United Nations

SRHU
Swami Rama Himalayan University

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ANNUAL PROGRESS REPORT

2024-2025



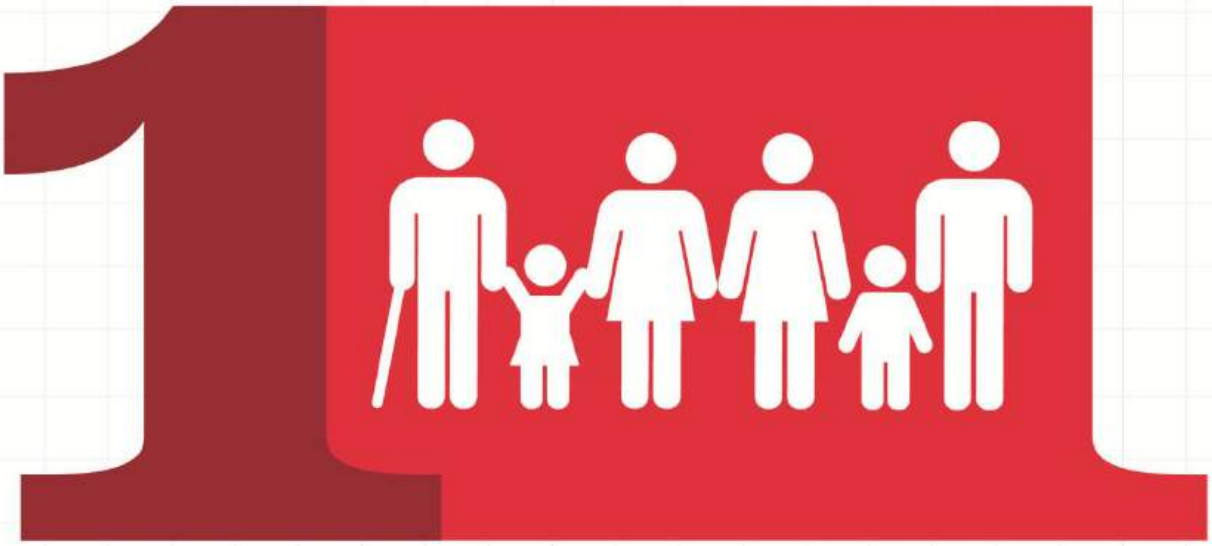
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Swami Rama Himalayan University

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SUSTAINABLE DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS



NO POVERTY

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Aligned with the United Nations Sustainable Development Goal 1 (No Poverty), SRHU has undertaken a multi-pronged strategy combining community development programs, vocational education, women empowerment, youth skill training, and sustainable livelihood models.

Through interventions in agriculture, tailoring, recycling, handloom, and integrated skill development, SRHU has positively impacted hundreds of households in Uttarakhand's Garhwal region, while its academic arm, the Himalayan School of Vocational Studies and Skill Development (HSVSSD), provides employment pathways to youth from marginalized communities.

1. Institutional Commitment to Poverty Alleviation

1.1 University Philosophy

SRHU is rooted in the vision of Swami Rama, emphasizing service to society through education, healthcare, and sustainable livelihoods. Poverty reduction forms a core component of its outreach through the Rural Development Institute (RDI) and vocational education initiatives.

1.2 Strategic Pillars for SDG 1

1. **Livelihood Security** – Agriculture, tailoring, handloom, and waste management initiatives.
2. **Skill Development & Education** – Degree, diploma, and certification courses aligned with NSDC and industry partners.
3. **Women & Youth Empowerment** – Special focus on self-reliance, entrepreneurship, and local job creation.
4. **Sustainability** – Reuse, recycling, and preservation of traditional crafts.
5. **Community Partnerships** – Collaboration with Panchayati Raj Institutions (PRI), local SHGs, and state/national agencies.

2. Community Development Initiatives (Grassroots Impact)

2.1 Comprehensive Community Development Program (CCDP)

- Launched: 2019 in Toli region, Pauri Garhwal; expanded in 2024 to Malethi.
- Focus: Inclusive, demand-driven, and women-led development.
- Achievements:
    - 20.35 quintals of crops harvested (turmeric, garlic, chilli, ginger, ragi, jhangora).
    - The buy-back model ensured fair and timely payments.
    - Value Addition Centers → better processing, branding, and marketing.

- 4.374 acres of barren land reclaimed and brought under cultivation.
- Youth retention in agriculture through modern tools and reduced labor intensity.



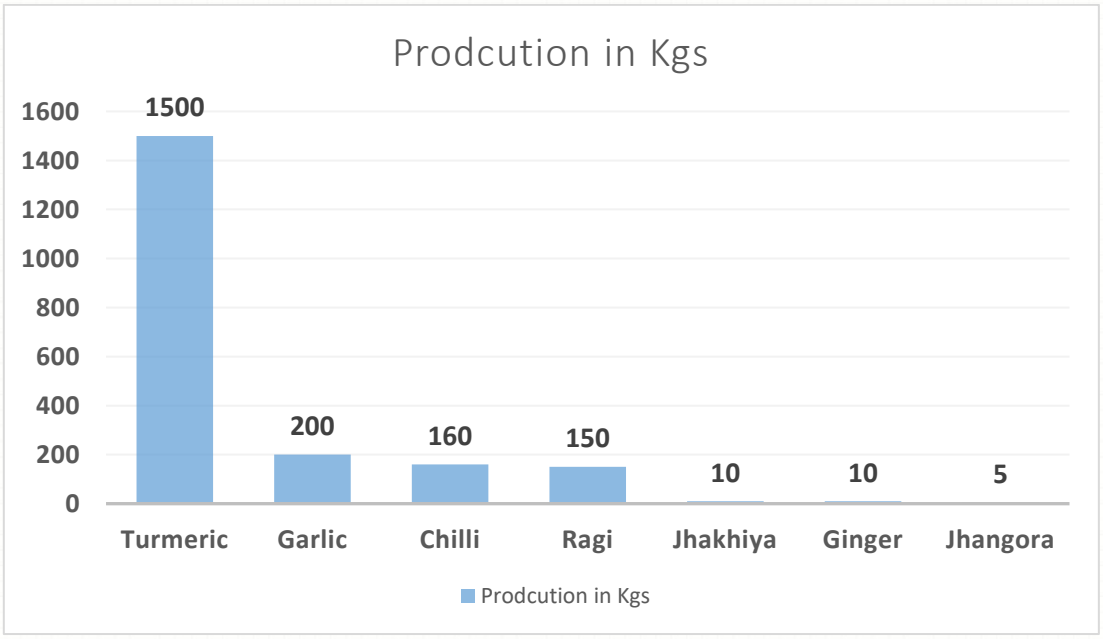


Integrated value chain: from farm to packaging – ensuring fair prices, market access, and improved livelihoods for rural farmers





Integrated value chain: from farm to packaging – ensuring fair prices, market access, and improved livelihoods for rural farmers



Production of Cash Crops in 2024 (kgs) – Turmeric, Garlic, Chilli, Ragi, Jakhiya, Ginger, and Jhangora cultivated under SRHU's Comprehensive Community Development Program

2.2 Agricultural Diversification

- Traditional Millets (jhangora, manduwa, jakhiya) revived → climate-resilient & nutritious.
- Pilot Apple Orchard (150 saplings) planted in Malethi; future model for fruit-based livelihood diversification.



Apple cultivation initiative leveraging the temperate climate of Garhwal – a model for sustainable horticulture and income generation

2.3 Tailoring & Handicraft Units

- Stitching for hospital linen, uniforms, yoga kits, convocation stoles.
- Nagthat Center & Athoorwala Gujjar Basti: 15+ women trained in tailoring/weaving.
- Community outreach: food & clothing distribution in urban bastis.
- Products showcased in SRHU exhibitions – building local enterprise models.





Empowering rural women through tailoring training at SRHU's community centres – fostering self-reliance and livelihood opportunities

2.4 Waste Paper Recycling Unit

- Established: 2019 → campus sustainability & jobs.
- Production (2024): 7,242 recycled sheets, 1,003 diaries, 1,500 envelopes.
- Promotes circular economy and reduces campus carbon footprint.



Integrating sustainability with livelihood – paper recycling as a model for environmental stewardship and job creation



2.5 Handloom Unit

- Produces eco-friendly stoles, mufflers, and waistcoats.
- Output: 300 meters cloth, 40 stoles, 60 mufflers annually.
- Community training: 3 rural women skilled in weaving → local entrepreneurship.
- Revives cultural craftsmanship alongside poverty reduction.



Empowering rural communities through handloom training – reviving heritage weaving techniques with modern applications



SRHU's Handloom Unit – preserving traditional craftsmanship while creating sustainable livelihood opportunities

2.6 Integrated Skill Development (Rural Youth)

- Launched: 2024.
- Courses Offered:
  - Office Assistant cum Computer Operator (450 hours, 3 months).
  - Electrician cum Plumber (290 hrs classroom + 180 hrs on-job, 90 days).
- Impact: 82 youth trained → immediate employability in Uttarakhand's semi-urban/rural economy.
- Outcome: Reduced migration and local job creation.



Students engaged in practical modules of plumbing and electrical skills – combining classroom learning with on-the-job training for sustainable livelihoods



Certificate distribution for these courses: Click here Link to relevant event

3. Vocational Education at HSVSSD

3.1 Bachelor of Vocation (B.Voc.) in Culinary Management

- Structure: 3 years; 60% skills, 40% academics; 20–24 months paid On-the-Job Training (OJT).
- Certifications: NSQF Levels 4–7 (Multi Cuisine Chef → Sous Chef).
- Outcome: Graduates employed in hotels, restaurants, resorts, cruise lines; some start local businesses.



Marketing Visibility Collaterals B.Voc.



Practical Exposure F&B Lab



Skill Partners With NSDC-Approved Training Center

3.2 Certificate in Hotel Operations (CHO)

- Duration: 9 months (3 months classroom + 6 months hotel OJT).
- Focus: Housekeeping, Front Office, Food & Beverage, Food Production.
- Certification: NSQF Level 4 + SRHU Certification.
- Impact: Low-cost entry (₹18,000 fee, flexible payments) makes higher education accessible to first-generation learners from rural backgrounds.



Marketing Visibility Collaterals-Hotel Operations



The CHO program emphasizes learning by doing, ensuring students gain real-world skills and confidence to perform in professional hotel environments

3.3 Social Responsibility & Outreach

- Outbound Social Activities: Students serve at large gatherings (35,000+ at Tarkeswar Mahadev Temple) and University hospital events, distributing food, drinks, and support.



SRHU students providing community service to over 35,000 devotees at Tarkeswar Mahadev Temple – blending vocational training with social responsibility



LIS SRHU and CHO HM Batch 6 students engaged in community outreach, supporting vulnerable populations in alignment with SDG 1: No Poverty

4. Research Publication

For the academic year 2024-2025 the University published few publications in Scopus indexed journals which address the pressing issues covered under SDG 1: No Poverty.

SN.	Publication Title	DOI
1	The Silent Crisis: Malnutrition in Uttarakhand's Children	10.55489/njcm.160720255203
2	Serving local produce in homestays for socio-economic development in Uttarakhand	10.4018/979-8-3373-0427-4.ch011
3	A study of women entrepreneurs as catalysts for sustainable development An inspirational story of Uttarakhand well known “Mushroom Girl”	10.1201/9781032725581-6
4	Comprehensive review of sustainable utilization of Arenga obtusifolia Griff. as a food	10.1016/j.jafr.2023.100945
5	Impact of Financial Inclusion for Achieving Sustainable Development for Removing Poverty in all Forms: A Review Study from India	10.1007/978-3-031-67523-2_20

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ZERO HUNGER

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In alignment with Sustainable Development Goal 2 (Zero Hunger) and its commitment to community health, SRHU addresses the nutritional needs of vulnerable populations—particularly pregnant women, lactating mothers, and children—through structured and targeted health camps. These camps aim to improve maternal and child health outcomes by delivering preventive care, nutrition education, and direct supplementation in underserved areas with limited access to healthcare.

1.1 Health Check-Ups for Pregnant and Lactating Women

To tackle maternal and infant health challenges in remote and high-need regions, SRHU organizes comprehensive maternal health camps in villages, with a consistent schedule of every Wednesday and Saturday. These camps emphasize on:

- Early pregnancy registration
- Complete antenatal check-ups
- Timely identification and referral of high-risk pregnancies

A dedicated medical team comprising a lady doctor, nurse, pharmacist, counsellor, and field supervisor delivered the following services:

- Blood pressure, blood sugar, and haemoglobin testing
- Nutritional counselling and care guidance
- Distribution of Iron-Folic Acid (IFA) and Calcium tablets

A total of 60 health camps were conducted, through which 1,756 pregnant and lactating women accessed vital services supporting maternal nutrition and care.



Maternal Health camps with an aim to sesitize the importance of balanced nutrition



Maternal healthcare camps conducted by SRHU to promote nutrition, safe motherhood, and well-being of mothers and children aligning with SDG 2

1.2 Home Visits

To ensure continuity of care beyond the camp settings and advance the goals of SDG 2: Zero Hunger, SRHU followed up with 3,204 pregnant and lactating women through home visits. Field supervisors monitored maternal and newborn health while offering personalized counselling on antenatal and postnatal care, delivery preparedness, and optimal infant feeding practices. These visits also actively involved family members—especially husbands and caregivers—to promote nutritious diets, timely health check-ups, institutional deliveries, colostrum and exclusive breastfeeding, complementary feeding, micronutrient supplementation, early recognition of high-risk symptoms, and family planning awareness, thus fostering improved maternal and child nutrition outcomes in underserved communities.



SRHU health worker conducting a home visit for newborn care—ensuring early monitoring, maternal support, and nutritional guidance

1.3 Special Care for High-Risk Cases

Special attention is given to managing high-risk pregnancies, a critical component of SRHU's maternal and child health initiative. During 2024-2025, 156 high-risk pregnant women received personalized support, including free transportation to health facilities, diagnostic services, medical treatment, and nutritional supplementation. Early identification of such cases was enabled through targeted ASHA worker training and regular screenings.

To address severe anemia, 238 nutrition kits were distributed, prioritizing women with haemoglobin levels below 7 gm/dL. ASHAs and field supervisors consistently tracked these cases through pregnancy and postpartum, ensuring continuity of care and improved nutritional outcomes.







Nutrition kits distributed to mothers as part of SRHU's efforts to combat maternal malnutrition and support healthy pregnancies

1.4 Village Health, Sanitation and Nutrition Days (VHSNDs)

Village Health, Sanitation, and Nutrition Days (VHSNDs) are held monthly on Saturdays to serve as a platform for raising awareness about available maternal and child health services, delivering primary healthcare, and providing nutrition interventions, particularly for marginalized and vulnerable communities.

Nutrition-focused camps are organized along with counselling on family planning, healthy diets, and maternal care. A unique initiative is also undertaken, where nutritious Millet Laddoos prepared by local Self-Help Groups are distributed to pregnant and lactating women for on-site consumption. This effort not only contributes to improved maternal nutrition but also supports local women's livelihoods. During 2024-2025, participation was recorded from 1,985 pregnant women, reinforcing SRHU's commitment to SDG 2.





Women attending VHSND sessions, where essential health services, nutrition support, and counselling are provided, contributing to improved maternal well-being

1.5 Community Mobilization and Sensitization

Effective nutritional and maternal care hinges on community support and awareness. SRHU conducted regular sensitization meetings with community leaders, SHGs, parents and youth. These sessions:

- Informs communities about health rights and service availability
- Addresses myths and misconceptions around maternal and child nutrition
- Encourages use of health facilities, counselling support, and preventive programs
- Strengthens collective responsibility for community health and adolescent well-being



Regular sensitization meetings are conducted with community leaders and Self-Help Groups (SHGs) to strengthen community engagement and promote maternal and child nutrition

2 School Health Camps

The School Health Program is implemented in primary schools to deliver essential health services to students. As part of the initiative, 37 health camps were conducted, reaching 2,266 children who are screened for growth parameters, anemia, malnutrition, and the "4Ds"—Defects, Diseases, Deficiencies, and Developmental Delays. Students identified with health concerns are provided with appropriate care, including treatment, nutrition counselling, or referral to specialized services through the Rashtriya Bal Swasthya Karyakram (RBSK)

2.1 Nutritional Support for Children of Migrant Families

Health camps are organized at community-based centers such as Aakhar and Flying Birds, with a focus on reaching vulnerable children. At Aakhar, 243 children were screened for general illnesses and signs of malnutrition, while outreach efforts at Flying Birds engaged 76 children along with their parents. During these camps, nutrition

counselling and basic treatment is provided to address minor illnesses and dietary needs, contributing to improved health awareness and early intervention at the community level.



Nutrition support and health check-ups being provided to migrant children as part of SRHU's outreach efforts to improve child health and well-being in underserved communities

2.2 Nutrition Education for Adolescents

As part of the Adolescent Health Program, nutrition is integrated as a core theme in SRHU's outreach and training initiatives. A total of 224 Peer Educators were trained on

key topics such as adolescent nutrition, menstrual health, and growth. Through peer-led sessions, 7,022 adolescents were sensitized on the importance of balanced diets, anemia prevention, healthy growth, and related concerns. Additionally, Adolescent-Friendly Health Clinics facilitated growth monitoring, haemoglobin testing, and personalized nutrition counselling, and reinforcing SRHU's commitment to adolescent well-being under the framework of SDG 2: Zero Hunger.







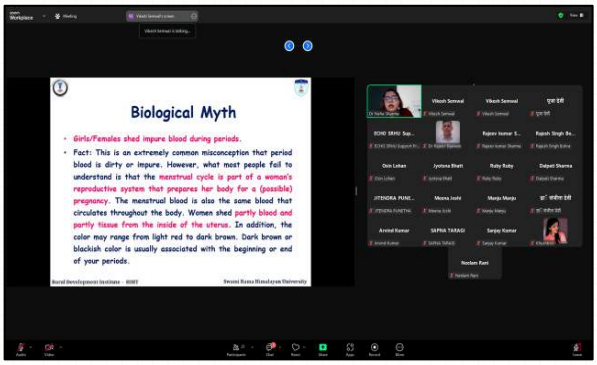
Adolescents being sensitized on balanced diets, anaemia prevention, and healthy growth through peer-led sessions under SRHU's Adolescent Health Program

2.3 Menstrual Hygiene & Nutritional Linkages

Through the Menstrual Hygiene Management (MHM) Program:

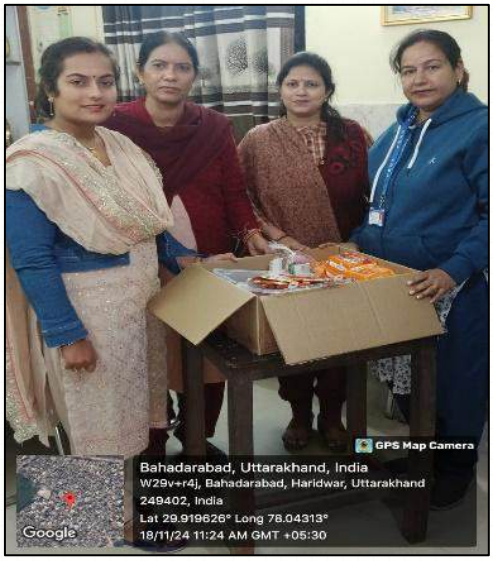
- 104 teachers trained online (ECHO platform) across 13 residential schools
- Sessions included nutrition-related topics such as anemia, menstrual health, and its impact on education and well-being
- Offline sessions reached girls in slum and tribal areas, emphasizing access to nutrition, hygiene, and menstrual products











Teachers being trained through the ECHO platform on menstrual hygiene management. Offline sessions simultaneously reached adolescent girls in slum, tribal, and remote areas—promoting access to nutrition, hygiene, and menstrual products

3. Comprehensive Community Development Program (CCDP)

Swami Rama Himalayan University (SRHU) launched the Comprehensive Community Development Program (CCDP) in 2019 to promote inclusive, nutrition-sensitive, and sustainable development in the hilly rural areas of Uttarakhand. Aligned with Sustainable Development Goal 2 (Zero Hunger), CCDP seeks to enhance food security, agricultural productivity, and rural livelihoods—particularly for vulnerable and marginalized communities.

3.1 Promoting Sustainable Agriculture and Livelihoods

SRHU supported the cultivation of 20.35 quintals of diverse, high-value crops through its community-based program. The initiative focused on both cash and nutritional crops such as turmeric, garlic, chilly, and ginger, along with traditional millets like Jhangora (barnyard millet), Manduwa (finger millet), and Jakhiya (wild mustard). These climate-resilient, nutrient-rich crops are well-suited to the dry, wildlife-prone terrain of the region.

Their cultivation not only enhances local food security but also offers alternative sources of livelihood through increased production and market linkage.



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

To further strengthen the agricultural value chain, a Value Addition Centre was established to process, sort, package, and brand local produce. Products were introduced in consumer-ready packs (100g, 250g, and 500g) and marketed at urban exhibitions and expos under a local branding initiative. This strategic move reduced post-harvest wastage, improved farmer incomes, and promoted the consumption of nutritionally valuable indigenous crops among urban consumers.



Packaged Turmeric contributing to the value addition of the harvested produce



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

In 2024–25, the program was expanded to Malethi, where 4.374 acres (7 bighas) of previously uncultivated, barren land was brought under productive use. Nutritionally rich and high-demand crops such as onion, cabbage, green chilli, cauliflower, and ginger were sown. This expansion not only improved land utilization but also contributed to greater crop diversity and enhanced dietary diversity at the household level.



Chilli cultivation supported under sustainable agriculture initiative

Recognizing the region's temperate climate and potential for horticulture, a pilot apple orchard was initiated with the planting of 150 saplings. The orchard is expected to yield crops with high market value and nutritional benefits, offering a model that can be replicated by other local farmers. If successful, it will further strengthen nutrition-sensitive agriculture while contributing to sustainable income generation.

3.2 Promoting Livelihoods to Strengthen Food Security

While not all livelihood initiatives are directly nutrition-related, several of SRHU's programs under the CCDP contribute meaningfully to Sustainable Development Goal 2 by enhancing household income and resilience, critical enablers of food and nutrition security. By increasing purchasing power and empowering women and youth, these interventions indirectly reduce hunger and improve overall well-being.

