM), Govt. of Uttarakhand
Date	:	26 May 2025
Location	:	SWSM Office, Dehradun, Uttarakhand
Supported by	:	State Water & Sanitation Mission (SWSM), Govt. of Uttarakhand, with Swami Rama Himalayan University (SRHU), Dehradun, and the People's Science Institute.
Role of University	:	Staff/Faculty- 1

Activities: Meeting on targets of various components included in the annual action plan for the financial year 2025-26 under Swachh Bharat Mission (Grameen) for rural sanitation enhancement and discussing the strategy. The following point/plan discussed-

1. Community Sanitary Complex (CSC) plan
2. Solid & Liquid Waste Management Plan
3. Plastic Waste Management
4. GOBARdhan Projects
5. Faecal Sludge Management (FSM)
6. Capacity Building
7. Information Education & Communication (IEC)



Executive Committee meeting of State Water & Sanitation Mission (SWSM), Govt. of Uttarakhand



Snapshot of activities conducted available on the University website



Screenshot of evidence available on the University website

13.3.5 Environmental Education Collaborate with NGO

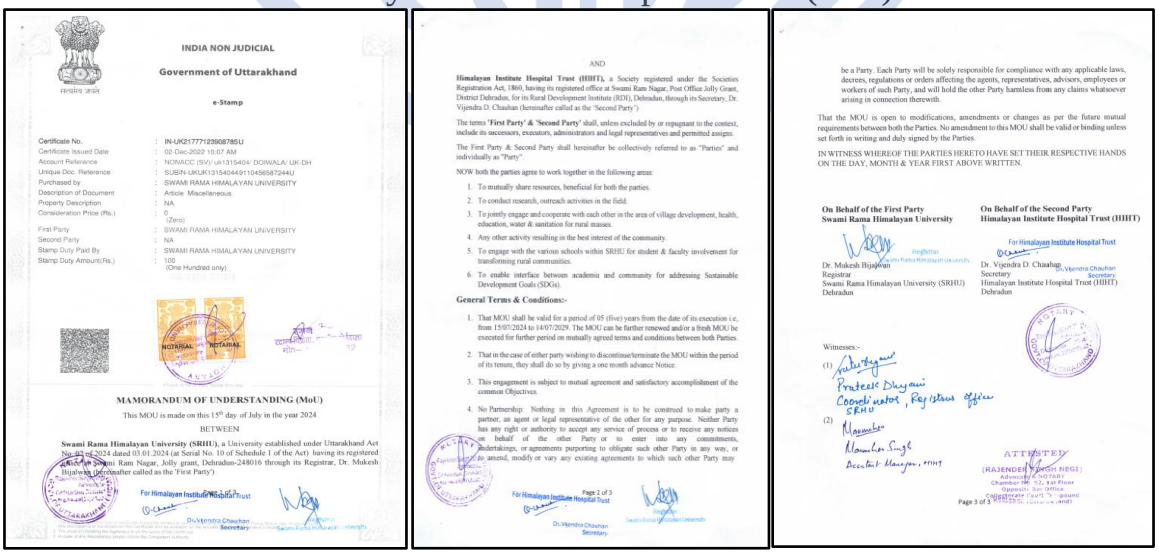
The University actively organizes events and activities focused on environmental awareness and climate action while engaging students, academicians, and staff through networking with NGOs. These events include celebrations of World Environment Day, climate action campaigns, tree plantation drives, clean-up initiatives, and interactive workshops focused on environmental conservation and sustainable living. By fostering dialogue through guest lectures, workshops, and exhibitions, the SRHU creates a platform for learning and collaboration, empowering the University community to contribute meaningfully to global climate action efforts.

Particulars	Status	Details
Existence of collaborations	**Yes**	Since 2024 with Rural Development Institute, Himalayan Institute Hospital Trust (HIHT)
Evidence provided	**Yes**	Activities conducted: ● Guest lecture by Green Pahadi Foundation (NGO) ● Guest Lecture (Environmental awareness and Climate Change) in collaboration with RDI ● Workshop on water conservation and Awareness programs in collaboration with RDI ● World Water Day celebration with WATSAN, RDI ● Activities on Swachchata Pakhwada in collaboration with RDI
Is the evidence provided public	**Yes**	Available on website: srhu.edu.in/wp-content/uploads/2026/09/Environmental-education-activities-in-collaboration-with-NGO.pdf

Evidences

Evidence 1:

MoU between SRHU and Himalayan Institute Hospital Trust (RDI)



INDIA NON JUDICIAL

Government of Uttarakhand

e-Stamp

MAMORANDUM OF UNDERSTANDING (MoU)

This MOU is made on this 15th day of July in the year 2024

BETWEEN

Swami Rama Himalayan University (SRHU), a University established under Uttarakhand Act No. 01 of 2024 dated 03.01.2024 (at Serial No. 10 of Schedule 1 of the Act) having its registered office at Swami Ram Nagar, Jolly grant, Dehradun-248016 through its Registrar, Dr. Mukesh Bijalwan (hereinafter called as the 'First Party')

AND

Himalayan Institute Hospital Trust (HIHT), a Society registered under the Societies Registration Act, 1860, having its registered office at Swami Ram Nagar, Post Office Jolly Grant, District Dehradun, for its Rural Development Institute (RDI), Dehradun, through its Secretary, Dr. Vijendra D. Chauhan (hereinafter called as the 'Second Party').

The terms 'First Party' & 'Second Party' shall, unless excluded by or repugnant to the context, include its successors, executors, administrators and legal representatives and permitted assigns.

The First Party & Second Party shall hereinafter be collectively referred to as "Parties" and individually as "Party".

NOW both the parties agree to work together in the following areas:

1. To mutually share resources, beneficial for both the parties.
2. To conduct research, outreach activities in the field.
3. To jointly engage and cooperate with each other in the area of village development, health, education, water & sanitation for rural masses.
4. Any other activity resulting in the best interest of the community.
5. To engage with the various schools within SRHU for student & faculty involvement for transforming rural communities.
6. To enable interface between academia and community for addressing Sustainable Development Goals (SDGs).

General Terms & Conditions:-

1. That MOU shall be valid for a period of 05 (five) years from the date of its execution i.e. from 15/07/2024 to 14/07/2029. The MOU can be further renewed and/or a fresh MOU be executed for further period on mutually agreed terms and conditions between both Parties.
2. That in the case of either party wishing to discontinue/terminate the MOU within the period of its tenure, they shall do so by giving a one month advance Notice.
3. This engagement is subject to mutual agreement and satisfactory accomplishment of the common Objectives.
4. No Partnership: Nothing in this Agreement is to be construed to make party a partner, an agent or legal representative of the other for any purpose. Neither Party has any right or authority to accept any service of process or to receive any notices on behalf of the other Party or to enter into any commitments, undertakings, or agreements purporting to obligate such other Party in any way, or to amend, modify or vary any existing agreements to which such other Party may be a Party. Each Party will be solely responsible for compliance with any applicable laws, decrees, regulations or orders affecting the agents, representatives, advisors, employees or workers of such Party, and will hold the other Party harmless from any claims whatsoever arising in connection therewith.

That the MOU is open to modifications, amendments or changes as per the future mutual requirements between both the Parties. No amendment to this MOU shall be valid or binding unless set forth in writing and duly signed by the Parties.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE SET THEIR RESPECTIVE HANDS ON THE DAY, MONTH & YEAR FIRST ABOVE WRITTEN.

On Behalf of the First Party
Swami Rama Himalayan University

Dr. Mukesh Bijalwan
Registrar
Swami Rama Himalayan University (SRHU)
Dehradun

On Behalf of the Second Party
Himalayan Institute Hospital Trust (HIHT)

Dr. Vijendra D. Chauhan
Secretary
Himalayan Institute Hospital Trust (HIHT)
Dehradun

Witnesses:-

(1) Prateek Dhyani, Coordinator, Registrar Office, SRHU

(2) Manohar Singh, Accountant Manager, HIHT

ATTESTED (RAJENDER SINGH NEGI) Advocate & NOTARY

Evidence 2:

Name of Activity	**:**	Guest lecture by Green Pahadi Foundation (NGO)
Date	**:**	05-Aug-2024
Venue	**:**	Himalayan School of Biosciences (HSBS)
No of participants	**:**	39

Summary: The Himalayan School of Biosciences (HSBS) organized a session for its new batch of students on 5th August 2024. The event aimed to introduce students to the real-world applications of biosciences through entrepreneurship and sustainable development. Mr. Abhishek, a representative from the Green Pahadi Foundation, was invited to interact with the students. He delivered a motivating talk that focused on entrepreneurship opportunities in the field of sustainability. He also elaborated on the commendable work being done by the Green Pahadi Foundation (a non-profit organisation), particularly in empowering rural communities and promoting eco-friendly initiatives in Uttarakhand.





Students attended a session on entrepreneurship by Green Pahadi Foundation

Evidence 3:

Name of Program	**:**	Guest Lecture (Environmental awareness and Climate Change)
Date	**:**	17th September 2024
Convenor	**:**	Dr. Ganesh Kumar & Ms. Mathili
Guest Speaker	**:**	Mr. Chandi Prasad Bhatt
Event Organizer	**:**	HSPS & RDI
Venue	**:**	Himalayan School of Pharmaceutical Sciences
No. of Beneficiaries	**:**	80

Summary: On September 17th, 2024, the Himalayan School of Pharmaceutical Sciences, a constituent academic unit of Swami Rama Himalayan University, joined forces with the Rural Development Institute to host a significant interactive session for its students. This event was designed to foster awareness about environmental issues and promote active participation in addressing ecological challenges.

The distinguished guest speaker for the occasion was Mr. Chandi Prasad Bhatt, one of India's most respected environmentalists. His contributions to environmental conservation, particularly in the Himalayan region, have earned him numerous prestigious awards: 1982: Ramon Magsaysay Award for Community Leadership, recognizing his grassroots efforts to involve local communities in environmental protection, 2005: Padma Bhushan, awarded for his contributions to environmental sustainability and social work., 2013: Gandhi Peace Prize, presented by the President of India in 2014, acknowledging his commitment to peaceful activism and environmental stewardship, 2016: Sri Sathya Sai Award for Human Excellence in the Environment category, awarded by the Sri Sathya Sai Lok Seva Trust for his lifelong dedication to ecological preservation, 2017/2018: Indira Gandhi Award for National Integration, in recognition of his efforts to promote unity and environmental harmony in India. During the session, Mr. Bhatt focused on increasing the students' understanding of the urgent environmental challenges currently facing the world, particularly in the fragile ecosystems of the Himalayas. He explained how the Himalayan region, home to vital ecosystems and diverse communities, is experiencing profound environmental degradation due to factors such as deforestation, climate change, overexploitation of resources, and pollution.

He highlighted the importance of sustainable development practices, reforestation efforts, and the promotion of community-led initiatives that engage local populations in protecting their environment. He also addressed the critical need for collaboration between policymakers, scientists, and local communities to devise practical solutions for environmental protection. This session served as an eye-opener for students, reinforcing the message that preserving the environment is not just a global responsibility but a personal one. Mr. Bhatt's powerful words inspired students to reflect on their role in safeguarding the environment for future generations, particularly in the context of the fragile yet vital Himalayan ecosystem.





Guest lecture on Environmental awareness and climate change by Mr. Chandi Prasad Bhatt

Evidence 4:

Name of Program	**:**	Workshop on water conservation and Awareness programs in collaboration with RDI
Date	**:**	20 September 2024
Location	**:**	SRHU campus and beyond the campus (Village- Pasta, Tashila, Jaswawala and Rautu ki beli)
No. of Beneficiaries	**:**	200 students, School staff, and villagers
Supported by	**:**	WATSAN, RDI, Swami Rama Himalayan University (SRHU)
Role of University	**:**	Staff/ Faculty- 12

Activity detail:

1. **Workshop on Water Conservation to Commemorate India's 78th Independence Day.**

   A lecture and workshop on water conservation were organized for SRHU students and faculty to commemorate India's 78th Independence Day. The event aimed to highlight the importance of water conservation in achieving sustainable development and self-reliance, reflecting the spirit of independence. The lecture discussed the significance of water conservation, its impact on the environment, and simple yet effective ways to save water. The workshop that followed provided hands-on training on water conservation techniques and practices.

2. **Educating villagers of Pasta, Tashila, Moldhar, and Jaswawala Villages.**

   In Pasta, Tashila, Moldhar, and Jaswawala villages, the WATSAN team and RDI organized a range of activities to educate villagers on water conservation, sanitation, and hygiene.

   Key activities included:

- Plantation drives to promote environmental sustainability and climate adaptation
- Water quality testing to ensure safe drinking water
- Chlorination to disinfect water sources
- Sanitation surveys to assess and improve village sanitation
- Diarrhea prevention initiatives (Stop Diarrhea) to promote healthy practices





Evidence 5:

Name of Program : World Water Day

Date : 22-23 March 2025

Location : Himalayan School of Yoga Sciences (HSYS), Himalayan School of Bio Sciences (HSBS), Himalayan School of Science & Technology (HSST), Himalayan School of Management Studies (HSMS), Himalayan College of Nursing (HCN), Kokalyal and Tachela Villages, Tehri Garhwal, and Village & Primary School Thano.

No. of Beneficiaries : 529

S.N.	Location	No. of Beneficiaries
1	Himalayan School of Yoga Sciences (HSYS)	74
2	Himalayan School of Bio Sciences (HSBS)	73
3	Himalayan School of Science & Technology (HSST)	86
4	Himalayan School of Management Studies (HSMS)	94
5	Himalayan College of Nursing (HCN)	46
6	Kokalyal Villages Tehri Garhwal	43
7	Tachela Villages Tehri Garhwal	38
8	Gudiyawala village	35
9	Inter Collage Thano	40

Supported by : RDI, WATSAN- Swami Rama Himalayan University (SRHU)

Role of University : Staff/ Faculty- 12

Activity details:

1. Lecture on Water Conservation and Water Oath for SRHU Students

A lecture on water conservation was organized by WATSAN-SRHU, followed by the administration of a Water Oath to the students. The event aimed to raise awareness about the importance of water conservation and encourage the adoption of sustainable water management practices. During the lecture, experts highlighted the significance of water conservation, its environmental impact, and simple yet effective measures to reduce water wastage. The students actively participated in the discussion and gained valuable insights into responsible water use. The event concluded with the students taking a Water Oath, pledging to adopt water-saving practices and promote sustainability in their daily lives.

2. RDI exhibition area and rainwater harvesting site visit

As part of the World Water Day celebrations, students from SRHU visited the RDI exhibition area and rainwater harvesting site. The visit aimed to educate students about water conservation and sustainable water management practices. The RDI exhibition area showcased various water conservation techniques, innovations, and technologies, while the rainwater harvesting site demonstrated a practical approach to collecting and utilizing rainwater. The visit inspired students to adopt water-saving practices and promote sustainability in their communities.

3. World Water Day 2025 celebration in Kokalyal and Tachela Villages, Tehri Garhwal

The WATSAN team and RDI held awareness sessions in Tehri Garhwal to underscore the significance of traditional springs, addressing threats like deforestation and climate change, and promoting conservation through afforestation and watershed management. A community dialogue identified water scarcity, pollution from runoff and waste, and inadequate storage as key issues. Proposed solutions included rainwater harvesting, water-saving devices, greywater management with soak pits, and community-driven spring rejuvenation through tree planting and trenches. Villagers, including leaders and schoolchildren, took a pledge to use water wisely, protect water bodies, support conservation, and promote sustainable water use education.





Activities on environmental awareness and Climate adaptation

Evidence 6:

Name of Program	**:**	Activities on Swachchata Pakhwada
Date	**:**	23rd September, 2024
Location	**:**	Shrinagar, Pauri, Uttarakhand
No. of Beneficiaries	**:**	328 students/ Faculties of SRHU
Supported by	**:**	Swami Rama Himalayan University (SRHU)

Activity detail:

As part of the nationwide Swachchata Pakhwada initiative w.r.f. to UGC letter no. dated 11.09.2024, the Swachhata hi seva campaign was conducted from 23 September to 1 October 2024 in SRHU and nearby villages with the powerful theme of "Swabhav Swachhata—Sanskar Swachhata." The campaign was a prelude to the Swachh Bharat Diwas celebrated on 2nd Octobar, marking 10 years of the Swachh Bharat Mission. The objective was to promote awareness and involve students, faculty, and staff in maintaining a clean and hygienic environment.