3.2.1 Tailoring and Handicrafts Units

Skill-based livelihood units such as tailoring and handicrafts have empowered women in rural and tribal communities by equipping them with income-generating capabilities. In 2024–25, 15 women were trained in tailoring and weaving at centers in Nagthat and Athoorwala. These skills not only diversified income sources but also enhanced the decision-making role of women within their households, positively influencing food choices and nutrition practices.



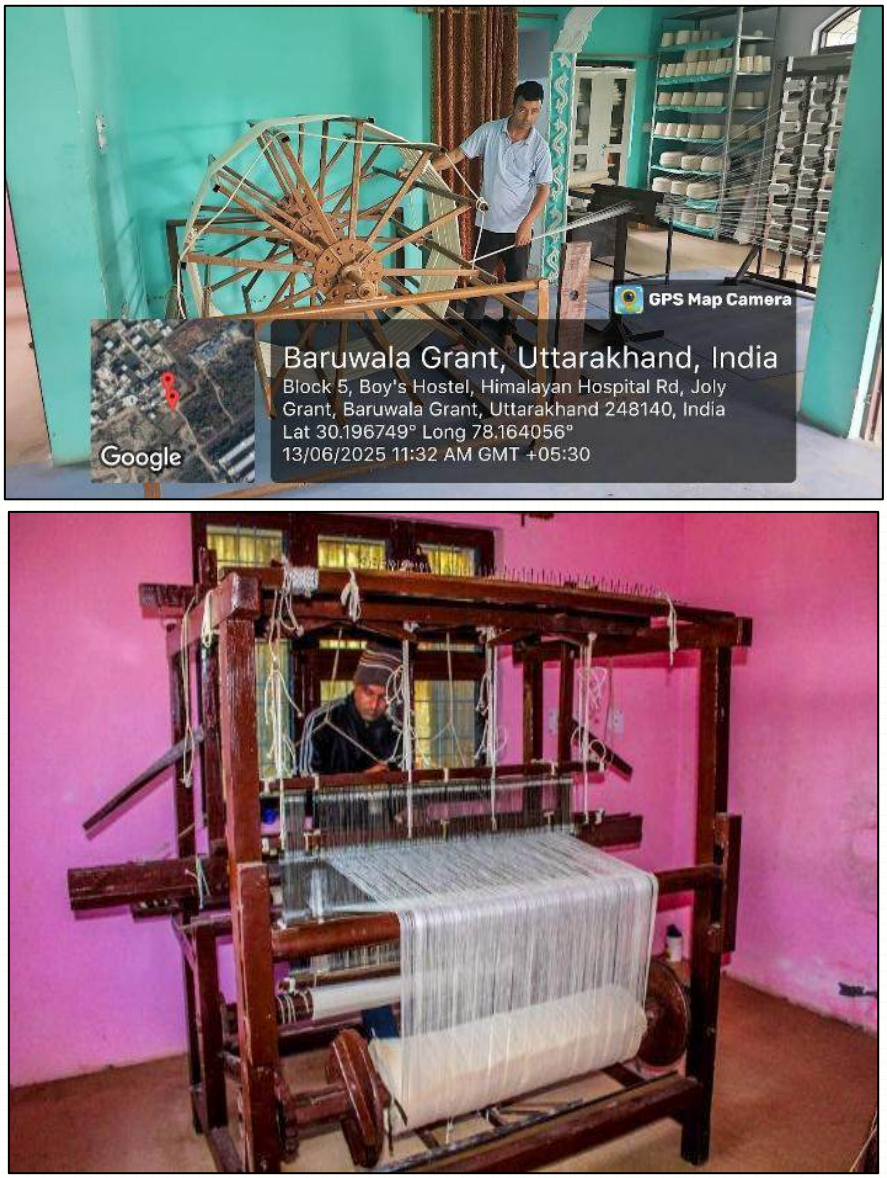
Women engaged in tailoring and handicrafts and supporting improved household nutrition and food security



Women engaged in tailoring and handicrafts, empowering rural communities and indirectly supporting improved household nutrition and food security

3.2.2 Handloom Unit

Through the production of eco-friendly, handmade textiles, the handloom unit trained local women in traditional weaving. This initiative preserved cultural heritage while simultaneously promoting sustainable livelihoods. The resulting economic stability in rural households has contributed to improved access to nutritious food and reduced vulnerability to food insecurity.



Locals working at the handloom unit established by SRHU promoting sustainable livelihoods and contributing to household food security

3.2.3 Integrated Skill Development Certificate Courses

Launched in May 2024, the Integrated Skill Development Certificate Courses aimed to prepare rural youth with practical, employment-ready skills to enhance local job opportunities, reduce urban migration, and strengthen rural incomes. Conducted jointly by SRHU and the Rural Development Institute (RDI), these free courses covered key trades such as:

Course Title	Duration	Participants Trained (2024–25)
Office Assistant cum Computer Operator	450 hours (3 months)	42
Electrician cum Plumber	470 hours (3 months)	40



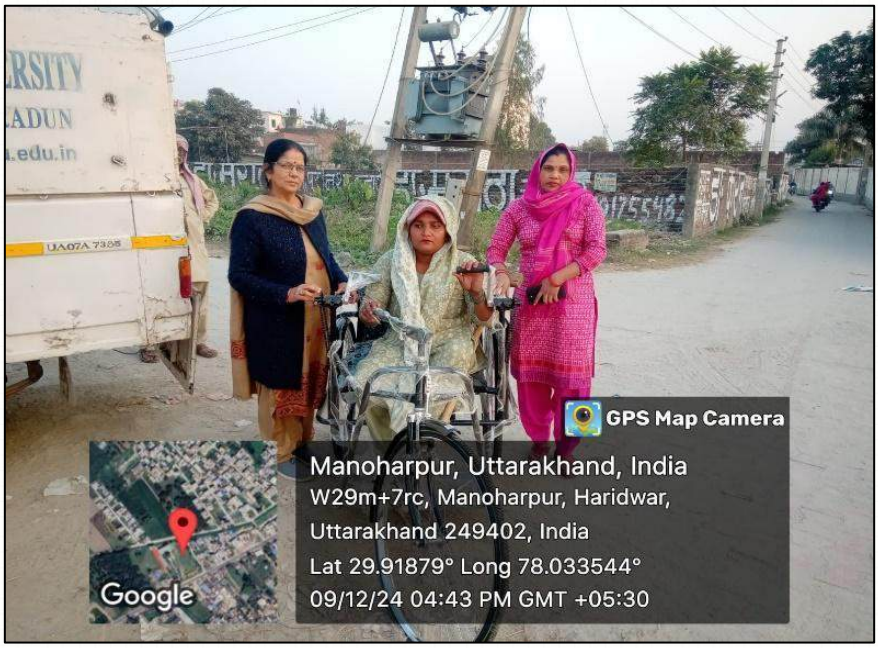


Youth participating in Integrated Skill Development Certificate Courses which equips rural communities with employment-ready skills to enhance incomes, reduce migration, and strengthen food security

4 Nutritional Security for Persons with Disabilities through Inclusive Rehabilitation

SRHU's Community-Based Rehabilitation (CBR) program integrates nutrition and livelihood components into its holistic disability support framework, addressing the disproportionate food insecurity faced by persons with disabilities (PWDs) in underserved regions. Through inclusive economic empowerment initiatives, 17 PWDs were supported in launching micro-enterprises such as hawker carts, tailoring units, and festival-based vending, generating seasonal incomes of ₹10,000–15,000 and enhancing household food security. Ten inclusive self-help groups (SHGs) were formed—five linked to banks—enabling access to credit for food, agriculture, or small business investments.

Social protection measures were strengthened through facilitation of 30 disability certificates and 38 UDID cards, linking PWDs to entitlements such as disability pensions, subsidized rations (PDS), and education-based nutrition support. Complementary interventions further amplified the program's impact: 11 mobility aids were distributed to promote independence in food access and preparation. Through this integrated approach, the CBR program advances food security, nutrition, and dignity for persons with disabilities under SDG 2.



SRHU supported marginalized communities through hawker carts, small business investments, and distribution of mobility aids enhancing economic independence, food access, and dignity



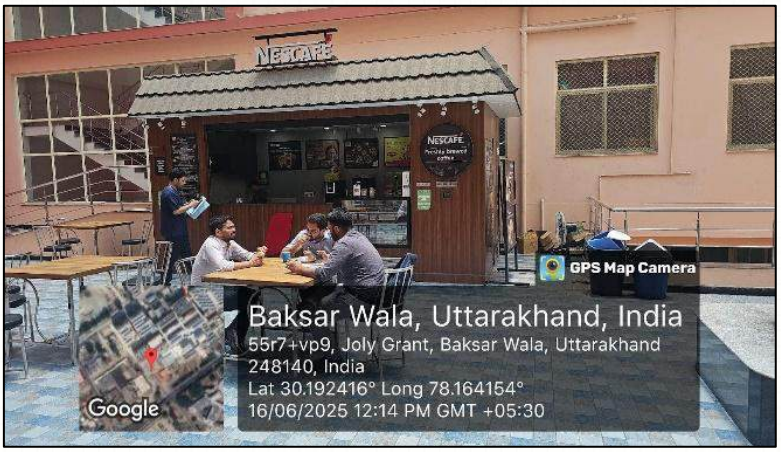




SRHU supported marginalized communities through hawker carts, small business investments, and distribution of mobility aids enhancing economic independence, food access, and dignity

5 Healthy and Affordable Food Choices on Campus

Recognizing the vital role of nutrition in supporting the overall health and productivity of its students, faculty, and staff, SRHU has implemented several initiatives to ensure access to healthy and affordable food on campus. Multiple cafeterias and canteens operate across the university, offering a wide variety of nutritious meal options at reasonable prices. These meals are prepared using fresh, locally sourced ingredients, promoting both quality and environmental sustainability. By creating a food environment that prioritizes health, affordability, and sustainability, SRHU contributes to improved dietary practices and supports the broader goals of SDG 2.



Nescafe near Adi Kailash Auditorium



Cafe near Himalayan College of Nursing



So Comida in SRHU Campus



Coffee shop in SRHU (HIMS)



Coffee shop in SRHU (SST)



Aanchal Cafe in the SRHU Campus

6 Research and Development Initiatives

SRHU has actively contributed to advancing Sustainable Development Goal 2 through a diverse body of research encompassing nutrition, food security, sustainable agriculture, and value-added food systems. A total of 47 research publications from SCOPUS-indexed journals are mapped under SDG for 2025-2025. The research work span a wide range of themes such as biofortification, nutraceutical potential of indigenous crops, food innovation, sustainable farming practices, soil and plant health monitoring, food preservation technologies, and the integration of IoT in agriculture.

SN	Publication Title	DOI
1.	Mapping of radionuclides for radiological impact assessment in cultivated soil of Punjab, India	*10.1016/j.apradiso.2025.111881*
2.	Corrigendum to "Comprehensive review of sustainable utilization of Arenga obtusifolia Griff. as a food"	*10.1016/j.jafr.2024.101619*
3.	Sal (Shorea robusta) seed oil: A sustainable alternative for cocoa butter and edible oil	*10.1016/j.fufo.2025.100655*
4.	Near-infrared spectroscopy for nutrient analysis in manure:	*10.4018/979-8-3693-7473-3.ch012*

	Techniques, applications, and innovations	
5.	Ficus auriculata Lour., an underutilized nonconventional alternative fruit to Ficus carica with nutraceutical potential	*10.1007/s43621-024-00480-3*
6.	Anti-diabetic potential of Rubus species: linking conventional knowledge with scientific developments: a review	*10.1186/s43014-024-00263-3*
7.	Harnessing nanotechnology for sustainable agriculture: From seed priming to encapsulation	*10.1016/j.plana.2024.100124*
8.	The Silent Crisis: Malnutrition in Uttarakhand's Children	*10.55489/njcm.160720255203*
9.	Plant-microbes-nanofertilizers and their interactions for plant growth promotion and stress management	*10.1016/B978-0-443-22285-6.00007-0*
10.	Exploration of techno-functional properties and metabolomic profile of Scleroderma texense (Phutuki Mushroom): a comparative study with Agaricus bisporus (white button mushroom)	*10.1007/s44187-025-00291-z*
11.	Exploration of compositional, functional, nutraceutical, and metabolites of Ram kandmool (Agave sisalana Perrine) for potential application in food systems	*10.1016/j.ijbiomac.2025.142095*
12.	Isolation and Characterization of Plant Growth Promoting Endophytes from Linum Usitatissimum	*10.30564/re.v7i2.9406*
13.	Spectroscopy: A powerful tool for evaluating soil fertility and assessing soil health	*10.4018/979-8-3693-7473-3.ch014*

14.	Millet biofortification for enhanced iron content: Roadmap for combating hidden hunger	10.1016/j.jafr.2025.101654
15.	The interplay of heart rate variability and ventricular repolarization parameters in the obese state: a review	10.1097/XCE.0000000000000323
16.	Enhancing the functionality of extruded snack (namkeen) using indigenous ingredients of Uttarakhand, India: A predictive modelling approach for shelf-life optimization	10.1007/s44187-025-00333-6
17.	Evaluation of infant feeding knowledge and practices of mothers in rural communities of Uttarakhand India: A cross-sectional study	10.1016/j.jnn.2025.101694
18.	Green chemistry revolutionizing sustainability in the food industry: A comprehensive review and call to action	10.1016/j.scp.2024.101774
19.	Harnessing probiotic foods: managing cancer through gut health	10.1007/s10068-024-01638-5
20.	Slaughterhouse blood: A state-of-the-art review on transforming by-products into valuable nutritional resources and the role of circular economy	10.1016/j.fbio.2024.104644
21.	Encapsulation of debittered pomelo juice using novel Moringa oleifera exudate for enrichment of yoghurt: A techno-functional approach	10.1016/j.foodchem.2024.139937
22.	Comprehensive review of sustainable utilization of Arenga obtusifolia Griff. as a food	10.1016/j.jafr.2023.100945

23.	Nanoparticles as a Tool for Alleviating Plant Stress: Mechanisms, Implications, and Challenges	*10.3390/plants13111528*
24.	Micro-algae: Revolutionizing food production for a healthy and sustainable future	*10.1016/j.jafr.2023.100939*
25.	Structural and functional insights into Dioscorea esculenta (Suthni) flour: a comparative analysis with potato flour for potential application in bakery product	*10.1007/s11694-024-02880-5*
26.	Fishers 4.0: Revolutionizing Contemporary Fisheries Management through Industry 4.0 Integration	*10.1109/HISET61796.2024.00054*
	Biofortification as a solution for addressing nutrient deficiencies and malnutrition	*10.1016/j.heliyon.2024.e30595*
27.	Himalayan fruit and circular economy: nutraceutical potential, traditional uses, challenges and opportunities	*10.1186/s43014-023-00220-6*
28.	Nutritional, techno-functional properties, and metabolite profiling of Arenga obtusifolia griff. (Tassey) flour in the formulation of functional food	*10.1016/j.fbio.2024.105502*
29.	Sustainable solutions for food security: Evaluating pre-treatment technologies in the growing fruits and vegetables industry of India	*10.1016/j.scp.2024.101580*
30.	Optimization of pretreatments to enhance quality characteristics and storage period of kinnow (Citrus reticulata Blanco) using response surface methodology	*10.1038/s41598-024-80555-3*

31	State-of-the-art non-destructive approaches for maturity index determination in fruits and vegetables: principles, applications, and future directions	*10.1186/s43014-023-00205-5*
32.	Exploring pharmacological properties and food applications of Asparagus racemosus (Shatavari)	*10.1016/j.focha.2024.100689*
33.	Editorial: Potential of the plant rhizomicrobiome for bioremediation of contaminants in agroecosystems	*10.3389/fpls.2024.1397360*
34.	Rhizomicrobiome as a potential source of microbial inoculants for use in in vitro biotization mediated acclimatization of micropropagated plants	*10.1016/B978-0-443-23691-4.00015-4*
35.	Revolution of Agriculture: State-of-art and Research in IoT	*10.1109/ICAC2N63387.2024.10895719*
36.	Agricultural Innovations using IOT - A Comprehensive Review	*10.1109/ICAC2N63387.2024.10895646*
37.	Edible Flowers: Health Benefits, Nutrition, Processing, and Applications	*10.1016/C2022-0-02601-5*
38.	Traditional and Underutilized Fruits and Vegetables for Attaining Zero Hunger	*10.1007/978-3-031-51647-4_8*
39.	Smartphone addiction and its correlation with academic performance in high school adolescents: An observational study	*10.4103/amh.amh_97_24*
40.	Microbial Technology for Agro-Ecosystems: Crop Productivity, Sustainability, and Biofortification	*10.1016/C2021-0-03424-6*
41.	Effect of Engineered Nanoparticles on Rhizospheric Microbes	*10.1007/978-981-97-2355-3_3*

42.	SSR In Genome Sequences Of Tartary Buckwheat	*10.1109/HISET61796.2024.00046*
43.	Nutraceutical Potential of Staple Food Crops	*10.1002/9781394241576.ch16*
44.	Nutrition related practice of mother's under-five children	*10.47203/IJCH.2024.v36i01.012*
45.	Role of Citrus Juice Sacs	*10.1007/978-981-99-8699-6_11*
46.	Probiotics in Aquaculture	*10.1201/9781003408543-7*
47.	Evaluation of polysaccharides, proteins, total phenolic content and antioxidant property of Hypsizygus ulmarius cultivated on varying substrate	*10.1109/HISET61796.2024.00062*

Swami Rama Himalayan University

NAAC A+

SUSTAINABLE DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS



GOOD HEALTH & WELL-BEING

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Swami Rama Himalayan University (SRHU), Dehradun, aligns its core mission with the UN's Sustainable Development Goal 3—**Good Health and Well-being**—through integrated healthcare services, medical education, research, and community outreach. With a flagship multi-speciality teaching hospital and diverse health sciences programs, SRHU provides a model for sustainable, quality-driven healthcare education and delivery. (Aligned with SDG Target 3.8, 3.c)

2. Quality

2.1 Healthcare Infrastructure & Services

- Himalayan Hospital, a 1,200+ bedded NABH-accredited super-specialty facility, is the largest private postgraduate teaching hospital in Northern India. (Target 3.8)
- It houses specialized facilities including Cardiac and Cancer Care, Dialysis, Nuclear Medicine, Eye Bank, and DOTS-Plus Centre. (Target 3.4, 3.3)
- Advanced diagnostic and treatment infrastructure includes 1.5 Tesla MRI, 128-slice Spiral CT, PET scan, and Gamma Camera. (Target 3.b)
- Patient-centric systems include an integrated patient portal for efficient appointments and records management. (Target 3.8)

2.2 Academic Excellence

- SRHU offers MBBS, MD/MS, Nursing, Paramedical Sciences, Clinical Research, Epidemiology, Hospital Administration and Yoga sciences programs with a strong focus on health education and applied medical sciences. (Target 3.c)
- Courses integrate public health, mental health, nutrition, and NCD management, reflecting global and national health priorities.
- Preventive health services and health awareness topics are also embedded into the curriculum to foster early intervention and community engagement.
- The curricula further address national and global priorities through a diverse array of core courses, electives, skill and capability enhancement programs, and interdisciplinary modules. These cover themes such as epidemic and pandemic preparedness, environmental sustainability, climate change impacts, global health systems, occupational diseases, mental health, and Covid-19. Additionally, the University incorporates focus areas like gender empowerment, access to safe water, malnutrition, population growth, and tuberculosis elimination, thereby aligning education with multiple SDG targets. (Target 3.4, 3.5, 3.7, 3.d)

List of courses offering health education/awareness Click here

- A rich curriculum comprising over 270 health-related programs (UG, PG, doctoral) across various schools. (Target 3.8)

2.3 Skills Development

- The Skill & Simulation Centre of Excellence (SSCE) is the first in Uttarakhand offering hands-on training with high-fidelity manikins, simulators, and ACLS/BLS programs, ensuring practice-ready professionals. (Target 3.c)
- Regular workshops and cadaveric trainings across domains like neonatology, trauma care, orthopaedics, surgery, and more. (Target 3.1,3.2)




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Skill & Simulation Centre of Excellence (SSCE) at SRHU: Pioneering innovative training and hands-on sessions to build competent healthcare professionals











Hands-on excellence: Cadaveric lab training at SRHU empowering future healthcare professionals to enhance surgical skills and patient outcomes

2.4 Research Excellence (Aligned with SDG Target 3.b)

SRHU demonstrates a robust culture of intramural and extramural research, driving innovation across a broad spectrum of health-related domains. Faculty and researchers have published extensively in SCOPUS-indexed journals, contributing to global knowledge in:

- **Non-Communicable Diseases (NCDs)**: From breast cancer biomarkers and drug resistance in tuberculosis to cardio-metabolic research, multiple studies offer insights into disease trends, diagnostics, and therapies.
- **Cancer and Regenerative Medicine**: Cutting-edge work on cancer theranostics, proteasomal dysfunction, immunotherapy resistance, and regenerative solutions using natural compounds and nanotechnology reflects SRHU's scientific depth.
- **Infectious Diseases**: Research spans the burden and management of hepatitis, tuberculosis, rabies, and neonatal infections, emphasizing both clinical care and public health.
- **Community-Based Studies**: Investigations address maternal-child health, nutrition, adolescent awareness, and vaccination, with a strong focus on Uttarakhand's rural and tribal populations.
- **Yoga and Integrative Health**: Randomized controlled trials on yoga modules for stress, sleep, and autonomic balance among healthcare professionals showcase SRHU's leadership in evidence-based traditional medicine.
- **Pharmacology & Bioavailability**: Innovative formulations like zinc-coated curcumin and moringa-based anti-cancer studies underline the commitment to drug discovery and delivery optimization.

The University's research endeavours reflect a strong alignment with public health priorities and the Sustainable Development Goals, particularly in enhancing access to essential medicines, fostering innovation, and promoting community-centric solutions.

- Projects like SANKALP (neonatal mortality reduction) show policy-impacting translational research. (Target 3.2)



Under the SANKALP initiative, a Co-development Workshop in Dehradun convened NHM officials, experts, and policymakers to strategize on reducing neonatal mortality. Swami Rama Himalayan University leads the Haridwar program, emphasizing training, innovation, and community outreach.





Two-day Simulation Lab Training under Sankalp project, guided by expert faculty from HIMS and HCN of Swami Rama Himalayan University.

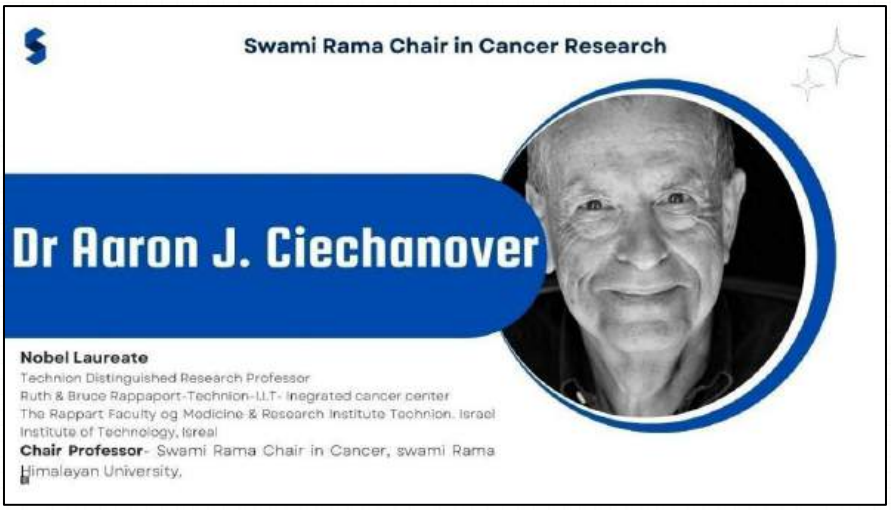


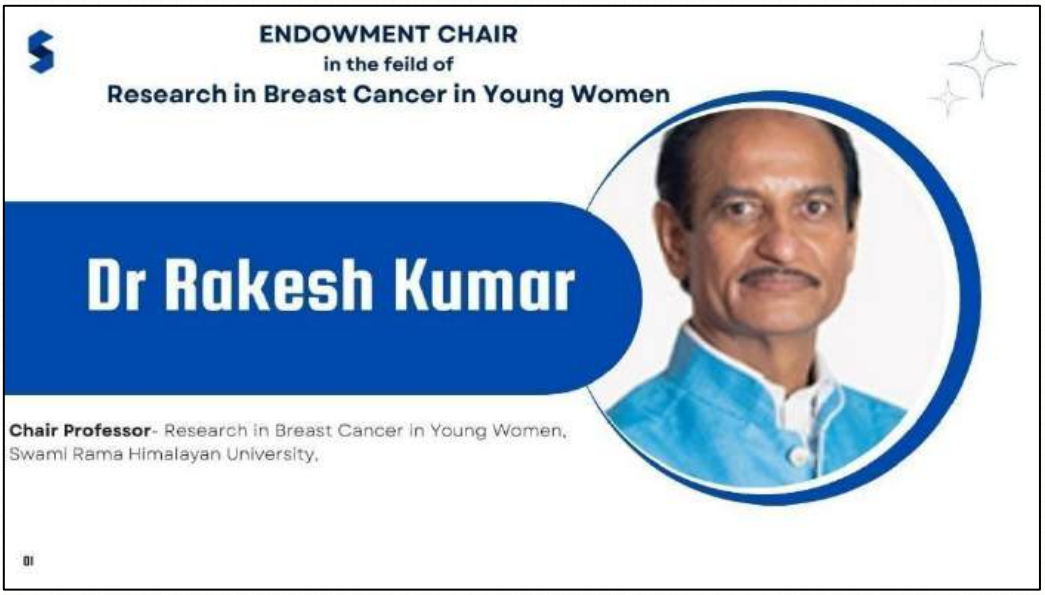
Review meeting for the SANKALP initiative at the Office, Haridwar on was held on 16 May 2025



Meeting of Sankal team with Chief Secretary of CMO Uttarakhand, Secretary, Department of Health Research & Director General of ICMR

- Two endowment chairs are dedicated to cancer research, promoting innovation in diagnostics and treatment. (Target 3.4)





- Research output includes indexed publications in Scientific Reports, Cellular Signalling, BMJ Case Reports, Journal of Surgical Oncology, etc. **(Target 3.d)**

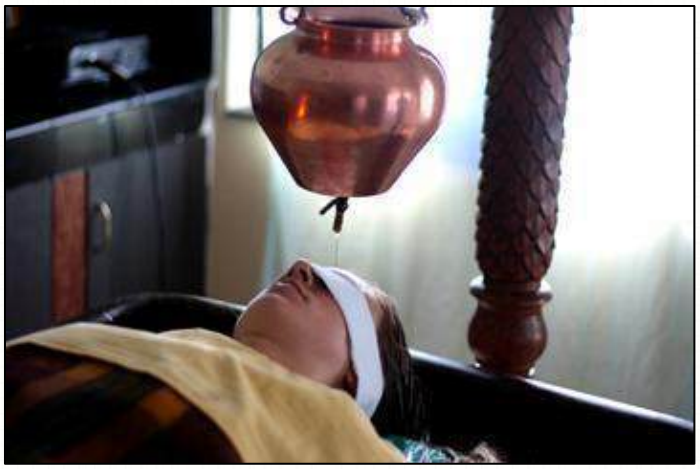
3. Sustainability

3.1 AYUSH and Holistic Health

- SRHU integrates Yoga, Ayurveda, Naturopathy, and Homeopathy through its AYUSH Learning and Therapy Centre, promoting sustainable, low-cost, and culturally rooted healing. (Target 3.4, 3.5)



Ancient mindfulness in practice: Yoga session with soothing eye oil to deepen focus and enhance inner calm



Panchakarma: A unique Ayurvedic therapy that blends prevention with cure, restoring balance and vitality naturally.

- Regular yoga sessions and stress management workshops are conducted for students and staff to promote mental well-being. (Target 3.4)



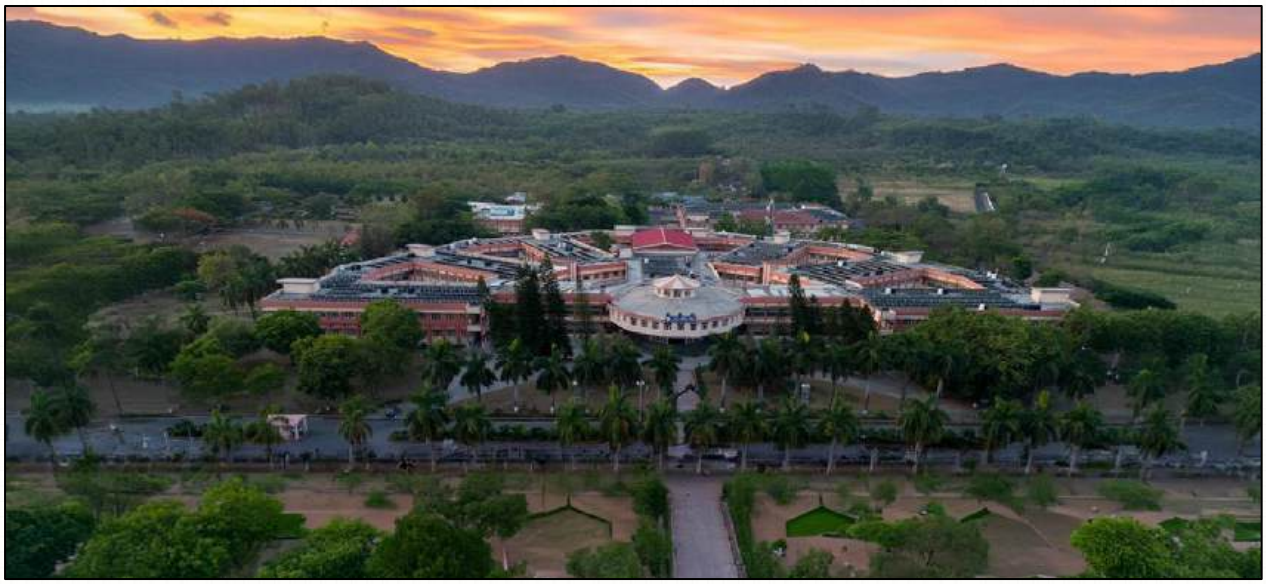
The School of Yoga Sciences conducts regular Yoga sessions for students well being



The School of Yoga Sciences conducts regular Yoga sessions for students well being

3.2 Environmental Integration

- The 200-acre green campus prioritizes energy efficiency and environmental health. (Target 3.9)





Snippets of lush green campus

Swami Rama Himalayan University demonstrates strong environmental integration through several recent initiatives:

- **MoU for Climate Action & Sustainability:** Recently, SRHU signed a landmark MoU with the International Institute of Parliamentary Studies (promoted by Uttarakhand Vidhan Sabha), specifically highlighting collaboration in climate action and environmental governance.





SRHU signed a historic MoU with the International Institute of Parliamentary Studies, Research & Training, The collaboration will advance joint efforts in climate action, public health, women empowerment, rural innovation, and governance.

- **Recognition for Green Practices:** The University 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 recognized as Renewable Energy Champion at CII-Northern Region Green Practices Awards 2024

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



Inauguration of newly installed solar power panels at SRHU

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



Campus wide plantation o the Occasion of Harela 2025

4 Impact

4.1 Community Engagement

- Through its Community Medicine department, HIMS, and Community Health Nursing department, HCN, Rural Development Institute (RDI) and partnerships with the State Health Department, Wipro Cares, and New Space India Ltd, SRHU implements maternal, child, and adolescent health interventions across underserved Uttarakhand villages, aiming to reduce maternal and child mortality. (Target 3.1 and 3.2)





Observation of health related days in the community and engagement of students and stakeholders for health awareness




Observation of health related days in the community and engagement of students and stakeholders for health awareness

- The University organizes vaccination drives, screening camps, and nutrition education sessions to strengthen disease prevention and early detection, directly supporting SDG Target 3.3 (ending communicable diseases).



Health screening camp in progress



Health screening of children and nutrition awareness session in progress

- For community engagement, the University conducts door-to-door awareness campaigns, ASHA worker training, health literacy sessions, and local stakeholder meetings, ensuring culturally sensitive and inclusive participation from women, adolescents, and

marginalized populations—fostering ownership, trust, and sustained behavioural change at the grassroots level.





ASHA training program certificate distribution communication with the community stakeholder



Community engagement at Anganwadi centre



Nutrition kit being provided to pregnant woman

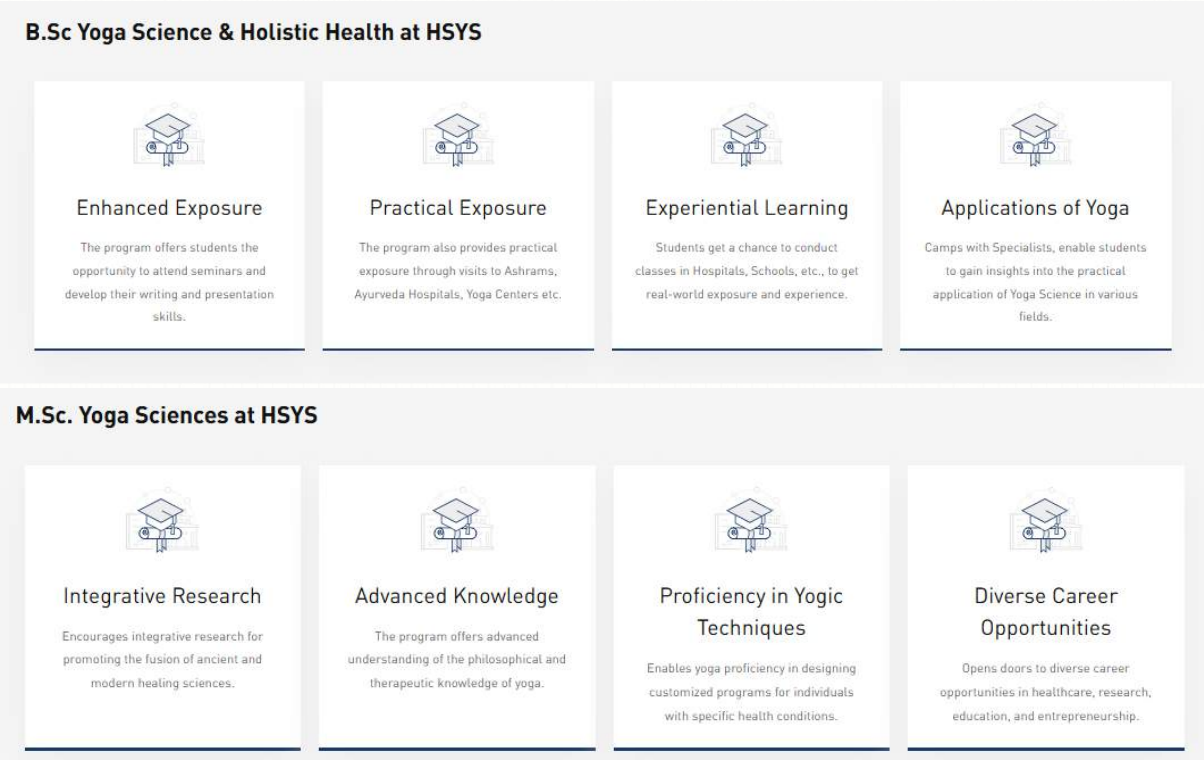




Local stakeholder meetings, ensuring participation from women, adolescents, and marginalized populations

4.2 Capacity Building

- Introduced Diploma in Yogic Sciences & Holistic Health, promoting wellness-oriented education and community outreach. (Target 3.4, 3.c)



- Frequent clinical workshops, public lectures, and training programs build professional capacity and community health literacy. (Target 3.c)

4.3 Collaborations

- Over 40 national and international MoUs with partners like ICMR, CSIR, IOCL, Smile Train India, and American Heart Association. (Target 3.b, 3.d)
- Projects with organizations like DBT, ICMR, and BCIL further innovation in translational and regenerative health solutions. (Target 3.b)

List of ongoing collaborations with industry, research institutions and Hospitals Click here

5 Research

A significant body of research aligned with SDG 3 (Ensure healthy lives and promote well-being for all at all ages) has been published in Scopus-indexed journals, reflecting diverse themes in public health, clinical medicine, mental health, nutrition, maternal and child health, and biomedical innovations.

The publications address critical health challenges such as malnutrition in children (Uttarakhand studies), pediatric-to-adult transition in multiple sclerosis care, and maternal and child health outcomes including infant feeding practices, premature birth, and reproductive health awareness among adolescents. Research on disease prevention and management is evident in studies on pneumonia screening using AI, biomarkers for breast cancer, tuberculosis-related ethical dilemmas, immunotherapy in type 1 diabetes, and systematic reviews on triple-negative breast cancer.

SN	PUBLICATION TITLE	DOI
1	The Silent Crisis: Malnutrition in Uttarakhand's Children	10.55489/njcm.160720255203
2	The Human Side of Sustainability: Behavioural Economics in Climate Action and Neutrality	10.1007/978-3-031-83250-5_15
3	Blood group misinformation impacting the attendant's decision-making for a timely blood transfusion to their patient: An ethical dilemma	10.1016/j.tracli.2024.12.003

4	Understanding continuous use intention of technology among higher education teachers in emerging economy: evidence from integrated TAM, TPACK, and UTAUT model	10.1080/03075079.2024.2343955
5	Transitioning from pediatric to adult multiple sclerosis care: Challenges, strategies and therapy	10.1177/18758894251329690
6	Ribosomal protein S6: A Novel biomarker in the molecular era of breast cancer diagnosis and prognosis	10.18231/j.ijmmtd.2025.029
7	High Cited Papers in Type 1 Diabetes Mellitus Immunotherapy: A Bibliometric Analysis of Global Publications During 1996-2023	10.14429/djlit.45.2.20408
8	Correction to: Development of Multimodal Training Tool for Preterm Infant Care	10.1007/s12098-025-05423-y
9	Pneumonia Screening From Radiology Images Using Homomorphic Transformation Filter-Based FAWT and Customized VGG-16	10.1002/ima.70093
10	Efficacy of a 4-week yoga module on the sympatho-vagal balance among healthcare workers in a tertiary care hospital: A randomised controlled trial	10.1136/bmjsem-2024-002448
11	Facial expression recognition using Two-Stream Convolutional Neural Networks (TSCNNs) and inception 3D Convolutional Neural Network (CNN)	10.1201/9781003561651-64
12	Evaluation of Speech Recognition Scores in Garhwali and Hindi: A Comparative Analysis	10.4103/jdmimsu.jdmimsu_750_24
13	Exploration of techno-functional properties and metabolomic profile of Scleroderma texense (Phutuki Mushroom): a comparative	10.1007/s44187-025-00291-z

	study with Agaricus bisporus (white button mushroom)	
14	Prognostic Significance and Molecular Classification of Triple Negative Breast Cancer: A Systematic Review	10.4274/ejbh.galenos.2025.2024-10-2
15	Innovative smart biosensors for cancer theranostics: A new frontier in detection, diagnosis, and beyond	10.1016/j.ctarc.2025.100911
16	Designing and Validating a Multimorbidity Assessment Questionnaire for a Rural Indian Community	10.47203/IJCH.2025.v37i01.028
17	The Unforeseen Nerve: A Surgical Surprise during Thyroidectomy	10.1007/s12070-025-05781-1
18	Navigating Risks: Exploring Sexual and Reproductive Health and Contraceptive Awareness among Adolescent Girls in in District Dehradun	10.47203/IJCH.2025.v37i01.014
19	Development of Multimodal Training Tool for Preterm Infant Care	10.1007/s12098-024-05287-8
20	Evaluating the influence of a psychiatry training program on nursing students' attitudes towards mentally ill	10.4103/jehp.jehp_1289_24
21	Perceived usefulness of a blended learning approach for skills training among medical interns: a pilot study	10.1186/s12909-024-06379-x

22	Evaluation of infant feeding knowledge and practices of mothers in rural communities of Uttarakhand India: A cross-sectional study	10.1016/j.jnn.2025.101694
23	Born Too Soon: learning from the past to accelerate action in the next decade	10.1186/s12978-025-02044-8
24	Nepal Publications on Covid-19: A Scientometric Analysis of Research Output, 2020-2023	
25	Awareness about Community Management of Hyperglycemia during Pregnancy among Medical Undergraduates in Western Uttarakhand	10.47203/IJCH.2024.v36i01.017
26	Sleep-Wake dilemma in future generation Health Care Providers: A cross-sectional analysis	10.47203/IJCH.2024.v36i05.010
27	Impact of stakeholder involvement in continuous quality improvement in Indian higher education institutions	10.4018/979-8-3693-1698-6.ch021
28	Conversational artificial intelligence at industrial internet of things	10.1002/9781394200801.ch11
29	Challenges faced by medical faculty in implementation of competency-based medical education and lessons learned	10.4103/jehp.jehp_892_23
30	Appropriate Hand Drying - The Missed Step of Hand Hygiene: A Qualitative Evaluation of Hand Drying Practices among Indian Health Care Workers	10.4103/ijcm.ijcm_667_22

31	Global Trends in the Prevalence of Alcohol Consumption Among School-Going Adolescents Aged 12–15 Years	10.1016/j.jadohealth.2023.10.007
32	Primary Pelvic Hydatid Cyst in Adolescent Female	10.4103/jiaps.jiaps_96_23
33	AI-Enhanced Dyscalculia Screening: A Survey of Methods and Applications for Children	10.3390/diagnostics14131441
34	Helicobacter pylori and Epstein-Barr virus infection in cell polarity alterations	10.1007/s12223-023-01091-7
35	Motivating tomorrow's blood donors: Impact of college-driven blood grouping initiatives	10.1016/j.tracli.2024.06.010
36	The Imperative for a Paradigm Shift in India's Healthcare Workforce	10.1177/09727531241271428
37	Influence of Medical Practitioners' Attitude on the Prescription Behaviour for Generic Medicines	10.1177/09720634231225015
38	Modern Salient Object Detection in Image: Methods and Measures	10.1109/HISET61796.2024.00050
39	An insight into the application of nanotechnology in biomedical sciences: Exploration of biomedical sciences with relation to nanotechnology	10.4018/979-8-3693-0448-8.ch001

40	Methods for Categorizing Data Mining Outputs: A Review	10.1109/HISET61796.2024.00049
41	HR 1.0 to HR 4.0: The AI-powered HR revolution	10.4018/979-8-3693-9631-5.ch012
42	Evaluating global accreditation standards for higher education	10.4018/979-8-3693-1698-6
43	Holistic Approaches for Sleep Pattern Enhancement Using AI and Yoga Therapy: A Comprehensive Scientific Approach	10.1002/9781394272266.ch7
44	Handbook of oncobiology: From basic to clinical sciences	10.1007/978-981-99-6263-1
45	Skimming Videos: A Survey on Deep Learning	10.1109/HISET61796.2024.00064
46	Smart Blind Stick Data Logging: Enhancing Safety and Accessibility	10.1109/HISET61796.2024.00060
47	A Novel Deep Learning Based Gender Classification, Expression Recognition and Emoticon Generation	10.1109/IC2PCT60090.2024.10486512

48	Potential Impacts of Online-Based Learning 2.0 and Certification on Employability	10.1007/978-981-97-3810-6_2
49	A Novel Approach of Clustering Using Diverse Transfer Learning	10.1109/PDGC64653.2024.10984240
50	Editorial: Health literacy and disease prevention, volume II	10.3389/fpubh.2024.1369146
51	Deep Learning Real Time Class Monitoring System using Artificial Intelligence Vision	10.1109/GlobalAISummit62156.2024.10947982
52	Laminar Architecture and Morphometry of Developing Human Fetal Cerebellum	10.4103/NJCA.NJCA_114_24
53	Development of Articulation Test in Garhwali Language: A Preliminary Study	10.5005/jp-journals-10003-1500
54	Revolutionizing Communication: The Dynamic Shift with 5G Technology	10.1109/HISET61796.2024.00059

Swami Rama Himalayan University

NAAC A+

SUSTAINABLE DEVELOPMENT GOALS

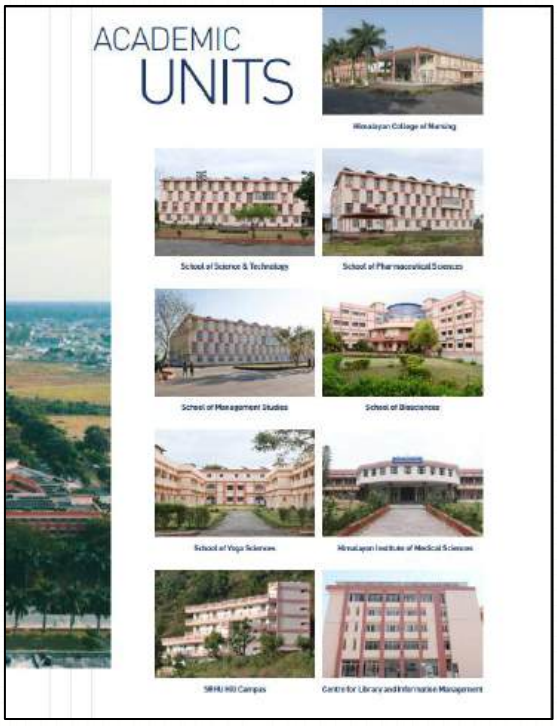
SUSTAINABLE DEVELOPMENT GOALS



QUALITY EDUCATION

srhu.edu.in

Swami Rama Himalayan University (SRHU) stands out in the higher education landscape for offering an exceptional breadth of academic disciplines within a single integrated campus. The University houses medical and allied health sciences, biosciences, yoga sciences, management, engineering, pharmacy, and nursing alongside other specialized programmes.
This diversity fosters true interdisciplinary learning—medical students can collaborate with engineers on health technology solutions, biosciences students can work with management scholars on biotech entrepreneurship, and yoga science students can partner with public health teams for preventive healthcare models. Such cross-disciplinary engagement enriches teaching, research, and problem-solving capacity.
By integrating professional education with liberal and applied sciences, SRHU not only prepares graduates for sector-specific excellence but also equips them with the adaptability, critical thinking, and collaborative skills needed to address complex societal challenges—central to the spirit of SDG 4: Quality Education.