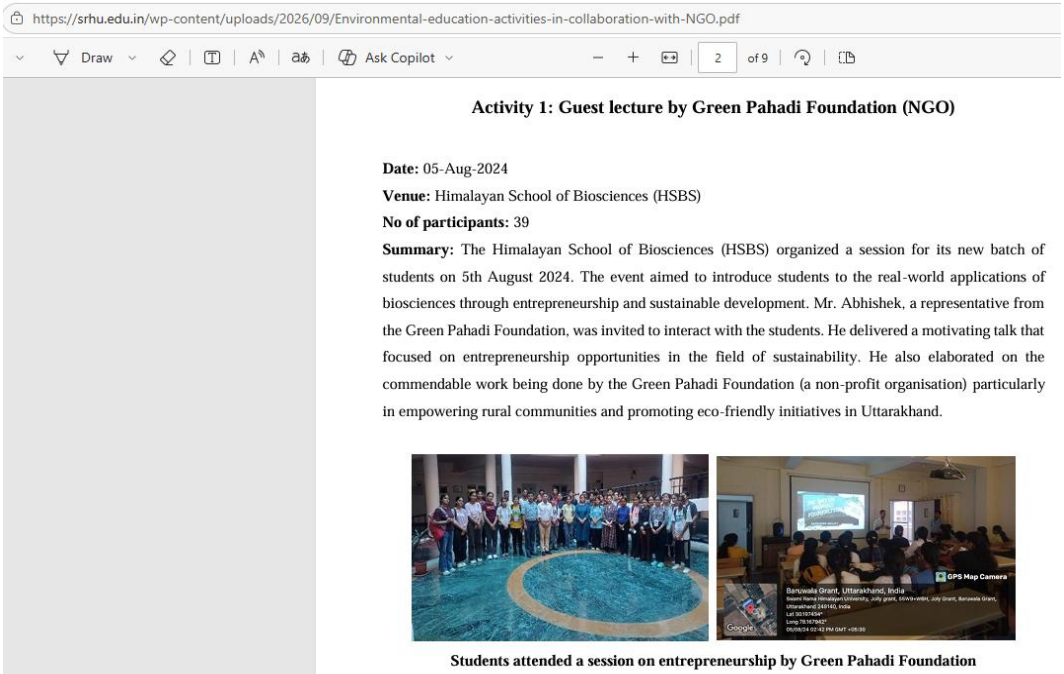
1. **Pledge on Swachchata (23 Sep 2024):** The university office and registrar office administered and Seven colleges (Yoga, Medical, Nursing, Bio Science, science & technology, Pharmacy and Management) the Swachchata pledge to all employees, reaffirming their commitment to cleanliness.
2. **Visit to STP, ETP, Recycled Wastepaper Plant & Plastic Bank (24 Sep 2024):** 150 students from five schools (Yoga, Medical, Nursing, Bio Science, and Management) visited these facilities in groups of 25, accompanied by two faculty members from each school.
3. **Nukkad Natak on Swachhta (25 Sep 2024):** Three groups of students performed street plays at different locations: Medical College (Main Hospital), Bio Science College (CRI Hospital), and Nursing College (near Anchal Dairy).
4. **Poster Presentation (26 Sep 2024):** Students from five schools participated in poster presentations on the theme "Swachchata Hi Sewa" at their respective colleges.
5. **Pledge and Walkathon (27 Sep 2024):** The Principal of HIMS, Prof. A. Devrari, and Professor & Advisor Er. H.P. Uniyal flagged off a walkathon participated in by students from five schools, following a pledge-taking ceremony.
6. **Plantation Caretaking Drive (28 Sep 2024):** Students from five schools, in association with the Gardening Department, undertook watering, weeding, and mulching activities.
7. **Cleanliness Drive in Nearby Villages (30 Sep 2024):** Students from the Medical College participated in a cleanliness drive and pledge-taking ceremony in the nearby village of Bhogpur.

8. **Swachhta Workshop and Expert Talk by Mr. Anoop Nautiyal (01 Oct 2024):** The program began with welcome of Hon. Vice Chancellor Dr. R. Dobhal as the chief guest and Mr. Anoop Nautiyal, Expert Speaker being greeted with a potted plant. Mr. Anoop Nautiyal, Founder of **SDC Foundation (NGO)**, Dehradun, delivered a talk on "Swachchata Hi Seva" in the Adi Kailash Auditorium, attended by 320 students and 100 HODs, faculty, and staff members.



Activities conducted during the Swachchata Pakhwada

Screenshot of evidence available on the University website



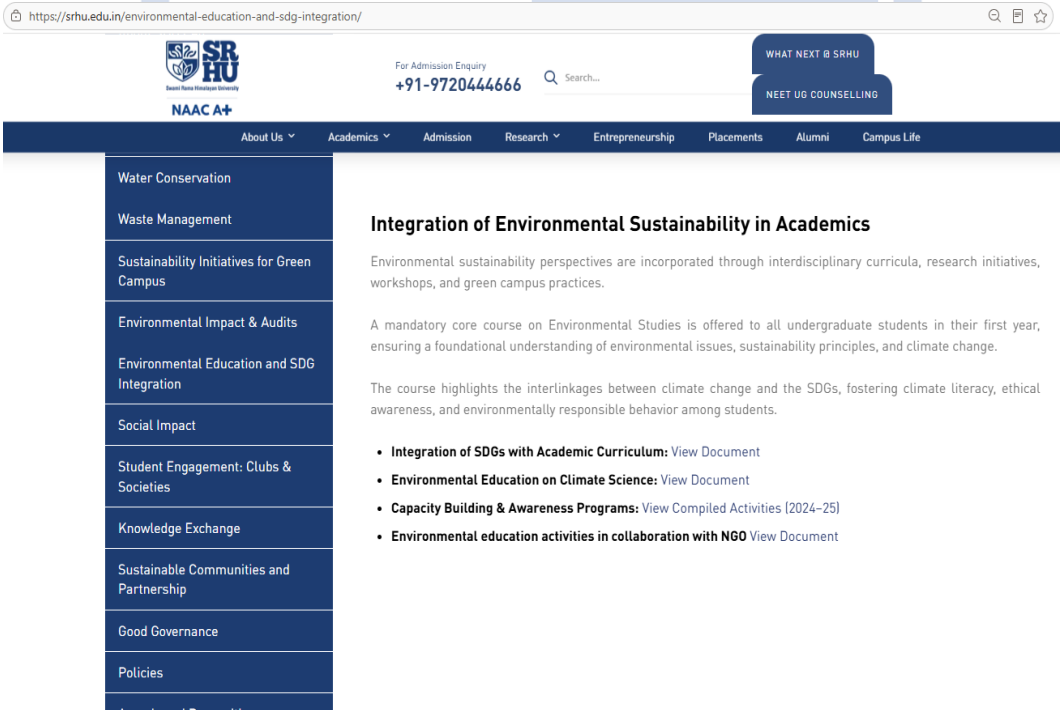
https://srhu.edu.in/wp-content/uploads/2026/09/Environmental-education-activities-in-collaboration-with-NGO.pdf

Draw | Ask Copilot | 2 of 9

Activity 1: Guest lecture by Green Pahadi Foundation (NGO)

Date: 05-Aug-2024
Venue: Himalayan School of Biosciences (HSBS)
No of participants: 39
Summary: The Himalayan School of Biosciences (HSBS) organized a session for its new batch of students on 5th August 2024. The event aimed to introduce students to the real-world applications of biosciences through entrepreneurship and sustainable development. Mr. Abhishek, a representative from the Green Pahadi Foundation, was invited to interact with the students. He delivered a motivating talk that focused on entrepreneurship opportunities in the field of sustainability. He also elaborated on the commendable work being done by the Green Pahadi Foundation (a non-profit organisation) particularly in empowering rural communities and promoting eco-friendly initiatives in Uttarakhand.