2. Curriculum Framework and Academic Alignment

The University ensures that all academic programmes are structured in accordance with nationally recognised curriculum frameworks and statutory guidelines, thereby maintaining academic rigour, regulatory compliance, and relevance to professional standards.

- **Medical and Nursing Education**: The curricula for medical and nursing programmes are meticulously designed and implemented in strict adherence to the National

Medical Commission (NMC) and other relevant statutory council guidelines. This includes the adoption of Competency-Based Medical Education (CBME) principles, structured clinical exposure, and skill-based training to meet national standards for healthcare education.

- **Other Academic Units**: Academic programmes offered by other constituent units of SRHU operate under either the Choice-Based Credit System (CBCS) or the National Education Policy (NEP 2020) framework. These models promote flexibility, multidisciplinary learning, outcome-based education, and employability-oriented skill integration, enabling students to tailor their learning pathways to career aspirations and emerging industry needs.

This dual approach—regulatory compliance in professional programmes and flexibility in general and technical education—ensures that SRHU graduates are academically competent, industry-ready, and aligned with the objectives of SDG 4 – Quality Education.

3. Supplementary Learning Opportunities through Digital Platforms

In addition to state-of-the-art physical facilities, the institution promotes self-paced, flexible, and inclusive learning through nationally and globally recognized digital platforms, ensuring students have access to cutting-edge knowledge across disciplines.

Key Initiatives:

- SWAYAM – Students enroll in the Ministry of Education's *SWAYAM* MOOCs to access free, high-quality courses from top Indian institutions.
- NPTEL (National Programme on Technology Enhanced Learning) – Learners undertake online certifications in advanced subjects, blending them with classroom learning for deeper conceptual mastery.
- Other Global MOOCs – Encouragement and credit recognition for courses from platforms like Coursera, edX, and other international providers.
- Integration into Curriculum – Selected MOOCs are mapped to elective credits and co-curricular requirements, fostering independent learning habits.
- Skill Diversification – Students use these platforms to enhance technical, research, and soft skills alongside their formal degree programs.



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to

NANDINI

for successfully completing the course

Genome Editing and Engineering

with a consolidated score of 56 %

Online Assignments	24.06/25	Proctored Exam	32.25/75

Total number of candidates certified in this course: 559

Jul-Oct 2024

(12 week course)

Prof. T. V. Bharat

Indian Institute of Technology Guwahati

Roll No: NPTEL24BT71S850300146 To verify the certificate No. of credits recommended: 3 or 4

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to

ANTRIKSH CHAUHAN

for successfully completing the course

Introduction to Marketing Essentials

with a consolidated score of 51 %

Online Assignments	20.94/25	Proctored Exam	30/75

Total number of candidates certified in this course: 742

Prof. Kaushik Ghosh,

Jul-Oct 2024

(12 week course)

Prof. Ranjana Pathania,

Indian Institute of Technology Roorkee

Roll No: NPTEL24MG103S850300258 To verify the certificate No. of credits recommended: 3 or 4

SRHU students successfully completing NPTEL courses as part of continuous learning and skill enhancement

4. SRHU Library and Digital Learning Resources

The SRHU Library System offers extensive access to e-resources, including over 2,500 health science journals via Science Direct, Ovid, MEDLINE, Lippincott Procedures, UpToDate, BMJ, Oxford University Press, Wiley, Taylor & Francis, and specialized databases such as Scopus, IEEE CSDL, and DELNET. These resources are accessible on-campus via IP authentication and remotely through the Knimbus portal, ensuring uninterrupted academic support for students and faculty. The library also supports open-access resources such as the National Digital Library of India (NDLI) and SWAYAM, facilitating additional learning opportunities. SRHU encourages students to leverage these platforms for e-books, journals, case studies, and

research materials, fostering self-directed learning, critical thinking, and professional growth. This comprehensive infrastructure, combined with guidance on responsible use, enables the university to deliver high-quality education aligned with SDG 4, preparing students to excel in research, clinical practice, and innovation (For more information).

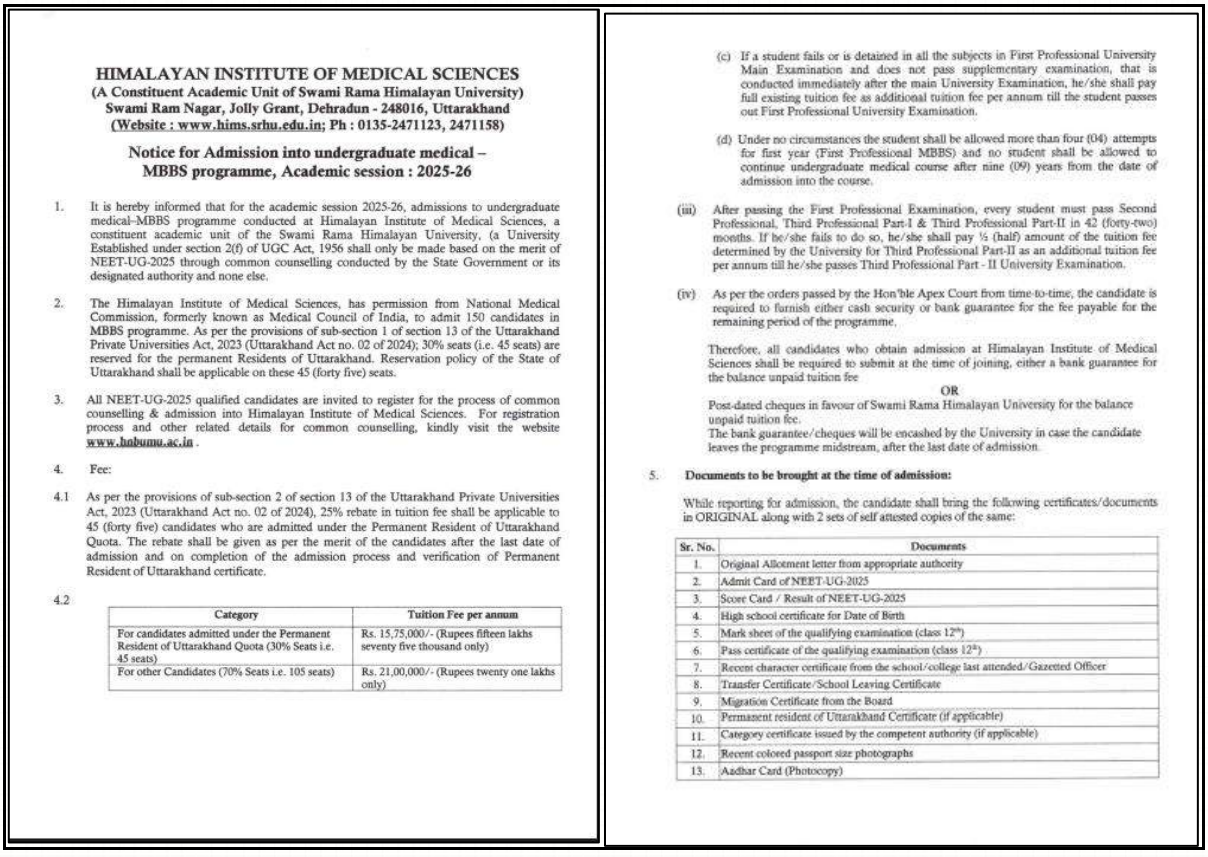


Central Library at Swami Rama Himalayan University – A Hub for Academic Excellence and E-Resources Access

5. Open Access to Admission Information

SRHU publishes comprehensive admission notices, programme intake details (Click here), and eligibility criteria for all undergraduate, postgraduate, medical, nursing, and allied health programmes on its official portal (Click here). For 2024–25, these disclosures include detailed timelines, seat availability, admission procedures, and required documentation. This practice promotes fairness, transparency, and accountability in the selection process, ensuring that all prospective applicants have equal access to critical information.





HIMALAYAN INSTITUTE OF MEDICAL SCIENCES
(A Constituent Academic Unit of Swami Rama Himalayan University)
Swami Ram Nagar, Jolly Grant, Dehradun - 248016, Uttarakhand
(Website : www.hims.srhu.edu.in; Ph : 0135-2471123, 2471158)

Notice for Admission into undergraduate medical – MBBS programme, Academic session : 2025-26

1. It is hereby informed that for the academic session 2025-26, admissions to undergraduate medical-MBBS programme conducted at Himalayan Institute of Medical Sciences, a constituent academic unit of the Swami Rama Himalayan University, (a University Established under section 2(f) of UGC Act, 1956 shall only be made based on the merit of NEET-UG-2025 through common counselling conducted by the State Government or its designated authority and none else.

2. The Himalayan Institute of Medical Sciences, has permission from National Medical Commission, formerly known as Medical Council of India, to admit 150 candidates in MBBS programme. As per the provisions of sub-section 1 of section 13 of the Uttarakhand Private Universities Act, 2023 (Uttarakhand Act no. 02 of 2024); 30% seats (i.e. 45 seats) are reserved for the permanent Residents of Uttarakhand. Reservation policy of the State of Uttarakhand shall be applicable on these 45 (forty five) seats.

3. All NEET-UG-2025 qualified candidates are invited to register for the process of common counselling & admission into Himalayan Institute of Medical Sciences. For registration process and other related details for common counselling, kindly visit the website www.hnbumu.ac.in .

4. Fee:

4.1 As per the provisions of sub-section 2 of section 13 of the Uttarakhand Private Universities Act, 2023 (Uttarakhand Act no. 02 of 2024), 25% rebate in tuition fee shall be applicable to 45 (forty five) candidates who are admitted under the Permanent Resident of Uttarakhand Quota. The rebate shall be given as per the merit of the candidates after the last date of admission and on completion of the admission process and verification of Permanent Resident of Uttarakhand certificate.

4.2

Category	Tuition Fee per annum
For candidates admitted under the Permanent Resident of Uttarakhand Quota (30% Seats i.e. 45 seats)	Rs. 15,75,000/- (Rupees fifteen lakhs seventy five thousand only)
For other Candidates (70% Seats i.e. 105 seats)	Rs. 21,00,000/- (Rupees twenty one lakhs only)

(c) If a student fails or is detained in all the subjects in First Professional University Main Examination and does not pass supplementary examination, that is conducted immediately after the main University Examination, he/she shall pay full existing tuition fee as additional tuition fee per annum till the student passes out First Professional University Examination.

(d) Under no circumstances the student shall be allowed more than four (04) attempts for first year (First Professional MBBS) and no student shall be allowed to continue undergraduate medical course after nine (09) years from the date of admission into the course.

(iii) After passing the First Professional Examination, every student must pass Second Professional, Third Professional Part-I & Third Professional Part-II in 42 (forty-two) months. If he/she fails to do so, he/she shall pay ½ (half) amount of the tuition fee determined by the University for Third Professional Part-II as an additional tuition fee per annum till he/she passes Third Professional Part - II University Examination.

(iv) As per the orders passed by the Hon'ble Apex Court from time-to-time, the candidate is required to furnish either cash security or bank guarantee for the fee payable for the remaining period of the programme.

Therefore, all candidates who obtain admission at Himalayan Institute of Medical Sciences shall be required to submit at the time of joining, either a bank guarantee for the balance unpaid tuition fee

OR

Post-dated cheques in favour of Swami Rama Himalayan University for the balance unpaid tuition fee.
The bank guarantee/cheques will be encashed by the University in case the candidate leaves the programme midstream, after the last date of admission.

5. **Documents to be brought at the time of admission:**

While reporting for admission, the candidate shall bring the following certificates/documents in ORIGINAL along with 2 sets of self attested copies of the same:

Sr. No.	Documents
1.	Original Allotment letter from appropriate authority
2.	Admit Card of NEET-UG-2025
3.	Score Card / Result of NEET-UG-2025
4.	High school certificate for Date of Birth
5.	Mark sheet of the qualifying examination (class 12th)
6.	Pass certificate of the qualifying examination (class 12th)
7.	Recent character certificate from the school/college last attended/Gazetted Officer
8.	Transfer Certificate/School Leaving Certificate
9.	Migration Certificate from the Board
10.	Permanent resident of Uttarakhand Certificate (if applicable)
11.	Category certificate issued by the competent authority (if applicable)
12.	Recent colored passport size photographs
13.	Aadhar Card (Photocopy)

Latest Admission Updates — Official SRHU Admission Notices

6. Financial Aid and Scholarships

Swami Rama Himalayan University (SRHU) upholds a strong commitment to equitable access to quality education through its comprehensive Scholarships and Fee Concession Policy,

which is publicly available on the University's website (Click Here). The policy, updated annually, ensures transparency, inclusivity, and fairness in financial aid distribution, and applies to all programmes (except medical) offered under its constituent colleges and schools. For each academic year, the number of scholarships available for each programme and categories is officially notified through an Office Order and published on the SRHU portal (Click Here).

6.1 Merit Scholarships

Awarded to students based on marks in the last qualifying examination:

- Undergraduate Programmes:
  - ≥90%: 100% tuition fee waiver (distributed over programme duration).
  - 80%–89.99%: 75% tuition fee waiver.
  - 70%–79.99%: 50% tuition fee waiver.

- Postgraduate Programmes:
  - ≥90%: 50% tuition fee waiver.
  - 80%–89.99%: 40% tuition fee waiver.
  - 70%–79.99%: 30% tuition fee waiver.

6.2 Merit-cum-Means Scholarships

- For students with annual family income ≤ ₹5,00,000 and ≥70% marks.
- 50% tuition fee concession in the first year.
- Renewable annually subject to ≥70% marks and ≥80% attendance.

6.3 Special Scholarships

Applicable to:

- Transgender students.
- Differently-abled students.
- Wards of Armed Forces/Para Military/Police personnel (below Non-Commissioned Officer rank, serving or retired).

Benefits:

- UG: 100% tuition fee waiver.
- PG: 50% tuition fee waiver.
- Continuation subject to ≥80% marks and ≥80% attendance each semester.

6.4 Fee Concessions

- Female candidates: 25% tuition fee concession for the first year.
- SRHU Alumni progressing to a higher degree: 25% concession in first-year tuition fees.

- Wards of SRHU employees: 25% concession in first-year tuition fees (one child, after three years of service).

6.5 Free-ship for Orphans

- One eligible student per academic programme receives a full tuition fee waiver on a first-come, first-served basis.

By maintaining a structured, publicly disclosed, and equitable financial aid framework, SRHU removes financial barriers for deserving students, particularly those from economically weaker sections and underrepresented groups. These measures promote diversity, enhance access to higher education, and directly advance the targets of SDG 4 – Quality Education.

7. State-of-the-Art Facilities for Quality Education

7.1 Clinical Trial Center

Mission & Objectives:

- Conduct scientifically rigorous and ethically sound clinical trials.
- Promote national and international multi-centre collaborations.
- Provide hands-on training and capacity building in clinical research.
- Support both investigator- and sponsor-initiated research projects.

Key Educational Initiatives:

- Workshops & Seminars:
    - Bioethics Workshop sponsored by Department of Health Research, MoHFW
    - International Clinical Trials Day (2024 & 2025) with Good Clinical Practice workshops
    - International Symposium on Biology and Medicine in the AI Era with hands-on training in data mining, statistics, and AI/ML tools in biomedicine
- Research Output: 8 Publications | 12 Research Projects



NEWS POST

Tuesday, 2 September 2025

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Hi-tech centre for clinical trials opens at Himalayan Hospital

By newspost - October 12, 2022

Tweet

Inaugural session of the Clinic

Dateline Dehradun: Clinical trials are an intrinsic part of top quality, contemporary healthcare facility, and constitute a significant step in developing new treatments to improve human health.

At Himalayan Hospital, Jolly Grant the stage has been set for clinical trials covering a rage of diseases and conditions.

Formally inaugurated in the presence of experts, faculty, students and invited guests, the centre has been established to conduct clinical trial studies for the development of new drugs.

The visited team

Vice Chancellor Swami Rama Himalayan University, Dr Vijay Dhasmana inaugurated the centre.

Clinical trials in India refer, to clinical research in which researchers test drugs and other treatments on research participants. As per rules of Government agencies (NDCTR 2019 and ICMR guidelines) it is recommended that all researchers conducting a clinical trial must publicly document it in the Clinical Trials Registry – India.

Inauguration of the SRHU Clinical Trial Center – A milestone in fostering world-class clinical research and innovation



SRHU Clinical Trial Centre – Advancing ethical, evidence-based research and fostering excellence in clinical studies

7.2 Skills and Simulation Center of Excellence Lab

Mission & Objectives:

- Develop clinical competencies to enhance patient safety & quality of care.
- Promote inter-professional collaboration, integrating training with curriculum & assessment.
- Conduct faculty development programs, live practical projects, and educational research on simulation's impact.

Key Educational Programs:

- Certified Training:
    - American Heart Association (AHA) – BLS, ACLS, Heart Saver, PALS
    - In-house – BLS, ACLS, PALS, CPR & First Aid, Neonatal Resuscitation Program
- Workshops & FDPs:
    - Mechanical Ventilation "Venti-2024"
    - "Safe Infusion Practices" IV Canalization
    - Virtual Reality in Health Care Education (Faculty Development Program)
    - Crisiscardio Workshop, Neopocus Workshop, Healthcare Simulation Training of Trainers (multiple editions)
    - Orientation & continuing education programs for medical PG students, neonatal care, and maternal health
- Research Output: 2 Publications





Students Teaching Activities at Skill and Simulation Center SRHU

7.3 Centre of Excellence (AI, IoT, Cybersecurity)

Mission & Objectives:

- Develop innovative AI, IoT, and cybersecurity solutions for real-world challenges.
- Foster joint research initiatives with industry and academia.
- Provide practical workshops, live projects, and certification programs to develop industry-ready skills.

Key Educational Initiatives:

- National Workshop: *Exploring AI using IBM Watson*
- National Seminar: *Beyond the Emerging Technologies – AI in Focus*
- Research Output: 2 Publications | 6 Patents Published

7.4 Cancer Biology and Immunology

Mission & Objectives:

- Research in molecular cancer mechanisms, tumour immunology, biomarkers, and therapeutic innovation.
- Translate research into practical healthcare applications.

- Provide community engagement and training opportunities.

Key Educational Initiatives:

- Workshop: *Modern Biology – Advanced Molecular Tools for Healthcare*
- Research Funding: Secured 2 extramural projects in molecular healthcare and preclinical studies.



Cancer Biology and Immunology Laboratory at SRHU – Equipped with advanced instrumentation, enabling cutting-edge research and hands-on training in cancer mechanisms, immunology, and translational healthcare

8. Faculty Development for Continuous Quality Improvement

At SRHU, Faculty Development Programs (FDPs) are an integral part to delivering quality education. These programs, conducted both in-house and through national platforms such as SWAYAM and NPTEL, enable faculty members to continuously upgrade their knowledge, refine their pedagogical skills, and stay abreast of emerging trends in their respective fields. By participating in workshops, seminars, and training modules — spanning areas from advanced healthcare simulation and virtual reality in education to artificial intelligence and ethical research practices — faculty are better equipped to integrate innovative teaching methodologies into the curriculum. This ongoing professional development ensures that SRHU educators remain at the forefront of academic excellence, thereby enriching the learning experience for all students.





Faculty Development Program (FDP) Participation Certificates – Enhancing Teaching and Professional Skills

9. Mentor–Mentee Programme

The Mentor–Mentee Programme at Swami Rama Himalayan University (SRHU) is a dynamic, engaging, and structured initiative aimed at enhancing both the academic and personal development of students. It connects each student (mentee) with an experienced mentor—drawn from the faculty, alumni network, or senior students—who provides personalised guidance, encouragement, and career-oriented advice (Guidelines for Mentoring Program)

Key Features and Benefits

1. **Personalised Academic Guidance**
    - Mentors offer tailored support on subject-specific queries, goal setting, time management, and study techniques.
    - Regular one-on-one or small-group interactions help mentees address academic challenges proactively. (Sample mentor Mentee Booklet)
2. **Career and Professional Development**
    - Mentors guide students on career planning, professional skill-building, internship opportunities, and placement preparedness.
    - Exposure to industry insights helps students align their learning with evolving market needs (Click here).