Students attended a session on entrepreneurship by Green Pahadi Foundation



https://srhu.edu.in/environmental-education-and-sdg-integration/

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- Environmental Impact & Audits
- Environmental Education and SDG Integration
- Social Impact
- Student Engagement: Clubs & Societies
- Knowledge Exchange
- Sustainable Communities and Partnership
- Good Governance
- Policies

Integration of Environmental Sustainability in Academics

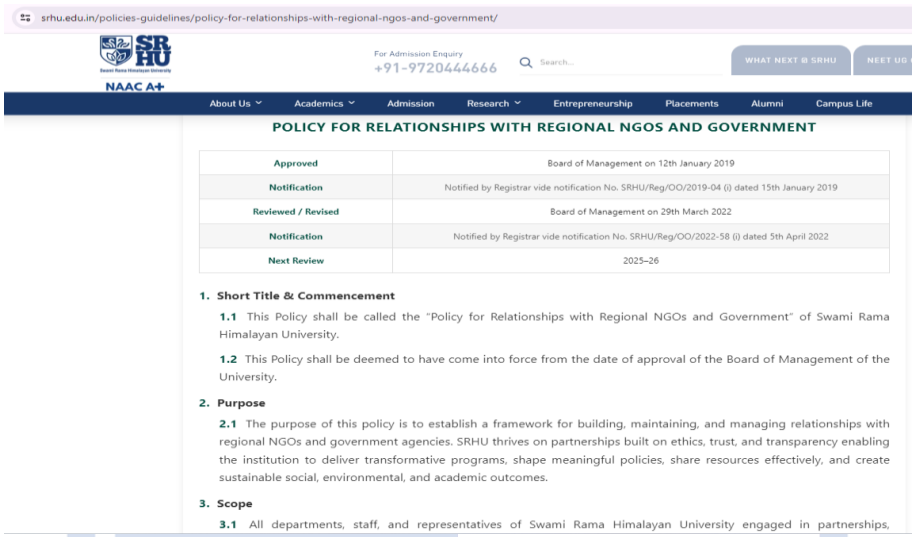
Environmental sustainability perspectives are incorporated through interdisciplinary curricula, research initiatives, workshops, and green campus practices.

A mandatory core course on Environmental Studies is offered to all undergraduate students in their first year, ensuring a foundational understanding of environmental issues, sustainability principles, and climate change.

The course highlights the interlinkages between climate change and the SDGs, fostering climate literacy, ethical awareness, and environmentally responsible behavior among students.

- **Integration of SDGs with Academic Curriculum:** View Document
- **Environmental Education on Climate Science:** View Document
- **Capacity Building & Awareness Programs:** View Compiled Activities (2024–25)
- **Environmental education activities in collaboration with NGO** View Document

Screenshot of Policy on Relationship with Regional NGOs and Government available on the University website



srhu.edu.in/policies-guidelines/policy-for-relationships-with-regional-ngos-and-government/

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POLICY FOR RELATIONSHIPS WITH REGIONAL NGOS AND GOVERNMENT

Approved	Board of Management on 12th January 2019
Notification	Notified by Registrar vide notification No. SRHU/Reg/OO/2019-04 (i) dated 15th January 2019
Reviewed / Revised	Board of Management on 29th March 2022
Notification	Notified by Registrar vide notification No. SRHU/Reg/OO/2022-58 (i) dated 5th April 2022
Next Review	2025–26

1. **Short Title & Commencement**
   - **1.1** This Policy shall be called the "Policy for Relationships with Regional NGOs and Government" of Swami Rama Himalayan University.
   - **1.2** This Policy shall be deemed to have come into force from the date of approval of the Board of Management of the University.
2. **Purpose**
   - **2.1** The purpose of this policy is to establish a framework for building, maintaining, and managing relationships with regional NGOs and government agencies. SRHU thrives on partnerships built on ethics, trust, and transparency enabling the institution to deliver transformative programs, shape meaningful policies, share resources effectively, and create sustainable social, environmental, and academic outcomes.
3. **Scope**
   - **3.1** All departments, staff, and representatives of Swami Rama Himalayan University engaged in partnerships,

13.4 Commitment to Carbon Neutral University

SRHU promotes the use of carbon-neutral solar energy, E-vehicles on the University campus, climate-smart practices, such as sustainable waste and water management, and green infrastructure development, to mitigate vulnerabilities. Research and academic programs are geared toward developing innovative solutions for climate adaptation, empowering students and communities with the knowledge and tools to thrive in a changing environment. Landscaping plays a crucial role in promoting a green and sustainable campus at the University. By incorporating native plants, eco-friendly designs, and sustainable practices, the University enhances its aesthetic appeal while supporting biodiversity and environmental conservation. Thoughtfully designed green spaces, including gardens, tree-lined pathways, and water features, help reduce the carbon footprint, improve air quality, and create a tranquil environment that supports learning and well-being. Furthermore, initiatives such as organic waste composting, rainwater harvesting systems, and the use of low-maintenance plants further reinforce the University's commitment to sustainability and ecological responsibility.

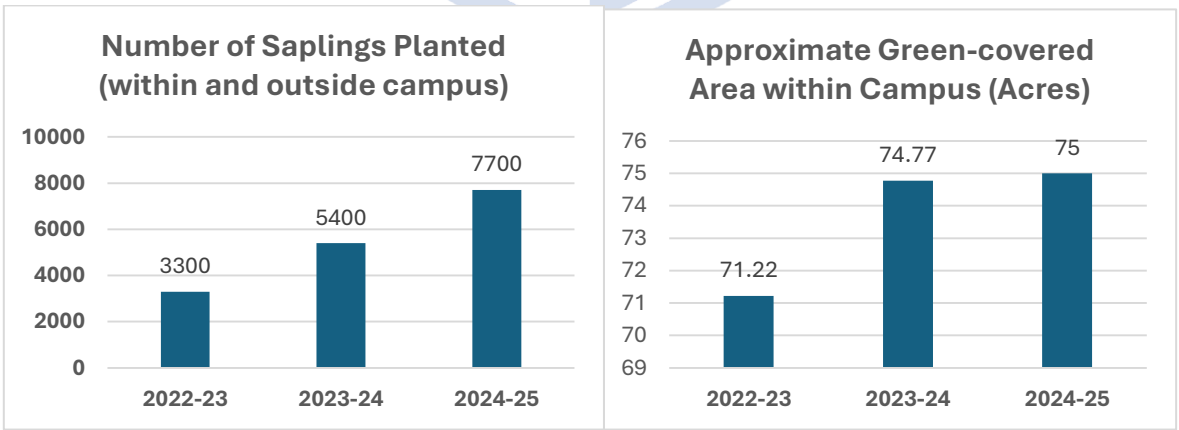


Fig. shows the number of saplings planted in the last three years and the green-covered area within the campus to reduce the carbon footprint.



Green campus @SRHU

One of SRHU's most significant environmental initiatives is its comprehensive tree plantation program, which plays a crucial role in climate action. Trees planted across the campus serve as natural air purifiers, absorbing harmful pollutants and releasing oxygen, thereby significantly improving air quality. Additionally, they provide shade, reduce ambient temperatures, and help mitigate the urban heat island effect, making the campus cooler and more comfortable, especially during warmer months.

The University has carefully selected a mix of indigenous and climate-resilient tree species that are well-suited to the local environment. This initiative not only enhances greenery and ecological balance on campus but also supports long-term climate resilience, contributing to a sustainable, healthier atmosphere for current and future generations.



Plantation drives for Green Campus under NSS and RDI

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.



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

13.4.1 Commitment to Carbon Neutral University

Swami Rama Himalayan University recognizes climate change as a critical global challenge and acknowledges the responsibility of higher educational institutions to lead by example. The Net Zero Framework 2050 serves as SRHU's official institutional roadmap to systematically reduce greenhouse gas (GHG) emissions and align institutional operations with global climate goals. The plan is based on comprehensive Carbon Footprint Assessments conducted for academic years 2023-24 and 2024-25 and is aligned with internationally accepted frameworks, including:

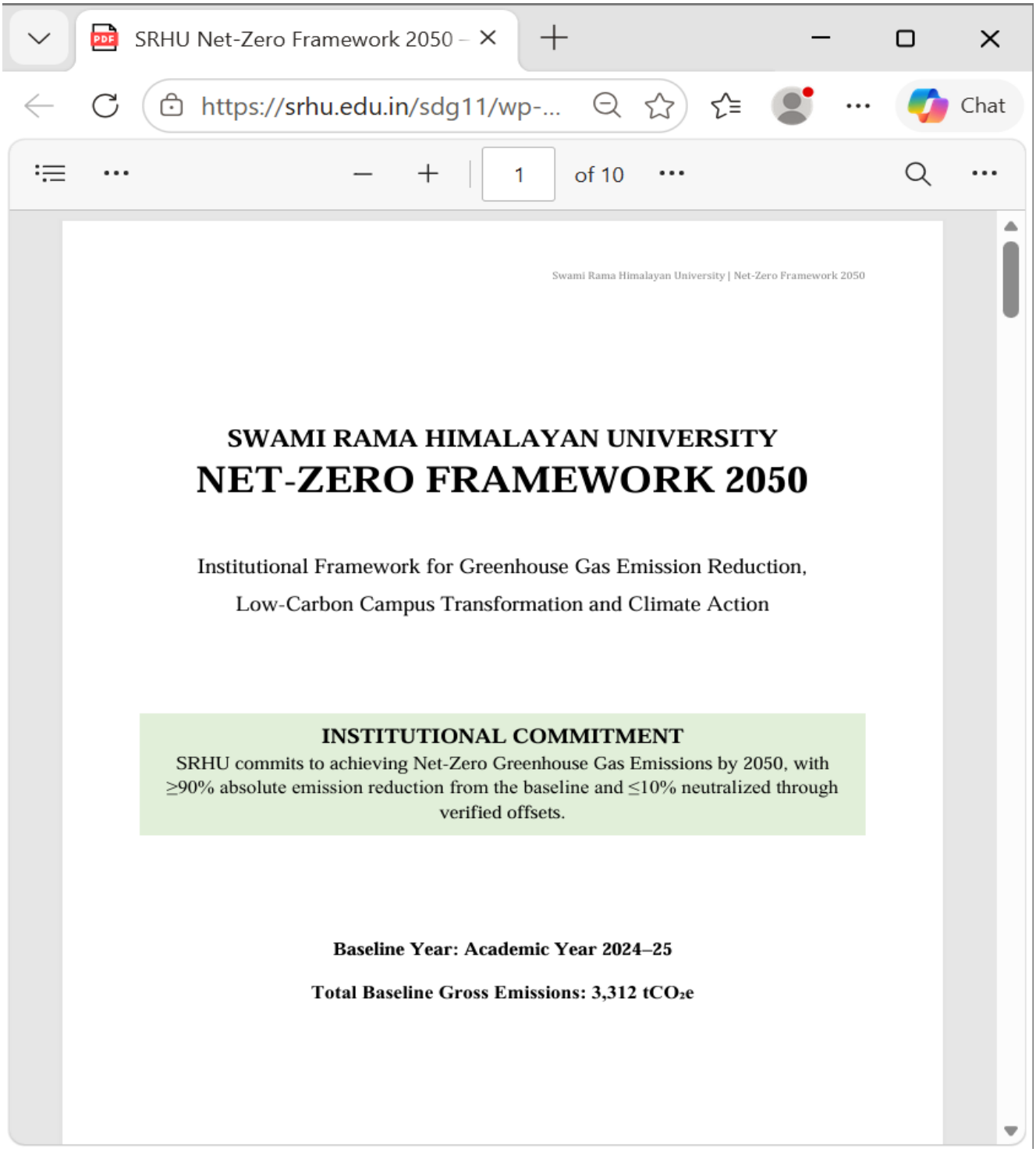
- GHG Protocol
- Paris Agreement (1.5ºC pathway)
- Global best practices for net-zero campuses

Particulars	Status	Details
Existence of target	**Yes**	Since 2024: Net Zero Framework 2050
Evidence provided	**Yes**	• Screenshot of evidence: 'Net Zero Framework 2050' available on the University website • Screenshot of Targets: Scopes 1, 2 & 3 to achieve Carbon Neutrality by SRHU • Carbon Footprint certificate (2024-25) • Total carbon footprint and total sequestration/Offset by SRHU campus (2024-25) • Snapshot of Green Audit Report (2024-25) for the University
Is the evidence provided public	**Yes**	srhu.edu.in/sdg11/wp-content/uploads/2026/03/SRHU-Net-Zero-Action-Plan-2050-Final.pdf
Scopes covered	**Yes**	Scope 1, 2 and 3

Evidences

Evidence 1:

Screenshot of 'Net Zero Framework 2050' available on the University website



Evidence 2:

Screenshot of Targets: Scopes 1, 2 & 3 to achieve Carbon Neutrality by SRHU

dg11/wp-content/uploads/2026/03/SRHU-Net-Zero-Action-Plan-2050-Final.pdf

Ask Copilot | 3 of 4

5. Scope-Wise Mitigation Strategy

5.1 Scope 1 — Direct Emissions

Target: Zero Scope 1 emissions by 2040

Key Actions

- Phase out diesel generators through solar, battery storage, and hybrid systems
- Electrify university vehicle fleet
- Transition to low-GWP refrigerants

Expected Outcome: Complete elimination of fossil fuels under institutional control.

5.2 Scope 2 — Purchased Electricity

Target: Zero Scope 2 emissions by 2030

Key Actions

- Expand on-campus solar generation
- Implement smart energy management

Expected Outcome: Sustained 100% renewable electricity supply.

5.3 Scope 3 — Indirect Emissions

Target: ≤ 300 tCO_2e by 2050

Key Focus Areas

- Sustainable mobility policies
- Green procurement standards
- Zero-waste campus initiatives
- Reduced carbon intensity of food and materials

Expected Outcome: 85–90% reduction through systemic interventions.

6. Carbon Offsets and Sequestration

Offsets will be used only as a last resort and shall not exceed 10% of total emissions in 2050.

Evidence 3:

Carbon Footprint certificate (2024-25)



ECOSCIENCE CONSULTANCY

CARBON FOOTPRINT CERTIFICATE

This is to certified that

Swami Rama Himalayan University

located at Swami Ram Nagar, Doiwala, Dehradun, Uttarakhand

has successfully conducted a Carbon Footprint Assessment for the year 2024–25, in accordance with standard methodologies.

The institution has demonstrated its commitment towards sustainability and environmental responsibility.

Scope of GHG Emissions	t CO_2e	Percentage
Direct emissions to air	921.32	27.8
Indirect emissions from purchased energy	9.21	0.3
Other indirect emissions	2,381.74	71.9
Total t CO2e		**3,312.33**

DR. GURPREET SINGH
LEAD AUDITOR

18.08.2025
DATE

Evidence 4:

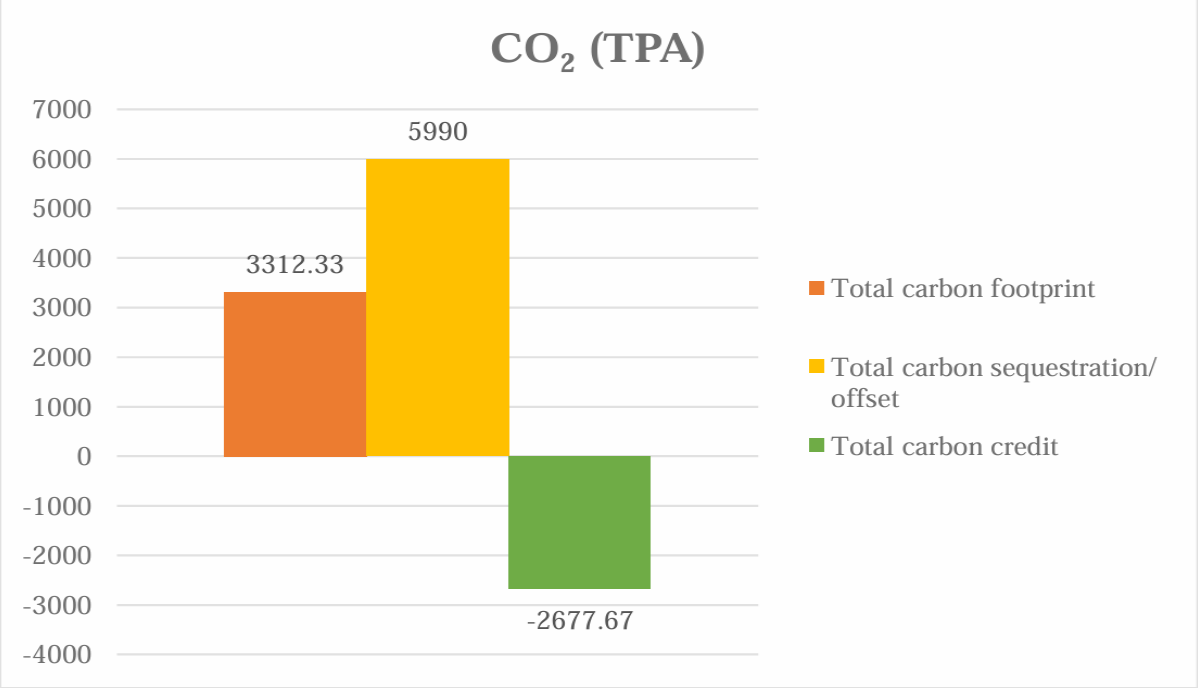
Total carbon footprint and total sequestration/Offset by SRHU campus (2024-25)