SRHU students engaging with HCIE mentors on career planning, professional skill development, and internship opportunities to prepare for industry and research pathways

Through this structured mentoring system, SRHU creates a supportive, inclusive learning environment that empowers students to achieve their full potential academically, professionally, and personally—directly contributing to SDG 4.4 (skills for employment and entrepreneurship) and SDG 4.7 (education for sustainable development and global citizenship).

10. Research Projects

The University has been at the forefront of advancing knowledge and fostering innovation through both intramural and extramural research projects. These projects, led by distinguished faculty and researchers, are designed not only to strengthen the academic and research ecosystem within the university but also to contribute meaningfully to societal development and sustainable progress.

By securing funding from premier national agencies such as the Department of Health Research, Ministry of Health and Family Welfare, Indian Council of Medical Research (ICMR), and National Mission on Himalayan Studies (NMHS), SRHU has enabled cutting-edge studies across diverse disciplines including health sciences, environmental sustainability, molecular biology, and clinical research. Collaborative projects with government bodies and private organizations further enhance applied research outcomes that directly impact communities, healthcare systems, and the Himalayan ecosystem.

These initiatives align closely with Sustainable Development Goal 4 (Quality Education) by promoting a culture of scientific inquiry, providing hands-on training for students and researchers, and building institutional capacity for high-quality education and research. The

projects support skill development, encourage interdisciplinary learning, and foster a knowledge-driven environment where students and faculty can contribute to global scientific advancements while addressing local and national challenges.

Summary for Research Projects at SRHU (2024-2025):

- Total Number of Intramural Projects**: 55** Total Amount Awarded: **₹4,908,242.00**
- Total Number of Extramural Projects: **7** Total Amount Awarded**: ₹28,258,000.00**

List of Intramural Projects Sanctioned at SRHU (2024-2025)

Name of the faculty investigator (s)	Title of the project	Date of sanction	Amount of Seed Funding awarded (in INR)	Evidence link:
Dr Mukesh Prasad, Dr Satish Uniyal	A systematic study of the vertical distribution of radionuclides in soil profiles of neutral and vegetation lands in Doon valley, Garhwal Himalaya, India	13-May-25	1,20,000.00	Click here for proof
Dr. Priyank Purohit	Synthesis of Hybrid NO releasing "V-shaped" probable anti-cancer agent, through modification of natural anti-tumor sulfated polysaccharide	12-April-25	450,000.00	Click here for proof
Dr. Ujwal Nautiyal	Exploring the influence of maternal obesity on the health status of new-borns and mothers	16-April-25	45,000.00	Click here for proof
Abhishek Chandola	Effect on mental health of students after joining new courses post 12th exams	16-April-25	30,000.00	Click here for proof
Dr. Ujwal Nautiyal	The impact of social media on mental health of students	16-April-25	30,000.00	Click here for proof

Arvind Farswan	Optimizing Drug Information and Prescription Patterns for Type-2 Diabetes Mellitus with Co-existing Hypertension: Advancing Rational Drug Use and Pharmacy Education	16-April-25	48,000.00	Click here for proof
Dr. Raghav Dixit	Formulation and evaluation of Triphala tablets by using different Millets Starch found in Uttarakhand as binding agent for the treatment of Diabetes	10-April-25	250,000.00	Click here for proof
Dr. Kamli Prakash, Professor, Adult Health Nursing, HCN	Knowledge attitude and belief of nurses regarding antimicrobials use and prevention of antimicrobials resistance	7-Jan-25	10,000.00	Click here for proof
Dr. Grace Madonna Singh, Professor, Mental Health Nursing, HCN	Prevalence and determinants of stress and anxiety among primary caregivers of substance use disorder patients in a view to develop a Nurse Led Intervention on anxiety and stress management in selected hospital of Dehradun, Uttarakhand.	7-Jan-25	56,000.00	Click here for proof
Mrs. Priya JP Narayan, Asst. Prof.	A study on the awareness, attitude, and practice of junk food consumption among young adults in Uttarakhand, India.	29-Mar-25	40,000.00	Click here for proof

Dr. Harleen Kaur, Professor & HoD, Nursing Foundation, HCN Co-PI: Ms. Shivangi Hemdan, Tutor, Nursing Foundation, HCN	Effect of An Awareness program on Cyberbullying and their coping skills among Adolescent in selected Schools of Dehradun, Uttarakhand	29-Mar-25	70,000.00	Click here for proof
Dr. Anupama Sharma, Assistant Professor, Obstetrics & Gynecological Nursing, HCN	Effectiveness of Continuing Nursing Education Programme on application of Safe delivery app (SDA) among Nursing Professionals at Selected college and Hospital Dehradun, Uttarakhand"	29-Mar-25	29,000.00	Click here for proof
Dr. Kanchan Bala, Associate Professor, Obstetrics & Gynecological Nursing, HCN CO-PI: Dr. Ruchira Nautiyal, Professor, HIMS	Effectiveness of Awareness Programme on Self-Collection Sampling for HPV-DNA Testing in terms of Awareness and Attitude among adult women in a selected community of Dehradun: A mixed method	29-Mar-25	75,000.00	Click here for proof
Ms. Nitika Bhatt, Assistant Professor,	Effectiveness of family centered care approach on quality of life & self-efficacy of autistic child	29-Mar-25	70,000.00	Click here for proof

Mental Health Nursing, HCN	caregivers in selected areas of Uttarakhand			
Dr.Vandana Chauhan, Associate Professor	A study on health risk and self-esteem of obese adolescents in selected schools of Dehradun, Uttarakhand.	1-May-2025	70,000.00	Click here for proof
Dr. Kanchan Bala, Associate Professor, Obstetrics & Gynecological Nursing, HCN	A study to assess the prevalence, risk factors and awareness regarding Pregnancy Induced Hypertension (PIH) with a view to develop nurse led intervention among antenatal women visiting Gynae OPD in a selected hospital, Dehradun, Uttarakhand.	1-May-2025	21,000.00	Click here for proof
Dr. Grace Madonna Singh, Professor, Mental Health Nursing, HCN Co-PI- Ms. Heena Negi, Tutor, Mental Health Nursing, HCN	Effect of Health Promotion intervention on Physiological and Psychological well-being of elderly people	1-May-2025	47,000.00	Click here for proof
Dr. Harleen Kaur, Professor &	Effects of an Awareness Program on knowledge and practice regarding	1-May-2025	60,000.00	Click here for proof

HoD, Nursing Foundation, HCN Co-PI- Ms. Varsha Rawat, Tutor, Nursing Foundation, HCN	menstrual hygiene among adolescent girls in selected Government Schools of Dehradun, Uttarakhand			
Ms. Neelam Danu	Response of Women on Health Care Services in Uttarakhand Hills: A Study from Tehri District of Uttarakhand, India	1-May-2025	114,000.00	Click here for proof
Dr. Vibhor Sharma, Dr. Deepak Srivastav	Smart Hand	29-Sep-2024	150,000.00	Click here for proof
Dr. Anita Sharma Professor	Gap analysis in quality assurance programme in Biochemistry section of ISO15189 accredited laboratory in tertiary health care	19-Sep-2024	30,000.00	Click here for proof
Dr. Neha Verma, Assistant Professor, Community Medicine	Assessing the quality of life and job satisfaction of auxiliary staff working at tertiary care hospital in Dehradun, Uttarakhand	27-Jul-2024	2,500.00	Click here for proof
Dr. Mahima Luthra, Assistant Professor (ENT)	To study the association of inflammatory markers with histopathological differentiation in squamous cell carcinoma of larynx and pharynx	16-May-2024	3,000.00	Click here for proof

Manish Raturi, Associate Professor	Correlating the Saliva Secretor Status with the Lewis Phenotype of the Blood Donors	13-May-2024	21,000.00	Click here for proof
Dr. Nupur Koul Assistant Professor	Elaboration of durg resistance mechanisms and molecular charachterization of Carbapenem-reistant Enterobacterales (CRE) and Carbapenem resistant Pseudomonas aeruginosa (CRPA) in ICU settings of a tertiary care center of Uttarakhand	4-Aug-2024	22,33,210	Click here for proof
Dr. Arpana Singh Assistant Professor	In-Vitro activity of ceftaroline(fifth generation cephalosporin) against Methicillin resistant Staphylococcus aureus (MRSA) isolate from various clinical samples in the tertiary care hospital, Dehradun: A pilot study	1-Mar-2025	20,000.00	Click here for proof
Dr. Arpana Singh Assistant Professor	Utilization of direct suceptibility testing method by Vitek-2 from positively flagged blood culture botle for Gram negative bacilli in bacteremia patients	1-Mar-2025	69,900.00	Click here for proof
Dr. Praveen Rikhari, Assistant Professor	“Navigating sensorium: Lemborexant vs. Melatonin vs. Placebo for management of delirium – a hospital-based, single-centre,	27-Dec-2024	75,232.00	Click here for proof

	parallel, double blinded, randomized controlled trial."			
Dr. (Brig) RS Saini Dr Vinish K Agarwal, Mr. Vaibhav Badoni, Dr. Himadri Mamgain	A cross-sectional study to assess the awareness of hospital emergency codes among clinical and non-clinical workers of tertiary care hospital	2025	2,600.00	Click here for proof
Dr. Ruchira Nautiyal Dr. Smita Dimri, Dr Naveen Kumar Navani	Development of Millet-based functional food for Pregnant and Lactating Women in Uttarakhand – Phase I	2025	70,000.00	Click here for proof
Dr. Nidhi Kumar Dr Arti Rajput Dr Gurjeet Khurana	To compare the efficacy of topical administration of magnesium sulphate, dexmedetomidine and dexamethasone in post-operative sore throat in patients undergoing general anaesthesia.	2025	15,300.00	Click here for proof
Dr. Manoj Kumar Dr Rahul Gupta Dr Shahnawaz Saifi Dr Rakhee Khanduri	Shorter MDR regimen outcome in association with clinical, Hematological and smoking status-A cross sectional retrospective study in North Indian DR TB Centre.	2025	1,000.00	Click here for proof
Dr.Geeta Rana, Dr. Ravindra Sharma	Capacity Building for Agri-entrepreneurship Development for Socio-Economic Independence Leading to Entrepreneurial	14.5.2024	1,35,000	Click here for proof

	Empowerment in Uttarakhand Region			
Dr. Robin Victor Dr PriyaRanjan Avinash Dr Praveen Rikhari Dr Twinkle Sharma	Exploring the link between loneliness and various parameters of alcohol use disorder: A cross sectional study from North India	01.05.2025	6,000.00	Click here for proof
Dr. Manoj Kumar Dr Mukta Singh Dr Rakhee Khanduri Dr Kartika Sharma Dr Dhruv Gupta	Comparison of nutritional and radiological profile of acute exacerbation in COPD patients with hypercapnic respiratory failure with non – Hypercapnic respiratory failure – A Prospective observational study	01.05.2025	1,000.00	Click here for proof
Dr. Parul Jindal Dr Nirupa Ramakumar Dr Sheetal Dr Aisha	Short Term outcomes of perioperative pain management utilizing enhanced recovery versus standard protocol following paediatric urological surgery: A pilot randomised controlled study	01.05.2025	29,000.00	Click here for proof
Dr. Chinmay Chetan Dr Saikat Patra Dr Arshpuneet Kaur Sandhu	Cardiovascular Dynamics in Preterm infants undergoing Kangaroo Mother care: A prospective study	01.05.2025	75,000.00	Click here for proof
Dr. Purandhi Roopmani Dr. Ruchira Nautiyal, Dr. Vijay Kumar,	Evaluation of Human Umbilical Cord Blood derived Platelets Rich Plasma (CB-PRP) and Peripheral blood	21.01.2025	55,000.00	Click here for proof

Dr. Bharti Saklani	isolated Platelets Rich Plasma (PB-PRP) for Antimicrobial Activity			
Dr.Som Aditya Juyal & Dr.Amit Nautiyal	Managing Patient data for healthcare exellence	14.5.2024	85,000.00	Click here for proof
Dr. Ankit Sharma, Dr Somlata Jha, Dr Abha Srivastava, Dr Kiran Bhatt, Dr Deepak Dhar, Dr Ramkumar S, Ms. Anuradha Sharma	Impact of Yoga Practices on Physiological, Biochemical and Psychological parameters in young adults: A pilot study	05/10/2024	200000	Click here for proof
Dr.Somlata Jha,Dr.Nikku Yadav,Dr.Ankit Sharma,Dr.Abha Srivastava,Dr.Reshma Kaushik,Mr. Abhinav Bahuguna	Development and Assessment of Tele-Yoga Protocol for hyperthyroidism: A Randomized Controlled Trial at Himalayan Hospital, Dehradun	09/05/2025	1,88,000	Click here for proof
Dr Gourav Kumar, Dr Smita Chandra	Mutational study of lung adenocarcinoma for glycolysis metabolism by EGFR dependent RSK4	01/05/2025	200,000.00	Click here for proof
Dr Gourav Kumar, Dr Smita Chandra, Dr Rakhee	Regulation of lung adenocarcinoma glycolysis by EGFR-dependent RSK4: molecular mechanisms	01/05/2025	1,200,000.00	Click here for proof

Khanduri, Dr. Madiwalesh Chhebbi, Dr. Vikash S Jadon, Dr, Geeta Bhandari, Dr. Sanjay Gupta				
Dr. Sohaib Ahmad, Dr. Mitali Verma, Dr. Garima Mittal	A hospital based observational study of the complications and outcome of scrub typhus.	01/12/2022	5,000.00	Click here for proof
Dr Vikas Jadon, HSBS	Elite germplasm selection based on elicited gymnemic acid and antioxidant status of Gurmar (Gymnema sylvestre) using micropropagation technique	26/07/2024	900,000.00	Click here for proof
Dr Ashwani Bhatt	Epidemiological study of Dementia in Uttarakhand: A comprehensive Approach	24/07/2024	954,000.00	Click here for proof
Dr Ganesh Kumar	Cost effective synthesis and application of 2,4-Diaminobenzoic Acid and Related Precursors as versatile Building Blocks in organic chemistry: Exploring Pharmaceutical and Agricultural Potentials	17/07/2024	350,000.00	Click here for proof
Dr Vijay Kumar;	Omics based Study of drug resistant	29/07/2024	275,000.00	Click here for proof

	Acinetobacter: Unraveling molecular mechanisms and identifying therapeutic targets			
Dr Vivek Kumar	Metagenomic analysis of hospital waste water for determination of drug resistance genes	29/07/2024	265,000.00	Click here for proof
Dr Sanjay Gupta	Bamboo Tea cultivation for rural upliftment	29/07/2024	200,000.00	
Dr Nupur Joshi	Investigating the potential of Fungal Mycelium mats: comparative analysis of various Fungal species for future research	29/07/204	200,000.00	Click here for proof
Dr. Abhay Srivastava	Exploring the Multifaceted Utility of social mapping in community Medicine: A proposal for Rural Health Training Centre (RHTC)	21/01/2025	103,000.00	Click here for proof
Dr. Abhay Srivastava	Water quality assessment in a selected Urban Slum of Doiwala Block in district Dehradun	21/01/2025	145,000.00	Click here for proof
Dr. Anita Sharma	The assessment of micronutrients levels in adult experiencing depression and their correlation with severity of depressive symptoms	5/10/2024	325,000.00	Click here for proof
Dr Kanchan Bisht	Investigating Microglial Lipid Droplet Involvement in Glioblastoma	07/01/2025	1,052,000.00	Click here for proof

Dr. Amjad Husain	Predicting the concurrent chemoradiation therapy (CTRT) outcomes in localized muscle invasive bladder cancer (MIBC) patients by exploring novel biomarker in tumor samples of radioresistant patients.	12/04/2025	1,400,000.00	Click here for proof
Dr. Arti Bisht	Hydroponic technology to enhance commercial-scale productivity of Origanum vulgare from Uttarakhand, West Himalaya	07/01/2025	350,000.00	Click here for proof
Dr Vivek Kumar, HSBS	Upgrading plant microbe-based approach to enhance phytoremediation method in contaminated water body	26/02/2024	575,000.00	Click here for proof
Dr Vijay Kumar, HSBS	Omics study of non-ribosomal peptide and polyketide antifungal metabolites from actinobacteria isolated from leaf cutter ants	26/02/2024	575,000.00	Click here for proof
Dr. Kiran Bhat	Impact of Pneumatic transport system on Blood sample and laboratory turn-around time	01/05/2025	168,000.00	Click here for proof
Dr. Rambeer Ghuleliya	Study on the effect of transcutaneous electrical nerve stimulation (TENS) on pain, function, and quality of life in fibromyalgia (FM)	01/05/2025	96,000.00	Click here for proof

	patients -2-arm, parallel-group, pragmatic, randomized clinical superiority trial			
Dr Kumar Sachin	Development of a composite biopolymer based edible coat formulation for enhancing shelf-life quality of fresh farm produce in Uttarakhand	09/05/2025	114,000.00	Click here for proof
Dr Samiksha Joshi	Spent mushroom substrate as a soil amendment : Effects on soil quality and microbial communities	09/05/2025	200,000.00	Click here for proof
Dr Megha Sharma	Integrative phytochemical and transcriptome profiling of Nyctanthes arbor-tristis (Harsingar) for uncovering therapeutic potential	01/05/2025	275,000.00	Click here for proof
Dr. Nikku Yadav	Prediction of Diabetes-Induced Complications in Patients of Himalayan Hospital Dehradun, Uttarakhand: An Artificial Intelligence Approach	28/06/2025	30,000.00	Click here for proof
Dr. Nitika Agarwal	Bacterial contamination of mobile phones used by healthcare workers and guardians of patients in pediatric critical care unit: study from a tertiary hospital in Uttarakhand	14/06/2025	60,500.00	Click here for proof
Dr Yogesh Saxena	Innate Immune cells quantification as an	01/04/2023	477,500.00	Click here for proof

	index for severe Dengue using Flowcytometry"			

List of Extramural Projects Sanctioned at SRHU (2024-2025)

Name of Faculty (Principal Investigator)	Name of the Funding agency	Title of the Project	Sanctioned order no.	Sanctioned date	Total Amount Sanctioned (In Lakh)
Dr Geeta Bhandari	Department of Health Research, GOI	"Modern Biology: Advanced Molecular Tools for Healthcare: A Comprehensive Training Module"	F.No.R.12016/10/2024-HR/E-Office:8292783	25.09.2024	62.00
Dr Nikku Yadav	Department of Health Research, GOI	"Ensuring Integrity in Healthcare: Good Clinical Practice and Medical Ethics Training"	F.No.R.12016/10/2024-HR/E-Office:8292790	25.09.2024	43.00
Mr. Nitesh Kaushik, Dy. Director, WATSAN, Mr. Vivek Anand, Dy. Manager, WATSAN, Mr. Rajkumar, Asst. Manager, WATSAN, Mr. Atul Uniyal, Scientist, WATSAN, Dr Ashutosh Kumar Choudhary, Environmental Specialist, SST	State Mission For Clean Ganga, Uttarakhand	Social & Environmental Audits for STPs under Namami Gange	541/SMCG/Namami Gange/Social & Enviornmental Audit	26-Dec-24	18.38

Dr. Saloni Malik, Dr. Rakhee Khanduri, Dr. Bindu Dey, Dr. Abha Shrivasatava	Department of Health Research, Ministry of Health and Family Welfare	Assessment of Lung Function and Immune Profile in PTLD cases through PR with yogic breathing Exercises: A RCT	SUG 2025-1221	25-Jul-25	47.70
Prof. Harshpait Uniyal, Advisor, Mr. Nitesh Kaushik, Dy. Director, WATSAN, Er. Dharmendra Kumar Singh, GM (HQ), Uttarakhand Jal Sansthan, Er. Atul Uniyal, Scientist, WATSAN	National Mission on Himalayan Studies (NMHS), Ministry of Environment Forest & Climate Change (MoEFCC), Government of India	Affordable Climate-resilient Water Supply Infrastructure Prototype for Indian Himalayan Region	NMHS2024-25/SC-XIII/MG/SL-12	20-Mar-25	101
Dr Gourav Kumar, Dr. Vikash S Jadon, Dr, Geeta Bhandari, Dr. Sanjay Gupta, Dr Nupur Joshi	True Vet Pvt Ltd	Preclincial Collaborative study	SRHurmsBS/2025/18	1-Jun-25	5.50
Dr. Deepak Goel	Indian Council of Medical Research (ICMR)	Development of Hospital Based Stroke Registries (HBSR) in different regions of India under National Stroke Registry Programme	CDSCO Reg. No. ECR/1741/Inst/UK/2022 ICMR Reg. No. EC/NEW/INST/2022/UA/0152	3-Jun-24	5.00

11. Advancing Quality Education through Research

At SRHU proactive approach to research is a testament to our unwavering commitment to the ideals of Sustainable Development Goal 4 (Quality Education). Faculty members, researchers, and students across disciplines have actively engaged in projects that enhance teaching methodologies, integrate innovative technologies into learning, and strengthen professional training in diverse fields. This dedication has resulted in the publication of numerous articles in prestigious Scopus-indexed journals, underscoring the university's resolve to promote inclusive, equitable, and high-quality education. These scholarly contributions not only enrich academic discourse but also translate into impactful practices that benefit learners, educators, and communities alike.

S.N.	Publication Title	DOI
1.	The tireless journey of the resilient little red blood cell	10.1016/j.tracli.2025.01.002
2.	Prevalence and risk factors of alloimmunization in multi-transfused pediatric patients: A cross-sectional study from a sub-Himalayan tertiary care hospital in Uttarakhand India	10.1016/j.tracli.2024.10.007
3.	Designing and assessing the impact of a competency-based training program in transfusion medicine among MBBS interns	10.1016/j.tracli.2025.06.003
4.	Proteasomal Dysfunction in Cancer: Mechanistic Pathways and Targeted Therapies	10.1002/jcb.70000
5.	Exploring the Relationship Between Perceived Stress and Menstrual Health in Undergraduates Across Different Academic Disciplines	10.47203/IJCH.2025.v37i02.019
6.	Efficient tagging strategies for software resources on information repositories	10.1201/9781003561651-65
7.	The Silent Crisis: Malnutrition in Uttarakhand's Children	10.55489/njcm.160720255203
8.	The Human Side of Sustainability: Behavioural Economics in Climate Action and Neutrality	10.1007/978-3-031-83250-5_15
9.	Blood group misinformation impacting the attendant's decision-making for a timely blood transfusion to their patient: An ethical dilemma	10.1016/j.tracli.2024.12.003
10.	Understanding continuous use intention of technology among higher education teachers in emerging economy: evidence from integrated TAM, TPACK, and UTAUT model	10.1080/03075079.2024.2343955

11.	Transitioning from pediatric to adult multiple sclerosis care: Challenges, strategies and therapy	10.1177/18758894251329690
12.	Ribosomal protein S6: A Novel biomarker in the molecular era of breast cancer diagnosis and prognosis	10.18231/j.ijmmtd.2025.029
13.	High Cited Papers in Type 1 Diabetes Mellitus Immunotherapy: A Bibliometric Analysis of Global Publications During 1996-2023	10.14429/djlit.45.2.20408
14.	Correction to: Development of Multimodal Training Tool for Preterm Infant Care	10.1007/s12098-025-05423-y
15.	Pneumonia Screening From Radiology Images Using Homomorphic Transformation Filter-Based FAWT and Customized VGG-16	10.1002/ima.70093
16.	Efficacy of a 4-week yoga module on the sympatho-vagal balance among healthcare workers in a tertiary care hospital: A randomised controlled trial	10.1136/bmjsem-2024-002448
17.	Facial expression recognition using Two-Stream Convolutional Neural Networks (TSCNNs) and inception 3D Convolutional Neural Network (CNN)	10.1201/9781003561651-64
18.	Evaluation of Speech Recognition Scores in Garhwali and Hindi: A Comparative Analysis	10.4103/jdmimsu.jdmimsu_750_24
19.	Exploration of techno-functional properties and metabolomic profile of Scleroderma texense (Phutuki Mushroom): a comparative study with Agaricus bisporus (white button mushroom)	10.1007/s44187-025-00291-z
20.	Prognostic Significance and Molecular Classification of Triple Negative Breast Cancer: A Systematic Review	10.4274/ejbh.galenos.2025.2024-10-2
21.	Innovative smart biosensors for cancer theranostics: A new frontier in detection, diagnosis, and beyond	10.1016/j.ctarc.2025.100911
22.	Designing and Validating a Multimorbidity Assessment Questionnaire for a Rural Indian Community	10.47203/IJCH.2025.v37i01.028
23.	The Unforeseen Nerve: A Surgical Surprise during Thyroidectomy	10.1007/s12070-025-05781-1

24.	Navigating Risks: Exploring Sexual and Reproductive Health and Contraceptive Awareness among Adolescent Girls in in District Dehradun	10.47203/IJCH.2025.v37i01.014
25.	Development of Multimodal Training Tool for Preterm Infant Care	10.1007/s12098-024-05287-8
26.	Evaluating the influence of a psychiatry training program on nursing students' attitudes towards mentally ill	10.4103/jehp.jehp_1289_24
27.	Perceived usefulness of a blended learning approach for skills training among medical interns: a pilot study	10.1186/s12909-024-06379-x
28.	Evaluation of infant feeding knowledge and practices of mothers in rural communities of Uttarakhand India: A cross-sectional study	10.1016/j.jnn.2025.101694
29.	Born Too Soon: learning from the past to accelerate action in the next decade	10.1186/s12978-025-02044-8
30.	Nepal Publications on Covid-19: A Scientometric Analysis of Research Output, 2020-2023	
31.	Awareness about Community Management of Hyperglycemia during Pregnancy among Medical Undergraduates in Western Uttarakhand	10.47203/IJCH.2024.v36i01.017
32.	Sleep-Wake dilemma in future generation Health Care Providers: A cross-sectional analysis	10.47203/IJCH.2024.v36i05.010
33.	Impact of stakeholder involvement in continuous quality improvement in Indian higher education institutions	10.4018/979-8-3693-1698-6.ch021
34.	Conversational artificial intelligence at industrial internet of things	10.1002/9781394200801.ch11
35.	Challenges faced by medical faculty in implementation of competency-based medical education and lessons learned	10.4103/jehp.jehp_892_23
36.	Appropriate Hand Drying - The Missed Step of Hand Hygiene: A Qualitative Evaluation of Hand Drying Practices among Indian Health Care Workers	10.4103/ijcm.ijcm_667_22

37.	Global Trends in the Prevalence of Alcohol Consumption Among School-Going Adolescents Aged 12–15 Years	10.1016/j.jadohealth.2023.10.007
38.	Primary Pelvic Hydatid Cyst in Adolescent Female	10.4103/jiaps.jiaps_96_23
39.	AI-Enhanced Dyscalculia Screening: A Survey of Methods and Applications for Children	10.3390/diagnostics14131441
40.	Helicobacter pylori and Epstein-Barr virus infection in cell polarity alterations	10.1007/s12223-023-01091-7
41.	Motivating tomorrow's blood donors: Impact of college-driven blood grouping initiatives	10.1016/j.tracli.2024.06.010
42.	The Imperative for a Paradigm Shift in India's Healthcare Workforce	10.1177/09727531241271428
43.	Influence of Medical Practitioners' Attitude on the Prescription Behaviour for Generic Medicines	10.1177/09720634231225015
44.	Modern Salient Object Detection in Image: Methods and Measures	10.1109/HISET61796.2024.00050
45.	An insight into the application of nanotechnology in biomedical sciences: Exploration of biomedical sciences with relation to nanotechnology	10.4018/979-8-3693-0448-8.ch001
46.	Methods for Categorizing Data Mining Outputs: A Review	10.1109/HISET61796.2024.00049
47.	HR 1.0 to HR 4.0: The AI-powered HR revolution	10.4018/979-8-3693-9631-5.ch012
48.	Evaluating global accreditation standards for higher education	10.4018/979-8-3693-1698-6
49.	Holistic Approaches for Sleep Pattern Enhancement Using AI and Yoga Therapy: A Comprehensive Scientific Approach	10.1002/9781394272266.ch7
50.	Handbook of oncobiology: From basic to clinical sciences	10.1007/978-981-99-6263-1
51.	Skimming Videos: A Survey on Deep Learning	10.1109/HISET61796.2024.00064
52.	Smart Blind Stick Data Logging: Enhancing Safety and Accessibility	10.1109/HISET61796.2024.00060
53.	A Novel Deep Learning Based Gender Classification, Expression Recognition and Emoticon Generation	10.1109/IC2PCT60090.2024.10486512

54.	Potential Impacts of Online-Based Learning 2.0 and Certification on Employability	10.1007/978-981-97-3810-6_2
55.	A Novel Approach of Clustering Using Diverse Transfer Learning	10.1109/PDGC64653.2024.10984240
56.	Editorial: Health literacy and disease prevention, volume II	10.3389/fpubh.2024.1369146
57.	Deep Learning Real Time Class Monitoring System using Artificial Intelligence Vision	10.1109/GlobalAISummit62156.2024.10947982
58.	Laminar Architecture and Morphometry of Developing Human Fetal Cerebellum	10.4103/NJCA.NJCA_114_24
59.	Development of Articulation Test in Garhwali Language: A Preliminary Study	10.5005/jp-journals-10003-1500
60.	Revolutionizing Communication: The Dynamic Shift with 5G Technology	10.1109/HISET61796.2024.00059

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SUSTAINABLE DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS



GENDER EQUALITY

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1 Gender Sensitization Programs

To cultivate a culture of inclusivity and gender sensitivity across its ecosystem, SRHU regularly conducts targeted sensitization sessions for students, faculty, and newly inducted staff. These sessions aim to raise awareness on gender-based discrimination, promote respect and equity, and reinforce the University's commitment to a safe and inclusive environment.

1.1 Student Sensitization

In the academic year 2024–25, the University organized 24 dedicated sensitization sessions for undergraduate and postgraduate students across various academic units. These interactive workshops covered topics such as gender roles, prevention of sexual harassment (POSH), respectful communication, and understanding of institutional redressal mechanisms.

No. of sessions (2024-2025): 07

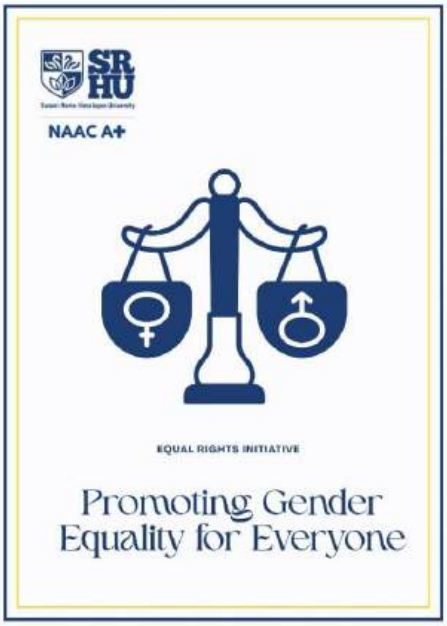
Total beneficiaries: 322

1.2 Faculty, Staff Induction & Sensitization

All newly joined staff including faculty, administrative and technical personnel participates in gender sensitization sessions conducted as part of their on-boarding process. Topics included workplace behaviour, gender respect, and POSH compliance.

No. of sessions (2024-2025): 17

Total beneficiaries: 543



Sample Report (Students)

Session on Gender Sensitization for MBBS Second Prof. students (Batch 2024)

Date: 23.10.2024 **Time: 9:00-10:00 AM**

Notice

HIMALAYAN INSTITUTE OF MEDICAL SCIENCES
OFFICE OF THE PRINCIPAL

Date: 04th October, 2024
HIMS/2024/ 2470 (A)

NOTICE FOR MBBS STUDENTS

MBBS Second Prof. Students (Batch–2024) are required to attend the session being organized by HIMS on **"Gender Sensitization"** on **23/10/2024 from 09:00 to 10:00 am** in Lecture Theatre–1 (Medical College). It is mandatory for all the students to attend the session.

Dr. Anuradha Kusum
Vice Principal
(UG Medical Programmes)
HIMS, SRHU
Jolly Grant, Dehradun-248016

Vice Principal (UG Medical Programme)

Copy to : The Principal, HIMS
: Dr. Alpa Gupta – Dept. of Pediatrics

Report

Dr Alpa Gupta, Professor at the Himalayan Institute of Medical Sciences, SRHU, conducted a gender sensitization session for 129 MBBS students. This session aimed to enhance the students' understanding of gender issues, promote gender equality, and discuss the impact of gender bias in healthcare settings. Dr Gupta, utilized a combination of lecture, multimedia presentation, case studies, and interactive activities to engage the students and provide a comprehensive overview of the topic. The session covered several key topics, including the importance of gender sensitization, common gender stereotypes, and their impacts, as well as examples of gender bias in medical treatment. Through group discussions, role-playing exercises, and practical tools, students were equipped with strategies to identify and address gender bias in their future professional practice. These activities allowed students to share personal experiences and learn effective communication techniques for fostering an inclusive healthcare environment.

No. of participants: 129





Session on Gender Sensitization for 129 student of MBBS Second Prof. (Batch 2024), facilitated by Dr Alpa Gupt

Attendance

ATTENDANCE SHEET FOR MBBS FIRST PROF.

FOUNDATION COURSE

Date : 23/10/2024 (9-10am) Session : Gender sensitization

S. No.	Name	F / M	Father's Name	Signature of student
1.	Aaditya Singh Kathait	Male	Vijay Singh Kathait	
2.	Aarushi Rai	Female	Daleep Singh Rai	
3.	Abhinav Tiwari	Male	Sandeep Kumar Tiwari	
4.	Abhishek Sharma	Male	Virender	
5.	Ada Fatima	Female	Sabir Ahmed	
6.	Aditi Devrani	Female	Prakash Devrani	
7.	Aditi Negi	Female	Mahipal Singh Negi	
8.	Aditi Priya Prasad	Female	Arun Kumar Prasad	
9.	Aditi Shah	Female	Bikram Chand Shah	
10.	Aditya Garg	Male	Vishal Garg	
11.	Aditya Prasad	Male	Ajoy Prasad	
12.	Aditya Sehgal	Male	Nishant Sehgal	
13.	Akshit Kumar	Male	Manoj Kumar	
14.	Amaan Abdullah	Male	Abdul Sattar	
15.	Amolika Katoch	Female	Ajay Katoch	
16.	Ananya	Female	Digvijay Gaurav	
17.	Anirudh Vij	Male	Dr Aman Vij	
18.	Anshika Jindal	Female	Rajeev Kumar Jindal	
19.	Anusha Jain	Female	Sachin Jain	

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20.	Anvi Arya	Female	Ajay Kumar Arya	
21.	Aryaveer Dahiya	Male	Pervinder Singh Dahiya	
22.	Aviral Srivastava	Male	Pankaj Srivastava	
23.	Ayush Singh	Male	Rakesh Singh	
24.	Bhargavi	Female	Deen Dayal Singh	
25.	Bhavika Grover	Female	Dhiraj Grover	
26.	Chahat	Female	Vinod Kumar	
27.	Chetan Bhatt	Male	Dinesh Bhatt	
28.	Chitranshi Bansal	Female	Sanjay Bansal	
29.	Daksh	Male	Yogesh Goyal	
30.	Daksh Modi	Male	Kishan Lal Modi	
31.	Darsh Gupta	Male	Gurudutt Gupta	
32.	Deepika Mahar	Female	Laxman Singh Mahar	
33.	Dharmishtha Malhan	Female	Yogesh Malhan	
34.	Divya Baliyan	Male	Harsh Vardhan Arya	
35.	Dwideh Mahajan	Male	Sandeep Mahajan	
36.	Ekam Brar	Female	Harmandeep Singh Brar	
37.	Fardeen Siddiqui	Male	Mukeem Siddiqui	
38.	Gaurav Pratap Singh	Male	Narender Singh	
39.	Harshita Gupta	Female	Mahesh Kumar	
40.	Harshita Nain	Female	Naresh Kumar	
41.	Honey Jindal	Male	Satish Kumar	
42.	Ipshita Kunwar	Female	Vishal Kunwar	
43.	Ipsita Nitin Rastogi	Female	Nitin Rastogi	
44.	Ishveen Kaur Saluja	Female	Bakshish Singh Saluja	
45.	Jasmine	Female	Rajesh Chahal	

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72.	Niyati Nagyan	Female	Yatindra Nagyan	Niyati
73.	Palak Dhiman	Female	Pankaj Dhiman	Palak.
74.	Param Chauhan	Male	Parveen Kumar	Param
75.	Pihu Sharma	Female	Mahesh Chandra Sharma	
76.	Poorva Dalal	Female	Navin Dalal	
77.	Prachi Dhingra	Female	Gulshan Kumar Dhingra	Prachi
78.	Prachi Singh	Female	Pardeep Singh	Prachi Singh
79.	Pragya Goyal	Female	Late Satish Agrawal	Pragya
80.	Pragya Parimal	Female	Pranav Parimal	Pragya
81.	Pragya Rawat	Female	Vinod Singh Rawat	Pragya Rawat
82.	Prakul	Male	Anil Parashar	Prakul
83.	Pratishtha Negi	Female	Chandra Pal Singh Negi	Pash
84.	Preet Singh	Male	Lakhbir Singh	
85.	Prince Saini	Male	Amit Kumar	Prince Saini
86.	Priya Khichar	Female	Rajesh Kumar	Priya Khichar
87.	Priyal Gupta	Female	Rajan Gupta	Priyal
88.	Priyanshi Seth	Female	Vishal Seth	Priyanshi
89.	Rajan Gupta	Male	Yogesh Kumar	R
90.	Rashi Mehta	Female	Ajay Mehta	Rashi Mehta
91.	Reva Singh	Female	Subhash Chand	Reva
92.	Riddhi Jain	Female	Rajesh Jain	Riddhi Jain
93.	Riddhima Rastogi	Female	Vipul Kumar Rastogi	
94.	Rishabh Nand Amoli	Male	Nand Lal Amoli	
95.	Roshni Sachdev	Female	Raman Sachdev	
96.	Saksham Agarwal	Male	Pankaj Agarwal	Saksham
97.	Samkit Jain	Male	Shashank Jain	Samkit

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	Jay Shilpkar	Male	Vijay Shilpkar	
47.	Kanishk Raman	Male	Pushpesh Raman Tripathi	
48.	Kanishka Singh	Female	Kaushlendra P.Singh	
49.	Karan Singh	Male	Suman Singh	
50.	Kartik Sachdeva	Male	Ashok Kumar Sachdeva	
51.	Kartikey Kamdi	Male	Ajay Singh Kamdi	
52.	Khushi Jain	Female	Naveen Jain	
53.	Krishna Chadha	Female	Gaurav Chadha	
54.	Kush Awana	Male	Sunil Awana	
55.	Lakshya Gupta	Male	Lokesh Gupta	
56.	Maliha	Female	Nasir Ali	
57.	Manas Pathak	Male	Kalakar Pathak	
58.	Manasvi Jasrotia	Female	Davinder Singh Jasrotia	
59.	Manasvi Sharma	Female	Rajesh Sharma	
60.	Mayank Chauhan	Male	Vikram Singh Chauhan	
61.	Mohd Ashhad Ansari	Male	Sanjeed Ali	
62.	Mohd Riyan	Male	Barkat Ali	
63.	Mohd Yusuf	Male	Inam Ali	
64.	Monishka Singh	Female	Harish Singh	
65.	Mudit Mishra	Male	Sanjay Kumar Mishra	
66.	Naina Soni	Female	Sanjay Kumar	
67.	Nandini Solanki	Female	Prashant Solanki	
68.	Navya Mudgal	Female	Praveen Mudgal	
69.	Neeraj	Female	Subhash	
70.	Niharika	Female	Amit	
71.	Nitya Goel	Female	Munish Goel	

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98.	Samriddhi Chauhan	Female	Suresh Chauhan	
99.	Samridhi Bisht	Female	Vinod Singh Bisht	
100.	Sanjeevani Negi	Female	Dharmendra Singh Negi	
101.	Sanyam Mittal	Male	Rajiv Mittal	
102.	Sarah Ahmad	Female	Vakeel Ahmad	
103.	Sarthak Saini	Male	Vinod Saini	
104.	Saumya Goyal	Female	Madhur Goyal	
105.	Shailley Hyanki	Female	Diwakaran Singh Hyanki	
106.	Shalini Rawat	Female	Rajendra Singh	
107.	Shaurya Bhardwaj	Male	Vineet Bhardwaj	
108.	Sheryl Pattnaik	Female	Sushanta Kumar Pattnaik	
109.	Shonal Avanish Singh	Female	Avanish Kumar Singh	
110.	Shubhanshu Patel	Male	Chandrama Prasad	
111.	Simran Kalra	Female	Anil Kalra	
112.	Sneha	Female	Vineet Gupta	
113.	Sneha Gupta	Female	Ankush Gupta	
114.	Sneha Singh	Female	Pawan Singh	
115.	Somya Yadav	Female	Sanjeev Mohan	
116.	Sparsh Pandey	Male	Pradeep Kumar Pandey	
117.	Srishti Sharma	Female	Alok Sharma	
118.	Stuti Singhal	Female	Vipul Kumar Singhal	
119.	Suhail Ahmed	Male	Shakil	
120.	Suhani Mehrotra	Female	Gautam Mehrotra	
121.	Swagata Joshi	Female	Rakesh Chandra	
122.	Tanishka	Female	Vikas Jain	
123.	Tripti Wadhwa	Female	Kulbhushan Wadhwa	

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124.	Utkarsh Srivastava	Male	Dhananjai Kr. Srivastava	
125.	Vaibhav Bhatt	Male	Rajeshwar Prasad	
126.	Vaibhavi Arya	Female	Himanshu Kumar	
127.	Vaishnavi Sharma	Female	Manoj Sharma	Vaishnavi
128.	Vanshika Arora	Female	Dalip Arora	
129.	Varnika Sharma	Female	Sandeep Sharma	
130.	Varnita Singh	Female	Ashwani Kumar	
131.	Yash Kumar	Male	Khadak Singh	
132.	Yash Tripathi	Male	Dharmendra Kr. Tripathi	

133. Divyanshu Gulati

Ps = 129.

Signature of Faculty member

Sample Report (Faculty & Staff)

Session on Gender Sensitization for New Employees

Date: 17.02.2025 **Time: 3:30-4:30 PM**

Notice

SESSION ON GENDER SENSITIZATION FOR NEW EMPLOYEES

DATE: 17.02.2025 **TIME: 3:30 -4:30 PM**

NOTICE

SWAMI RAMA HIMALAYAN UNIVERSITY

DEPARTMENT OF HUMAN RESOURCES

NOTICE

Date: 15/02/2025

All new employees are hereby informed that a mandatory session on Gender Sensitization is being organized by the Department of Human Resources on 17th February, 2025 from 3:30 PM to 4:30 PM at the Training Hall, HIMS Building. This session is an essential part of the orientation program and aims to promote awareness, inclusivity, and respectful workplace behaviour. All new joinees are required to attend the session without fail.

Neha

Neha Rawat
Assistant Manager, HR

Department of Human Resources
Swami Rama Himalayan University
Swami Ram Nagar, Dehradun
Dehradun (Uttarakhand)

Report

A session on Gender Sensitization was conducted for all new joinees on 17th February 2025 at SRHU. The session was facilitated by Ms. Neha Rawat, who addressed key aspects of gender sensitivity in the workplace, including respectful communication, inclusivity, and unconscious bias. The session aimed to foster awareness and promote a respectful and equitable work environment from the very beginning of the employees' journey at SRHU. The participants actively engaged in discussions and case-based learning, making the session interactive and impactful.

No. Of Participants: 39





Session on Gender Sensitization led by Ms. Neha Rawat for 39 newly joined employees

Attendance

SRHU/FF/149

Himalayan Hospital

(A Constituent Unit of Swami Rama Himalayan University)

Training attendance sheet

Date: 17.2.25 **Time:** 10 am to 4:30 pm **Training type (Tick):** Internal / External

Topic : Induction & Orientation Code of conduct, Gender Sensitization, Professional Ethics

Trainer Name and Designation: Ms.Kavita Negi ,Deputy Manager & Ms. Neha Rawat Assistant Manager

Venue : B.C.Roy Auditorium , Near HRD

Department: New Joining Employees

Objective:

1. Organization owerview - To be provide engaging overview of the organization ,including its Vision ,Mission, & core value.
2. At the end of the programe new join employee will be able to learn about role & responsibility with in the organization.
3. To be explain about organization culture.
4. Explain to the employee about safety,Policies,Gendre sensitization & other essential policies.