Total Carbon Sequestration / Offset

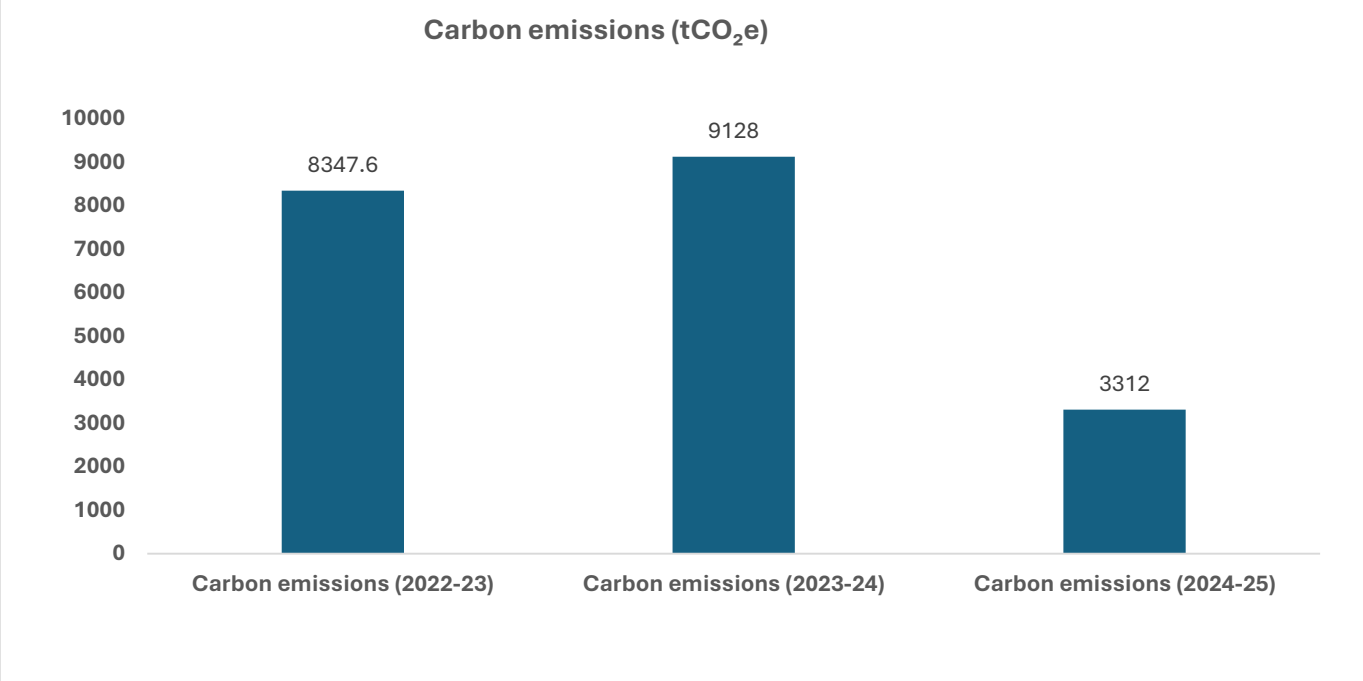
Total Carbon Sequestration / Offset	
Carbon Sequestration / Offset by Trees Plantation (CO_2 Kg/ Annum)	1,50,000
Carbon Sequestration / Offset by Solar Power (CO_2 Kg/ Annum)	58,40,000
Total Carbon Sequestration / Offset (CO_2 Kg/ Annum)	**59,90,000**
Total Carbon Sequestration / Offset (CO_2 Tons/ Annum)	**5,990**

Carbon Credit of SRHU Campus (Carbon emission report 2024-25)

Particulars	Values (Tons CO_2/ Year)
Carbon Footprint	3,312.33
Carbon Sequestration/ Offset	5,990
Carbon Credit	2,677.67



Comparison of carbon emissions of the last three years



Emissions and Scope

- **Baseline Year:** Academic Year 2024-25

Emission Profile of the University

Emission Profile	Emissions (tCO_2e)
Scope 1 (Direct)	921
Scope 2 (Electricity)	9
Scope 3 (Indirect)	2,382
Total Carbon footprint	3312

The carbon footprint assessment for SRHU University for the academic year 2024-25 reveals a total emission of 3,312.33 tons of CO_2, encompassing Scope-1, Scope-2, and Scope-3 emissions. While there was a decrease in total emissions compared to the 2023-24 academic year (9127.8 tons CO_2/year), this was primarily due to the scale-down of operational activities and associated indirect emissions under Scope-3. Despite the decrease, the university successfully sequestered/offset 5,990 tons of CO_2, resulting in a net carbon credit of about 2,677.67 tons of CO_2. The sequestration efforts demonstrate SRHU's commitment to sustainable practices, particularly through initiatives like afforestation and renewable energy integration. However, the rising Scope-3 emissions underscore the need for enhanced measures targeting indirect emissions related to transportation, waste management, and water supply.

Evidence 6:

Snapshot of Green Audit Report (2024-25) for the University



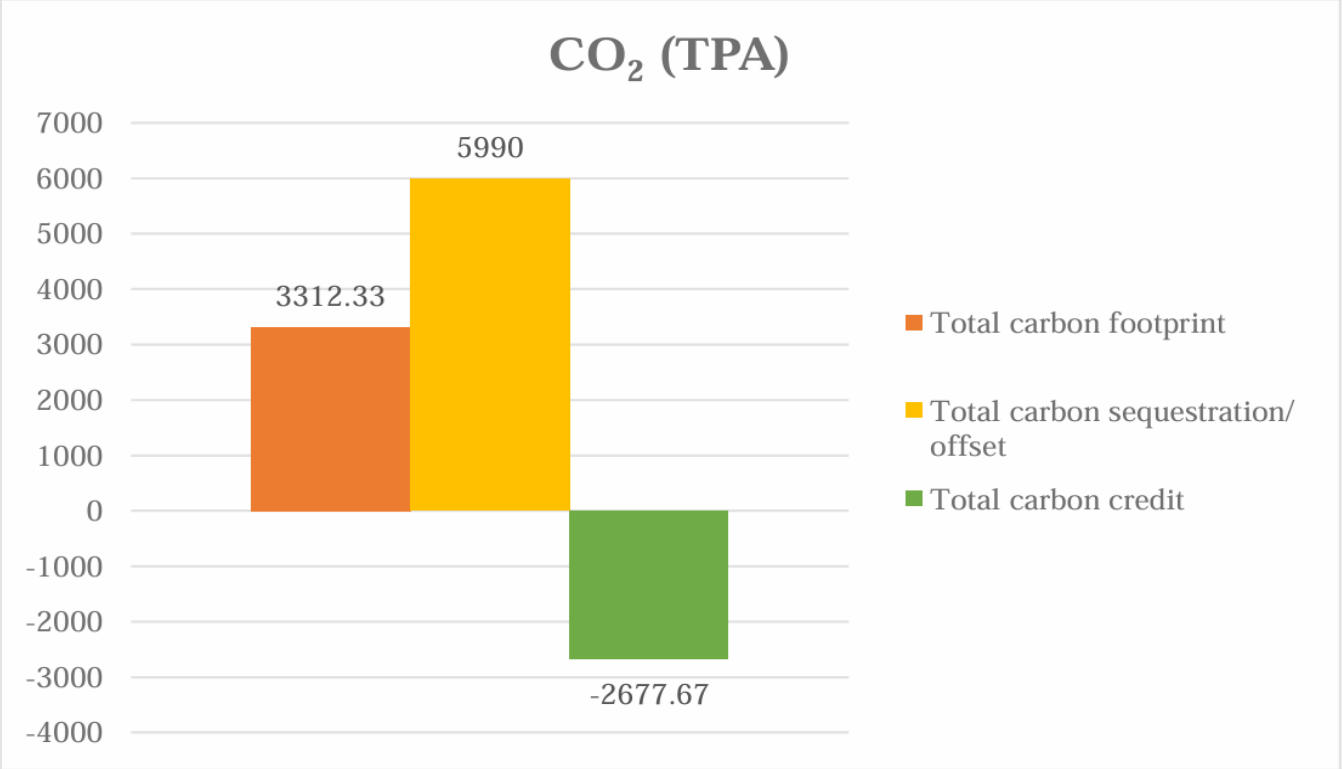
13.4.2 Indicator: Achieved by date

Based on the verified results of the 2024 audit, SRHU has already achieved a carbon-positive status, meaning its offsets exceed its total greenhouse gas emissions. Therefore, SRHU can officially declare that it has achieved carbon neutrality in 2024. For policy continuity and strategic enhancement, Ecoscience Consultancy recommends the following framework to maintain and strengthen carbon neutrality until 2029 and beyond.

To sustain and enhance SRHU's carbon-neutral status through continuous reduction of GHG emissions and expansion of offset mechanisms. SRHU, in alignment with India's Nationally Determined Contributions (NDCs) under the Paris Agreement and the United Nations Sustainable Development Goals (SDG 13), hereby declares its commitment to sustain its carbon-neutral status from the year 2024 onwards, with continued improvement in emission reductions and climate-positive practices.

Target Year for Carbon Neutrality: 2024 (Achieved)

Evidence



News clips:

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www.garhwalpost.in | Vol. XIX No. 16 DEHRADUN | Wednesday 17 July, 2024 | Pages 16 | Price ₹ 2

Harela connects younger generation with their roots: Dr Vijay Dhasmana

By OUR STAFF REPORTER

DEHRADUN, 16 Jul: On the occasion of the folk festival, Harela, Swami Rama Himalayan University (SRHU), Jolly Grant, launched a 'Go Green Campus' campaign. During this event, various species of fruit-bearing trees including Jamun, Amla, Harad, Arjun, and Beheda, as well as flowering plants, were planted.

On Tuesday, a plantation drive was conducted on the SRHU campus. In his message, Dr Vijay Dhasmana, the president of the university, stated that the Harela festival symbolises nature worship and environmental conservation. He emphasised that the survival of humankind depends on the safety of the environment.

President Dhasmana mentioned that the Harela festival also connects the younger generations with their roots. As the youth increasingly forget old festivals, Harela helps reconnect them with their heritage. Celebrating such festivals periodically helps the youth understand the importance of their culture and traditions.

The plantation drive was inaugurated by Vice-Chancellor Dr Rajendra Dobhal. He urged all members of the university family to consider environmental conservation and cleanliness as their primary duty and to raise awareness about these issues.



On this occasion, Registrar Dr Mukesh Bijalwan, Director (Health Services) of Himalayan Hospital Dr Hemchandra Pandey, Dr SL Jethani, HP Uniyal, Dr Anuradha Kusum, Dr DC Dhasmana, Rupesh Mehrotra, Principal Dr Mohit Verma, Dr Pramod Kumar, Dr Ganesh Bhatt, and others were also present.

हिन्दुस्तान
भरोसा नए हिन्दुस्तान का

मुहिम:पौधरोपण कर लिया पर्यावरण संरक्षण का संकल्प

ऋषिकेश, संवाददाता। घाट सामाजिक संगठन की ओर से शुक्रवार को पौधरोपण एवं जनजागरूकता कार्यक्रम आयोजित किया गया। इस दौरान छात्र-छात्राओं ने पौधरोपण कर पर्यावरण संरक्षण का संकल्प लिया।

आदर्श राजकीय प्राथमिक विद्यालय लक्कड़ घाट में आयोजित कार्यक्रम में मुख्य अतिथि जिला गंगा सुरक्षा समिति के नामित सदस्य विनोद जुगलान ने कहा कि आज के समय में पर्यावरण संरक्षण जरूरी है। हमारे पूर्वजों ने अपने पारम्परिक ज्ञान, अपनी संस्कृति और मानव व्यवहार के साथ जोड़ा हुआ था, जिसका पालन करते हुए हम सुरक्षित थे। किसी भी शुभ कार्य से पूर्व जल कलश, पूजन घट, स्थापन्न प्रकृति एवं देवों के आवाहन की परम्परा स्थापित की गई थी। हमें संस्कृति और प्रकृति का संरक्षण करना है, तो पेड़ लगाने होंगे और पानी को बचाना होगा। प्लास्टिक को हटाना भी होगा।

एसआरएचयू में रोपे पौधे

डोईवाला। स्वामी राम हिमालयन विश्वविद्यालय जौलीग्रांट में 78वां स्वतंत्रता दिवस धूमधाम से मनाया गया। अध्यक्ष डॉ. विजय धस्माना ने ध्वजारोहण किया। उन्होंने कैंपस में मौजूद शौर्य दीवार पर वीर व शहीद सैनिकों के चित्रों पर पुष्पांजलि अर्पित की। इस दौरान विश्वविद्यालय प्रांगण में पौधरोपण भी किया गया। मौके पर कुलपति डॉ.राजेंद्र डोभाल, डॉ.विजेंद्र चौहान, डॉ.रेनू धस्माना, डॉ.प्रकाश केशवया, डॉ.सुनील सैनी, डॉ.मुकेश बिजल्वाण, डॉ.अशोक देवराड़ी, डॉ.हेमचंद्र पांडे आदि मौजूद रहे।



जौलीग्रांट स्थित एसआरएचयू परिसर में स्वतंत्रता दिवस के मौके पर पौधरोपण करते विवि के अध्यक्ष डॉ. विजय धस्माना और अन्य। ● हिन्दुस्तान

हिन्दुस्तान
भरोसा नए हिन्दुस्तान का

सौर ऊर्जा | एसआरएचयू के अध्यक्ष डॉ. विजय धस्माना ने कहा, संस्थान में सोलह फौसदी बिजली की जरूरत सौर ऊर्जा से कर रहे पूरा

एसआरएचयू में नया रूफ टॉप सोलर प्लांट स्थापित

डोईवाला, संवाददाता।

एसआरएचयू ने ऊर्जा संरक्षण के क्षेत्र में एक और मिसाल स्थापित की है। विश्वविद्यालय में एक हजार किलोवॉट रूफ टॉप सोलर प्लांट स्थापित किया गया है। अध्यक्ष डॉ. विजय धस्माना ने शुक्रवार को इसका औपचारिक उद्घाटन किया। अब विधि में स्थापित रूफ टॉप सोलर प्लांट की क्षमता बढ़कर 2500 किलोवॉट हो गई है।

एसआरएचयू के अध्यक्ष डॉ. विजय धस्माना ने कहा कि बिजली की खपत को कम करने के लिए सौर ऊर्जा सबसे बेहतरीन विकल्प है। सूर्य हमेशा से ऊर्जा का सबसे भरोसेमंद स्रोत रहा है। सौर ऊर्जा के महत्व को हम समझते हैं। इसके लिए संस्थान में विशेषज्ञों की एक समिति बनाई गई है। हिमालयन हॉस्पिटल, कैंसर रिसर्च इंस्टीट्यूट सहित सभी हॉस्टल में सोलर वाटर हीटर पैनल लगाए गए थे। हिमालयी राज्यों में रूफ टॉप सौर ऊर्जा उत्पादन के लिए सरकार की ओर से प्रदान की जा रही 70 फीसदी सब्सिडी को देखते हुए, सोलर पैनल लगाने का फैसला लिया। नर्सिंग और मेडिकल कॉलेज में 500 किलोवॉट रूफ टॉप सोलर पैनल लगाए। पहाड़ के दूरस्थ गांवों में पानी पहुंचाने के लिए किया है। चंबा के घुरेड़ापार में सोलर पंपिंग प्लांट के जरिये पानी पहुंचाया।

करीब 5660 टन कार्बन उत्सर्जन की कमी

एसआरएचयू के अध्यक्ष डॉ. विजय धस्माना ने कहा कि स्नातक डिग्री के छात्रों दिखने लगे हैं। इसका बड़ा कारण है कार्बन उत्सर्जन। एसआरएचयू में 2500 किलोवॉट रूफ टॉप सोलर पैनल की मदद से 5660 टन कार्बन उत्सर्जन में कमी आई है। उत्तराखंड के किसी भी संस्थान की तुलना में यह एक रिकॉर्ड है।