S.No	BioMetric No.	Name	Designation	Department	Signature 10:00am	3:00pm
1	7106	Dr. Purva Vasant Darade	Senior Resident	Obst. & Gynae	Call duty	
2	7107	Dr. Solanki Paresha Lalsinh	Senior Resident	Anaesthesia	Leave	
3	7108	Ms. Muskan Sahu	Junior OT Technician	OT	Muskan	Muskan
4	7109	Ms. Himani	Staff Nurse	Nursing	Himani	Himani
5	7110	Ms. Mitali Koranga	Staff Nurse	Nursing	Left AB	AB
6	7111	Ms. Ritika Saini	Staff Nurse (Trainee)	Nursing		
7	7112	Ms. Luxmi Gouniyal	ANM	Nursing	AB	AB
8	7113	Dr. Taruna Bhati	Senior Resident	Anaesthesia		
9	7114	Dr. Pragya Khugsal	Assistant Professor	Obst. & Gynae		
10	7115	Dr. Richa Kumari	Assistant Professor	Surgery		
11	7116	Dr. Sunil Kumar	Assistant Professor	Physical Medicine & Rehabilitation		
12	7117	Mr. Vimal Singh	Junior OT Technician	OT		
13	7118	Ms. Kajal Pradhan	Staff Nurse	Nursing		
14	7119	Ms. Megha	Staff Nurse	Nursing		
15	7120	Ms. Deepmala Dass	Staff Nurse	Nursing		
16	7123	Mr. Vineet Bijalwan	Attendant	IPD		
17	7124	Mr. Saurabh Khatri	Attendant	IPD		

age: 1

Signature of trainer:

Ms. Kavita – 6852

Ms. Neha – Neha 6852

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S.No	BioMetric No.	Name	Designation	Department	Signature 10:00am	3:00pm
18	7125	Mr. Bijendra Singh	Attendant	IPD		
19	7126	Mr. Rohan Deep	Attendant	IPD	Rohandeep	
20	7127	Mr. Mayank Rawat	Attendant	Information Technology	Mayank Rawat	
21	7128	Mr. Neha Pal	Staff Nurse	Nursing	Neha PAL	
22	7129	Dr. Anjali Sonker	Assistant Professor	Obst. & Gynae Department		
23	7130	Mr. Dinesh Sariyal	Office Assistant	Radiology Department		
24	7131	Mr. Rahul	Attendant	Medical Record Department		
25	7132	Mr. Saurabh Singh	Attendant	Principal Office - HIMS	AB	
26	7133	Mr. Manish Dhamija	Attendant	IPD		
27	7134	Mr. Manish Kumar	Attendant	IPD		
28	7135	Mr. Abhijeet Chand	Attendant	IPD		
29	7136	Mr. Vibhor Gairola	Attendant	IPD		
30	7137	Mr. Makan Chand	Security Guard	Security		
31	7138	Mr. Alam Singh	Security Guard	Security		
32	7139	Mr. Bhagat Singh	Security Guard	Security		
33	7140	Mr. Amar Jyout Singh	Security Guard	Security	AB	
34	7141	Ms. Aajma	Staff Nurse	Nursing		
35	7142	Ms. Arpita Bali	Tutor	HCN		
36	7143	Dr. Sharad Saini	Tutor	Anatomy		
37	7144	Mr. Simpreet Singh Rana	Attendant	Anatomy		
38	7145	Mr. Arvind Harsiwal	Attendant	Microbiology		
39	7146	Mr. Manoj kr.	Attendant	IPD		
40	7147	Mr. Vijay Singh	Attendant	HCDRL		
41	7148	Mr. Shubham Pundir	Attendant	Hostel-Boys.		
42	7150	Mohan Singh	Attendant	Dental		

Signature of trainer:.....

Swami Rama Himalayan University

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S.No	BioMetric No.	Name	Designation	Department	Signature 10:00am	3:00pm
43		Aarti	O.T Technician	O.T	Aarti	Aarti
44		Sumit Mangaiy	Office Assistant	–	Sumit	Sumit
45		Harish ch. Bhatt	Security Guard			
46						
47						
48						

Total (39) Candidate

Madhu Gaur (540)
Assistant Manager
(Programme Coordinator)

Signature of trainer:.....

Ms. Kavita – 6850

Ms. Neha – 6852

Department of Human Resources
Swami Rama Himalayan University
Swami Ram Nagar, Doiwala

2. Support for Women's Empowerment

SRHU is committed to promoting gender equality and empowering women through targeted initiatives. Recognizing the importance of addressing barriers to women's education and career advancement, the following activities have been undertaken to support women's empowerment.

2.1 Maternity Leave and Workplace Equality

The organisation recognises the importance of maintaining a healthy work-life balance and overall well-being by offering 90 days of maternity leave to its female employees. This policy plays a vital role in supporting working mothers, allowing adequate time for recovery and new-born care, and aligns with SDG Target 5.4 (For more information). In addition, we uphold a strong commitment to equitable recruitment and employment practices, ensuring that all applicants and employees are treated fairly and without discrimination, regardless of gender or any other individual characteristics (For more information).

2.2 Fee Concession for Female Candidates

To encourage greater participation of women in higher education, particularly in technical disciplines, the institution offers merit-based fee concessions for female students. Eligible candidates receive a one-time concession equivalent to 25% of the first-year tuition fee, distributed across the academic year. This initiative directly supports SDG Target 5.1 (ending discrimination against women and girls) and SDG Target 5.5 (For more information)

3. Inclusive and Safe Campus Environment

The University has implemented a variety of initiatives that are designed to promote women's empowerment, nurture gender equality, and establish a safe and supportive environment for women.

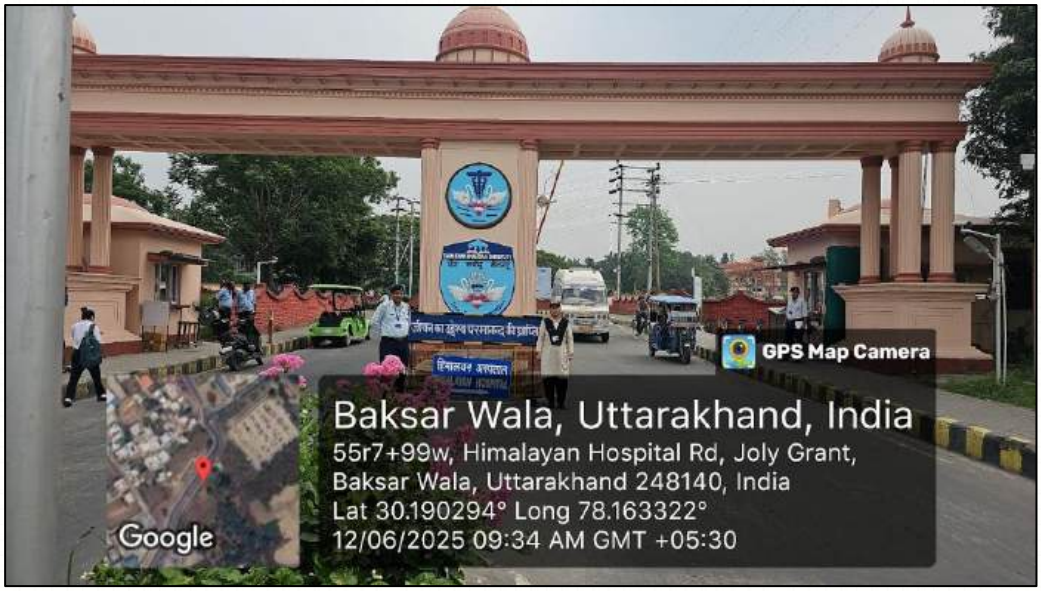
3.1 Internal Complaints Committee (ICC)

In compliance with the UGC Regulations, 2015, the University has constituted an Internal Complaints Committee (ICC). The ICC is responsible for addressing complaints related to sexual harassment, ensuring that such matters are investigated thoroughly and resolved fairly. Grievance Redressal Mechanism: The ICC reports incidents to the appropriate authorities and ensures timely and equitable resolution of all complaints. Annual Reporting: A comprehensive annual report is submitted to higher authorities, detailing recorded incidents, actions taken, and preventive measures implemented to ensure continued oversight and accountability. This initiative is in direct alignment

with SDG Target 5.2, which aims to eliminate all forms of violence against women and girls, including sexual exploitation. (For more information)

3.2 Safe and Accessible Infrastructure:

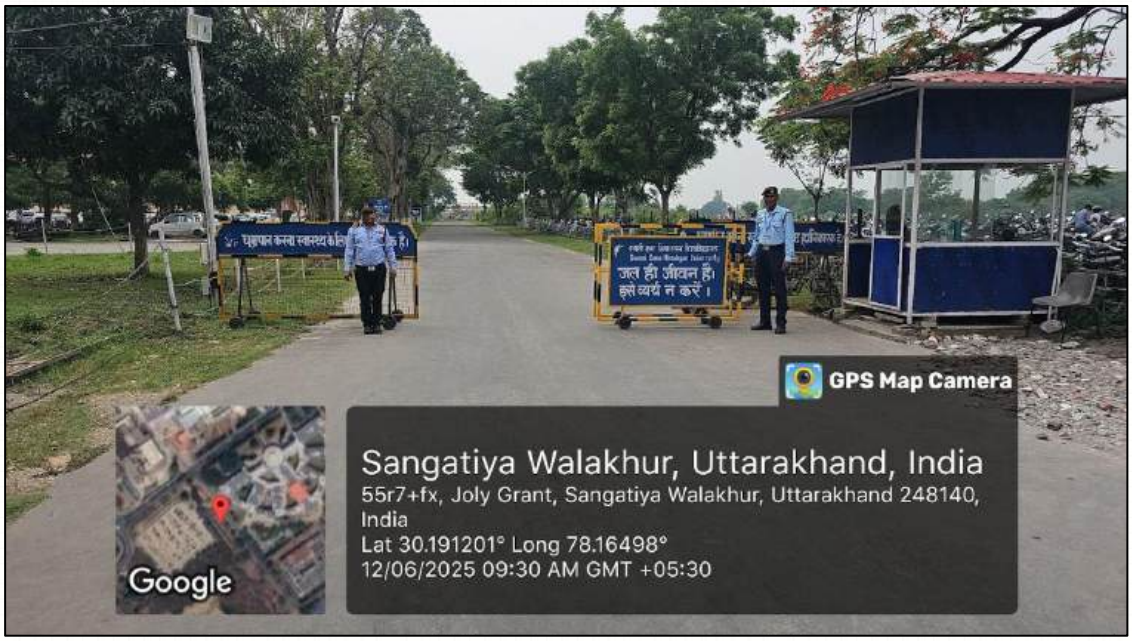
- The University is committed to providing a safe and secure environment for female students and staff, with a strong focus on both safety and empowerment. Key measures include the deployment of security personnel at strategic checkpoints and the appointment of full-time female wardens in hostels, ensuring round-the-clock oversight and support. These proactive steps contribute to SDG Target 5.2 by reducing the risk of assault, harassment, or abuse on campus. Collectively, they foster a protective and enabling environment where female students can pursue their education with confidence and without fear.



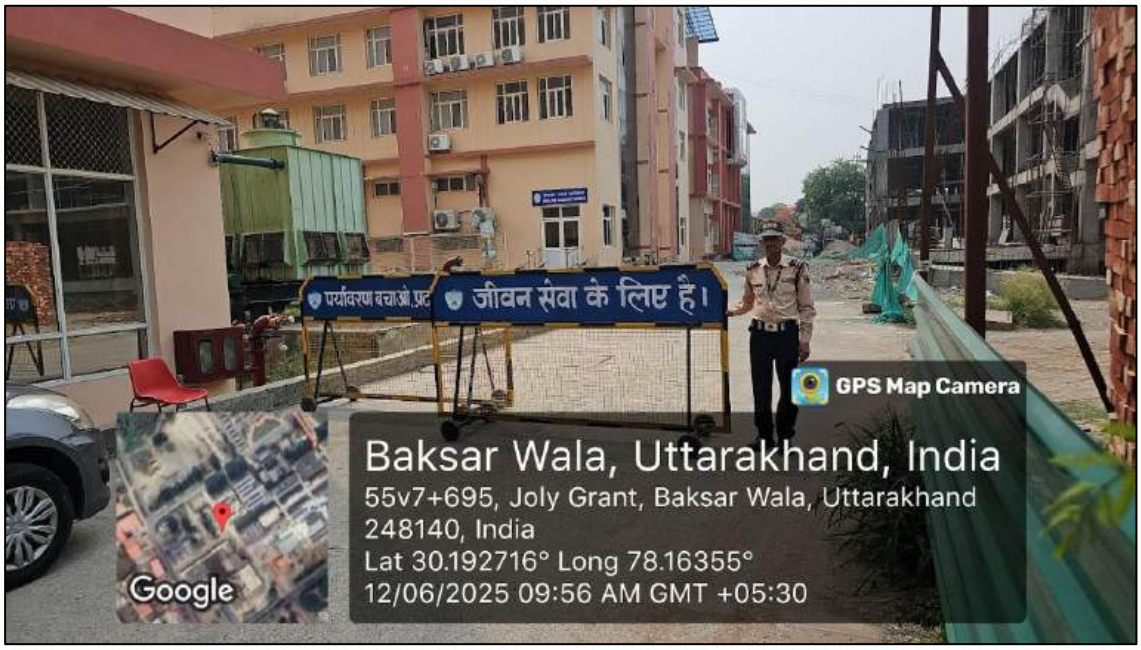
Guards (Male and Female) at the barricades at the University entrance



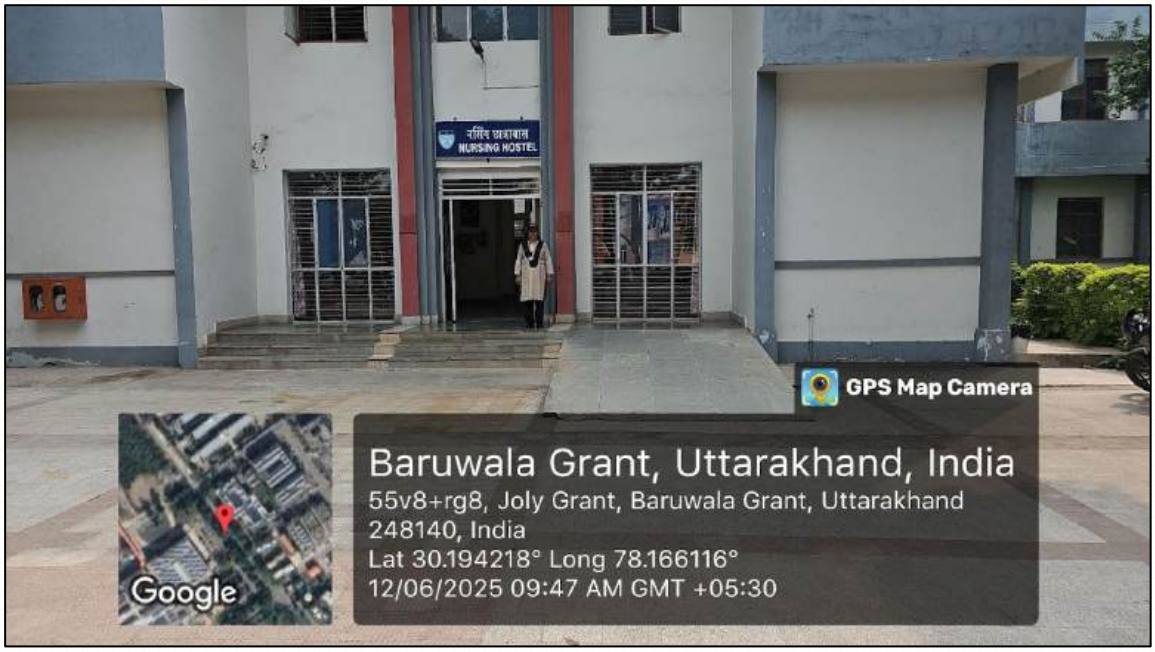
Guards (Male and Female) at the barricades at the entrance of the residential campus (near the Medical College)



Security Guard at Barricades on the way to University and Nursing College (near SBI ATM)



Security Guard at barricades on the way to Hospital LTs (besides Central Laboratory)



Female guard outside the Nursing girls' hostel



Female guard outside the MBBS girls' hostel



Low voltage electric wire fencing at MBBS girl's hostel

- A total of 2,325 CCTV cameras have been strategically installed across the campus to strengthen surveillance and safety. In addition, the formation of a dedicated "Action Team" equipped to manage emergencies further enhances the University's safety infrastructure. These measures directly support SDG Target 5.2 by establishing robust systems for the prevention, detection, and

effective response to incidents, thereby fostering a secure environment for all, particularly women and girls.



CCTV surveillance at the MBBS Girls' Hostel





CCTV surveillance at the Nursing Girls' Hostel



CCTV surveillance at the School of Biosciences, SRHU



CCTV cameras at School of Pharmaceutical Sciences, SRHU



CCTV cameras at School of Bio- Sciences, SRHU



CCTV camera at School of Bio- Sciences (left) and at Working girls hostel (right), SRHU





Central CCTV surveillance centre

- Well-lit campus pathways, supported by reliable generator backup systems, ensure safety during night-time hours—addressing a key concern related to women's security. This initiative aligns with SDG Target 5.4, as it fosters a sense of autonomy, mobility, and confidence among female students, enabling their full participation in campus life and academic activities without restriction.



Street light at the tube well chowk



Streetlights across University roads



Streetlights across University roads

3.3 Gender-Sensitive Campus Initiatives

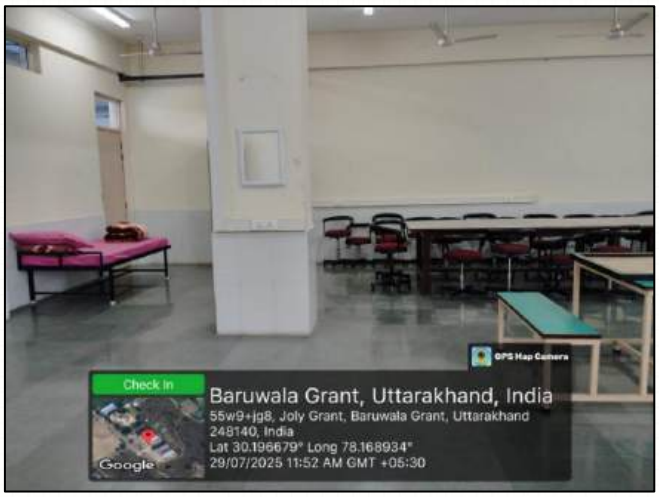
- Separate common areas for male and female students, equipped with essential amenities, reflect the University's commitment to addressing gender-specific needs, aligning with SDG Target 5.4. In the girls' common areas, the installation of sanitary pad vending machines and hygienic waste disposal units further demonstrates the institution’s focus on women’s health and hygiene, thereby advancing SDG Target 5.6, which promotes universal access to sexual and reproductive health services.



Girls' Common Room at Himalayan Institute of Medical Sciences, SRHU



Girls' Common Room at Himalayan College of Nursing, SRHU



Girls' Common Room at School of Science and Technology, SRHU



Sanitary pad vending machine in the girls' common room to promote menstrual hygiene management



Sanitary pad disposal machine in the MBBS girls' hostel to promote menstrual hygiene management

- The Udgam Pre-school and Day-care Facility, together with the Vidya School on campus, directly support SDG Target 5.4 by addressing the childcare needs of working parents and student mothers, particularly women. These facilities—featuring childcare services, audio-visual activity rooms, and a dedicated nursing area for mothers—help ease caregiving responsibilities that are often unequally borne by women. In doing so, they play a crucial role in advancing gender equality and enabling greater participation of women in education and the workforce.





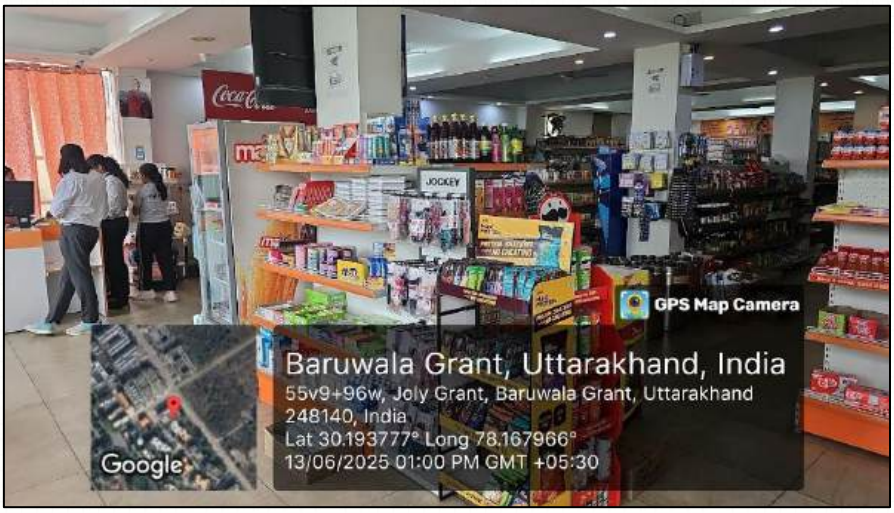
Udgam Pre-School within the campus, provides a safe and nurturing environment for the children of faculty members





Vidhya School on campus supports SDG 5 by enabling women faculty to balance work and caregiving through accessible early childhood education

- Supplementary facilities, such a parlor, tailoring services, and food stores on campus, reduces the necessity for female employees and students to exit the grounds for daily essentials, thereby supporting SDG 5.A.



Grocery Store within the University









Tailoring and ironing services for female employees and students at the University



Laundry Services within the University Campus

- As part of its commitment to women's safety and security, SRHU has introduced free self-defence classes for female students and staff. Conducted every Sunday morning at the Utility Centre Gym, the program is structured into 4 weekly sessions per batch, focusing on equipping women with both practical defence skills and mental resilience.