सीआईआई से मिला 'ग्रीन प्रैक्टिसेस अवॉर्ड

एसआरएचयू के अध्यक्ष डॉ.विजय धस्माना ने बताया कि संस्थान की इन तमाम उपलब्धियों के लिए हाल ही में भारतीय उद्योग परिसंघ (सीआईआई) ने विश्वविद्यालय को 'ग्रीन प्रैक्टिसेस अवॉर्ड' की सर्विस डेटेगरी में 'गोल्ड अवॉर्ड' से सम्मानित किया। इस कैटेगरी में इतर भारत का पहला और एकमात्र संस्थान होने का गौरव भी हासिल किया है।



एसआरएचयू जौलीग्रांट में शुक्रवार को सोलर प्लांट का उद्घाटन करते अध्यक्ष डॉ. विजय धस्माना और अन्य। ● हिन्दुस्तान

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पेज-14

पर्यावरण संरक्षण में छात्रों की भूमिका महत्वपूर्ण: भट्ट

■ पर्यावरण संरक्षण और पारिस्थितिक चुनौतियों से निपटने में छात्र-छात्राओं की सक्रिय भूमिका पर व्याख्यान

ऋषिकेश (एसएनबी)। स्वामी राम हिमालयन विश्वविद्यालय (एसआरएचयू) जौलीग्रांट में पर्यावरण संरक्षण और पारिस्थितिक चुनौतियों से निपटने में छात्र-छात्राओं की सक्रिय भूमिका पर अतिथि व्याख्यान का आयोजन किया गया।

एसआरएचयू हिमालयन स्कूल ऑफ फार्मास्यूटिकल साइंसेज (एचएसपीएस) व ड्राग्य विकास संस्थान जौलीग्रांट के संयुक्त तत्वावधान में अतिथि व्याख्यान का आयोजन किया गया। मुख्य वक्ता पद्म भूषण व विख्यात पर्यावरणविद् चंडी प्रसाद भट्ट ने वर्चुअल में विश्व के सामने आने वाली पर्यावरणीय चुनौतियों, विशेष रूप से हिमालय के नाजुक पारिस्थितिकी तंत्र में छात्रों की समझ बढ़ाने पर ध्यान केंद्रित किया। उन्होंने बताया कि कैसे महत्वपूर्ण पारिस्थितिक तंत्र और विविध समुदायों का घर हिमालय का क्षेत्र, वनों की कटाई, जलवायु परिवर्तन, प्राकृतिक संसाधनों के अत्यधिक दोहन और प्रदूषण के कारण गहन पर्यावरणीय गिरावट का अनुभव कर रहा है। उन्होंने हिमालयी पारिस्थितिकी तंत्र की संरक्षित करने के उद्देश्य से चल रही पहलों पर प्रकाश डालते हुए पर्यावरण संरक्षण में स्वयं किये गये कार्यों के बारे में बताया।

उन्होंने पर्यावरण संरक्षण की दिशा में व्यावहारिक समाधान तैयार करने के लिए नीति निर्माताओं, वैज्ञानिकों और स्थानीय समुदायों के बीच सहयोग की आवश्यकता पर जोर दिया। साथ युवाओं के बीच जिम्मेदारी की भावना को बढ़ावा देने में शिक्षा और जागरूकता की भूमिका पर जोर दिया। उन्होंने पर्यावरण संरक्षण के लिए छात्रों को सक्रिय भागीदार बनने के लिए प्रोत्साहित किया। इससे पूर्व एचएसपीएस के प्राचार्य डॉ. गणेश कुमार ने पद्म भूषण चंडी प्रसाद भट्ट को स्मृति चिन्ह देकर सम्मानित किया। इस अवसर संयोजक श्री. वैभवी सहित शिक्षक व छात्र-छात्राएं उपस्थित रहे।



चंडी प्रसाद को स्मृति चिह्न देते विद्यालय के अधिकारी।



हिन्दुस्तान

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भरोसा नए हिन्दुस्तान का

बुधवार
23 अप्रैल 2025, देहरादून

भ्रमण | नेपाल से नगर पालिका अध्यक्षों का दल एसआरएचयू पहुंचा, डॉ. विजय धस्माना ने जल संकट से निपटने के बारे में दी जानकारी

नेपाल के पालिकाध्यक्षों ने जल प्रबंधन के गुर सीखे

जौलीग्रांट स्थित स्वामी राम हिमालयन विश्वविद्यालय में मंगलवार को भ्रमण करते नेपाल से आए नगर पालिकाध्यक्ष और अन्य। ● हिन्दुस्तान

डोईवाला, संवाददाता। नेपाल की 10 नगर पालिका के अध्यक्षों के दल ने मंगलवार को स्वामी राम हिमालयन विश्वविद्यालय का भ्रमण किया। यहां उन्होंने भारत में स्प्रिंगशेड प्रबंधन की दिशा में हो रहे कार्यों को जाना। अंतर्राष्ट्रीय एकीकृत पर्वतीय विकास केंद्र (आईसीआईमोड) के नेतृत्व में नेपाल की दस नगर पालिका के अध्यक्षों का दल एसआरएचयू पहुंचा। एसआरएचयू के अध्यक्ष डॉ. विजय धस्माना ने कहा कि नेपाल और उत्तराखंड की भौगोलिक संरचना समान है। हिमालय रेंज में होने के कारण लोगों को प्राकृतिक आपदा, भूस्खलन आदि की समस्याओं का सामना करना पड़ता है। उन्होंने कहा कि हम एक दूसरे से बहुत कुछ सीख सकते हैं। उन्होंने कहा कि हमारे सामने जल संकट सहित कई चुनौतियां हैं। जल के बिना जीवन की कल्पना नहीं की जा सकती है। संस्थान बीस वर्षों से पेयजल एवं स्वच्छता के क्षेत्र में कार्य कर रहा है। जिसमें संस्था की ओर से 600 से ज्यादा गांवों में स्वच्छ जल पहुंचाया गया है। इसके अलावा हिमालय से गंगासागर तक अभी तक 31 राज्य एवं केन्द्र शासित प्रदेशों में पानी के संरक्षण, संवर्धन एवं कौशल विकास पर कार्य किया जा रहा है। महानिदेशक शैक्षणिक विकास डॉ. विजेंद्र चौहान ने संस्थापक स्वामी राम और उनके सामाजिक विकास कार्यों पर प्रकाश जानकारी दी। कुलपति डॉ. राजेन्द्र डोभाल ने नेपाल से आये प्रतिनिधिमंडल का धन्यवाद ज्ञापित किया। देहरादून के मेयर सौरभ थपलियाल ने नेपाल से आये पालिका ध्यक्षों के दल को देहरादून नगर निगम के कार्यों के विषय में विस्तार से जानकारी दी।



The Pioneer

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Mayors from Nepal exchange inputs on springshed management with SRHU

PIONEER NEWS SERVICE ■ Dehradun

Under the aegis of the International Centre for Integrated Mountain Development (ICIMOD), a delegation of mayors from ten municipalities of Nepal visited Swami Rama Himalayan University (SRHU) Jolly Grant to learn about the initiatives being undertaken in India for springshed management. As part of this exchange programme, the mayors also shared the work being carried out in Nepal in this field.

Addressing the gathering, the president, SRHU, Vijay Dhasmana said that the geographical features of Nepal and Uttarakhand are quite similar. "Being parts of the Himalayan region, both areas face common challenges such as natural disasters and landslides. So, we have to learn a lot from each other," he said, adding that both countries should share their experiences of springshed management works being done in respective countries for mutual benefit. While expressing concern over water scarcity, he said that SRHU has been working in the fields of drinking water and sanitation for the past 20 years, reaching over 600 villages with clean drinking water. "In addition, from the Himalayas to Ganga Sagar, the university is currently working across 31 states and Union Territories in the fields of water conservation, enhancement and skill development.

The vice- chancellor, SRHU, Rajendra Dobhal also addressed the delegation from Nepal.

During the technical session, the advisor at SRHU, H P Uniyal presented insights into springshed work being done in the Indian Himalayan region.

The delegation was also taken on a field visit to view the rainwater harvesting model established at SRHU, showcasing the technology used for year-round rainwater collection. Information was also shared about the university's sewage treatment plant.

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