SRHU's free self-defence classes empower women with skills and confidence to enhance personal safety and resilience

4. Promoting Women in Research and Innovation

The University has made significant contributions to the academic and public health discourse through a series of peer-reviewed, Scopus-indexed research publications. These studies span critical themes such as menstrual health and stress among undergraduate women, adolescent girls' awareness of sexual and reproductive health, childbirth anxiety among first-time mothers, and maternal practices in infant feeding. The institution has also explored important clinical and diagnostic aspects of women's health, including studies on pelvic hydatid cysts, breast cancer trends, diagnostic delays, and survival analysis among women in the Sub-Himalayan region. Technological interventions in gender classification through deep learning, as well as maternal nutrition practices for children, further reflect a multidisciplinary approach to advancing gender equity.

SN	PUBLICATION TITLE	DOI
1	Exploring the Relationship Between Perceived Stress and Menstrual Health in Undergraduates Across Different Academic Disciplines	10.47203/IJCH.2025.v37i02.019
2	Navigating Risks: Exploring Sexual and Reproductive Health and Contraceptive Awareness among Adolescent Girls in in District Dehradun	10.47203/IJCH.2025.v37i01.014
3	Childbirth preparedness and childbirth anxiety among primigravida in a lower-middle income country: A phenomenological qualitative study	10.1016/j.cegh.2025.101918
4	Evaluation of infant feeding knowledge and practices of mothers in rural communities of Uttarakhand India: A cross-sectional study	10.1016/j.jnn.2025.101694

5	Awareness about Community Management of Hyperglycemia during Pregnancy among Medical Undergraduates in Western Uttarakhand	10.47203/IJCH.2024.v36i01.017
6	A study of women entrepreneurs as catalysts for sustainable development An inspirational story of Uttarakhand well known “Mushroom Girl”	10.1201/9781032725581-6
7	National workshop on ‘Women empowerment in Uttarakhand through S&T interventions’	
8	Primary Pelvic Hydatid Cyst in Adolescent Female	10.4103/jiaps.jiaps_96_23
9	To study the survival analysis and recurrence pattern in women treated for breast cancer: Retrospective study, a tertiary cancer center experience from Sub-Himalayan Region of India	10.1002/jso.27588
10	Understanding the Rising Breast Cancer Among Young Women: Biological Insights, Projections, and an Opportunity Window Leading up to 2040	10.1007/s13193-024-01909-x
11	Diagnostic delays in breast cancer among young women: An emphasis on healthcare providers	10.1016/j.breast.2023.103623
12	A Novel Deep Learning Based Gender Classification, Expression Recognition and Emoticon Generation	10.1109/IC2PCT60090.2024.10486512
13	Nutrition related practice of mother’s under-five children	10.47203/IJCH.2024.v36i01.012

5. Women’s Health and Well-Being

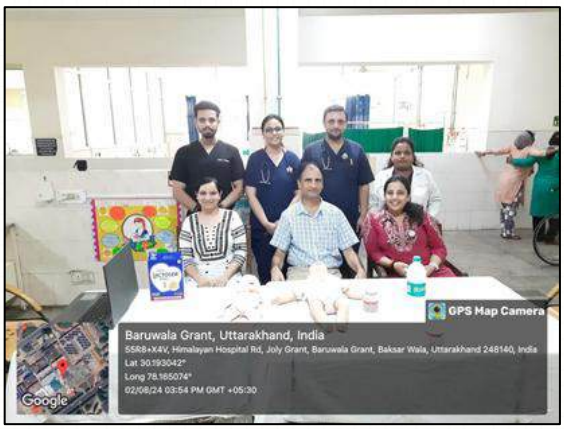
5.1 Health and Wellness Programs for Women:

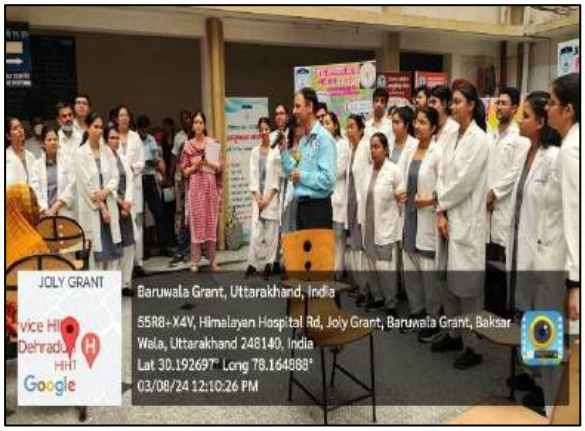
In support of Target 5.6, SRHU commemorated World Breastfeeding Week, highlighting the importance of maternal and child health. Similarly, awareness campaigns on menstrual health, aligned with Target 5.2, work to dismantle taboos and foster open conversations around menstrual hygiene, gender-based violence, and equity.





Students and faculty members from the pediatric ward, HIMS SRHU, counselling sensitizing new mothers on the importance of breastfeeding





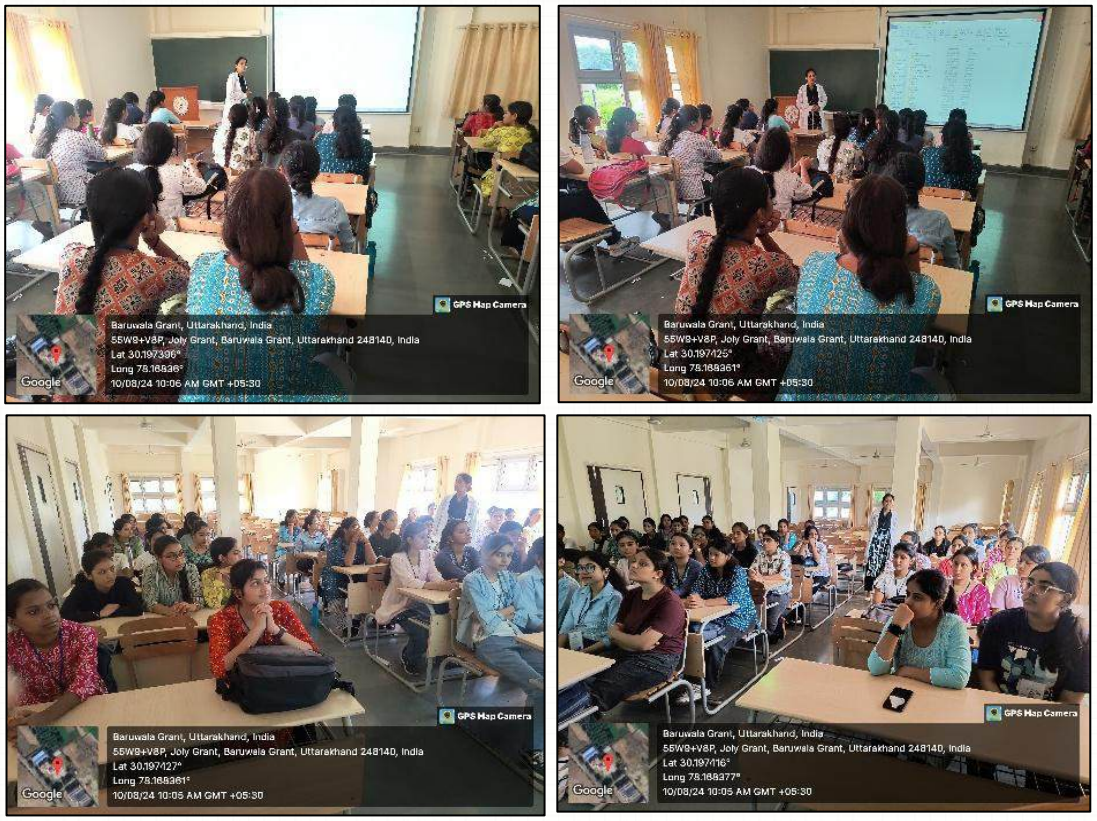
Students and faculty members from the pediatric ward, HIMS SRHU, counselling sensitizing new mothers on the importance of breastfeeding





Distribution of sanitary pads by the Department of Community Medicine on World Menstrual Hygiene Day, promoting menstrual health and hygiene awareness

To further strengthen women's health education, on 10th August 2024, Ms. Shama Praveen delivered an interactive session on menstrual hygiene for newly admitted B.Sc. and M.Sc. female students at the Himalayan School of Biosciences. The session focused on menstrual health management, hygiene practices, and awareness building, encouraging open dialogue and empowering young women with knowledge and confidence to manage their health with dignity.



49 female students from BSc and MSc (Batch 2024) attending a lecture by Ms Shama Praveen on Menstrual Hygiene

5.2 Counselling and Support Services:

The Psychological Counselling Cell, managed by the Clinical Psychology Department, supports SDG 5.2 by offering confidential and non-judgmental treatment for sexual, emotional, or psychological concerns. This effort guarantees prompt assistance, enhancing a safer and more responsive campus atmosphere.



Psychological Counselling Cell at Himalayan Hospital, HIMS, SRHU



Psychological Counselling Cell at Himalayan Hospital, HIMS, SRHU



Counselling session in progress by a specialist at the Psychological Counselling Cell

6. Community Engagement and Outreach

The University enhances women's empowerment through its partnership with the Rural Development Institute (RDI), promoting women's leadership by training community health

professionals. RDI has actively advanced the agenda of gender equality through a wide-ranging portfolio of community-based initiatives that prioritize the health, well-being, and empowerment of women, children, and adolescents, especially in underserved and rural areas.

At the core of this outreach is a sustained focus on maternal and child health, with over 60 health camps and 3,000+ home visits reaching pregnant and lactating women. High-risk pregnancies were supported through targeted interventions, transportation aid, and nutrition supplementation. Village Health, Sanitation, and Nutrition Days (VHSNDs), enhanced by community participation and SHG-led initiatives like millet laddoo distribution, bolstered maternal nutrition and local women's livelihoods.





Maternal healthcare camps conducted by SRHU advance SDG 5 by promoting safe motherhood, improved nutrition, and the overall well-being of women and children


GPS Map Camera
Dehradun, Uttarakhand, India
Unnamed Road, Uttarakhand 248196, India
Lat 30.601053° Long 77.960484°
12/07/24 02:29 PM GMT +05:30
23.09° C
69%
Google


GPS Map Camera
Sighor, Uttarakhand, India
HWRV+3R5, Sighor, Uttarakhand 248158, India
Lat 30.589167° Long 77.945982°
27/08/24 12:22 PM GMT +05:30
21.28° C
70%
Google





As part of its commitment to SDG 5, SRHU distributed nutrition kits to mothers to combat maternal malnutrition and promote healthy, safe pregnancies





Women participate in VHSND sessions, accessing essential health services, nutrition support, and counselling, strengthening maternal well-being

The University also addressed women's reproductive and preventive health through cervical and breast cancer screenings, menopause outreach camps, and health education workshops, integrating traditional practices like yoga for holistic well-being.







Promoting women's health and empowerment through cervical and breast cancer screenings, menopause outreach camps, and health education workshops

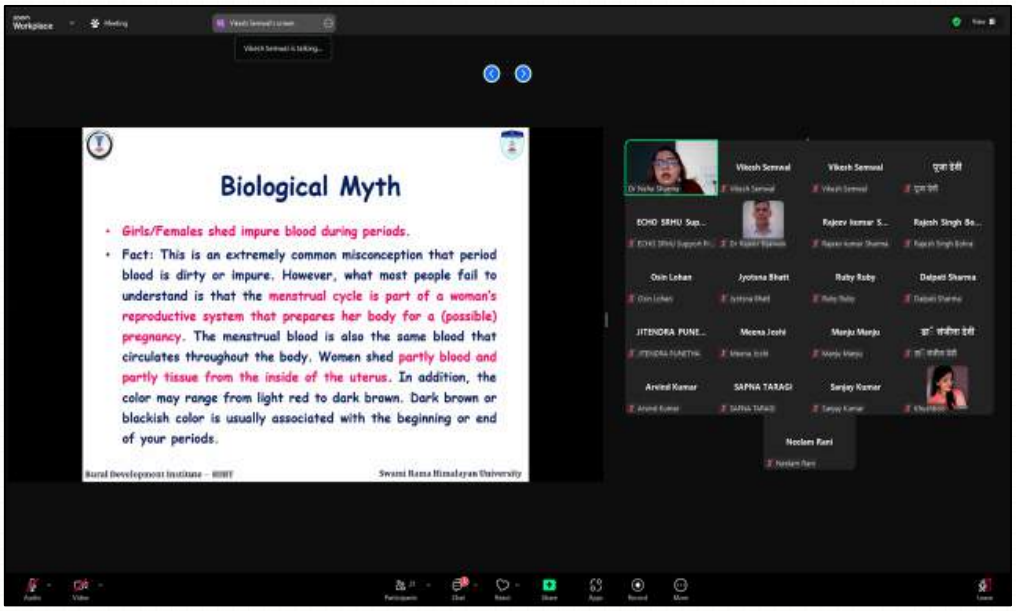
Programs like the Adolescent Health Program and School Health & Hygiene Clubs engaged thousands of youth, parents, and educators through awareness sessions, peer education, and health check-ups. Emphasis was placed on menstrual hygiene management (MHM), with inclusive training for teachers, adolescent girls, and marginalised groups such as forest-dwelling communities and persons with disabilities.





RDI empowered adolescent girls in slum, tribal, and remote areas by promoting access to nutrition, hygiene education, and menstrual products—fostering dignity and equality in line with SDG 5

Community mobilization efforts brought together SHGs, parents, ASHAs, and local leaders to build awareness, promote health-seeking behaviour, and reduce stigma around key gender and health issues. Through collaborative platforms like the Virtual Immersion Program and the ASHA Certificate Course, the initiative has also strengthened the capacity of frontline workers in low-performing areas.



Teachers being trained through the ECHO platform on menstrual hygiene management



Training ASHA workers on menstrual health management to enhance community awareness, break taboos, and promote gender equality

Livelihood and skills-based outreach, such as tailoring and handicraft training for women in remote villages and Gujjar communities, further supported economic independence and gender-inclusive development.



Women participating in tailoring and handicraft activities gain economic empowerment and self-reliance and advance gender equality

Events like International Women's Day served to celebrate women's contributions and mobilise collective action toward gender equity. By engaging more than community members, this event underscored the grassroots momentum behind gender-responsive programming.

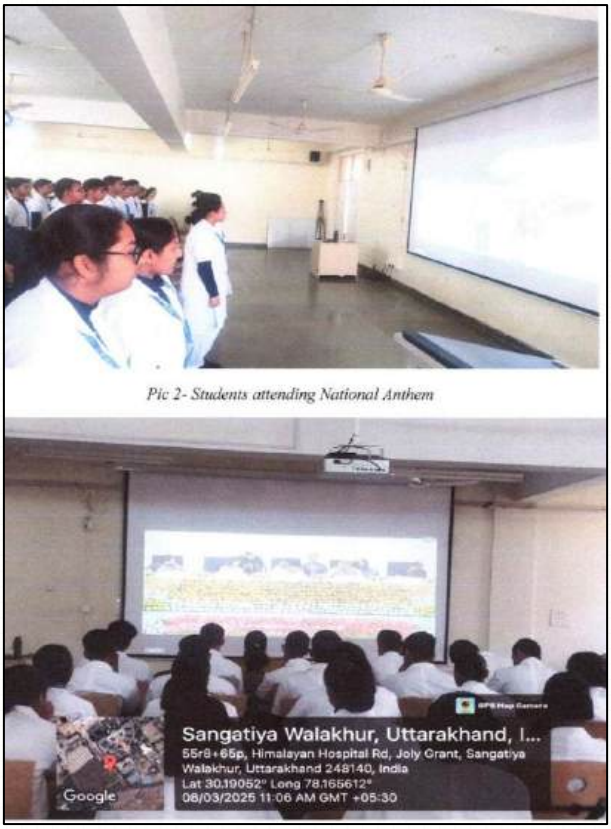


Celebrating the strength and resilience of women—RDI marked International Women's Day across regions from Doiwala to Nagthat to Bahadrabad, reaffirming its commitment to gender equality

Through these integrated efforts, RDI, SRHU continue to foster an ecosystem of empowerment, where access to health, education, skills, and agency is made equitable and inclusive for all.

7. Promoting Gender Equality through Education, Leadership, and Regional Collaboration

Aligned with SDG Target 5.5, which emphasises full and effective participation of women in leadership and decision-making, several impactful programs are conducted in the University On 8th March 2025, the Himalayan College of Nursing (HCN) commemorated International Women's Day by participating in the National Conference at Vigyan Bhavan, New Delhi, through a live telecast. Themed "Nari Shakti Se Viksit Bharat", the conference featured a compelling address by the President of India, highlighting the indispensable role of women in driving national progress across sectors such as education, healthcare, technology, defense, and leadership. The event was attended by 87 participants, including students and faculty, and served as a platform for dialogue and inspiration.



Pic 2- Students attending National Anthem

Telecast of National conference on the occasion of International Women's Day attended by 87 participants

Further promoting women's leadership in science and technology, SRHU organized a dedicated session on Women in STEM, hosted by the Department of Medical Physics and the School of Sciences & Technology (SST). Eminent speaker Dr. Sadhana Srivastava, former

Scientist G at ICMR, advocated for inclusive policies, structured mentorship, and government-supported programs such as SERB-POWER, Vigyan Jyoti, and the WISE Fellowship. The event provided young women aspiring to enter STEM fields with vital encouragement and awareness about available institutional support.



Session on Women in STEM by Dr Sadhana Srivastava, promoting gender equality in science and technology

Extending the commitment to gender-responsive development, a 4-day regional training program on Gender Equality and Social Inclusion (GESI) responsive Springshed Management in the Hindu Kush Himalaya (HKH) was conducted from 29 January to 1 February 2025. Organized in collaboration with ICIMOD, G.B. Pant NIHE, and supported by the UK International Development and the Swiss Agency for Development and Cooperation, the training focused on interdisciplinary strategies for sustainable springshed management. The program was attended by 41 participants from various Himalayan states of India as well as neighbouring countries Nepal and Bhutan. It emphasized gender-inclusive water governance, climate resilience, and ecological sustainability—empowering both women and men to lead and manage natural resources effectively.



Regional training on gender-inclusive springshed management, empowering participants from Himalayan regions to lead in sustainable water governance



Regional training on gender-inclusive springshed management, empowering participants from Himalayan regions to lead in sustainable water governance

Together, these initiatives reflect SRHU's sustained dedication to achieving SDG 5 by fostering environments that support gender equity, promote women's participation in decision-making, and build capacity for sustainable, inclusive development.

Swami Rama Himalayan University

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SUSTAINABLE DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS



CLEAN WATER AND SANITATION

srhu.edu.in

Swami Rama Himalayan University (SRHU) is actively contributing to the achievement of Sustainable Development Goal 6 (SDG 6) through a range of innovative, educational, and community-based initiatives. Recognizing the global challenges associated with water scarcity, pollution, inadequate infrastructure, and governance issues, SRHU is committed to addressing these problems through sustainable practices, research, and awareness.

1. Institutional Water Infrastructure & Conservation

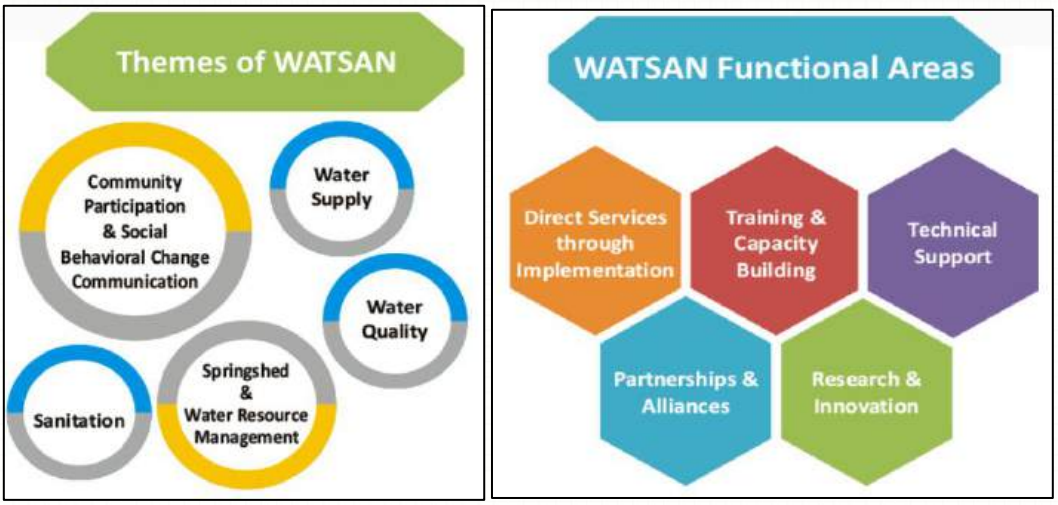
SRHU has operated a dedicated **Water & Sanitation (WATSAN) Department** since 1998 (over 26 years) steadfast in advancing sustainable water, sanitation, and hygiene (WASH) interventions to improve public health outcomes. These efforts have positively impacted over 200 villages across Uttarakhand, empowering communities to take ownership of WASH initiatives.



WATSAN department at Swami Rama Himalayan University

Key projects implemented under SRHU's RDI include:

- A dedicated Water & Sanitation Resource Centre, supported by IRC, Netherlands
- Participation in the Swajal Sector Reform Program (SWAp)
- Implementation of the Himmothan Pariyojana, in collaboration with Tata-Titan and the Hans Foundation
- Execution of Nirmal Bharat Abhiyan / Total Sanitation Campaign
- Contributions to the Urban Sector Development Investment Program



Major themes and functional areas covered by WATSAN

SRHU, through its flagship institution—Himalayan Institute Hospital Trust (HIHT)—has earned national recognition. The Ministry of Jal Shakti, Government of India, has empaneled HIHT to undertake Corporate Social Responsibility (CSR) projects, placing it at the **4th rank nationally** and as the **only organization from Uttarakhand** on the list. Additionally, HIHT has been designated as a **National Key Resource Center (NKRC)** under the **Swachh Bharat Mission (Gramin)**, underscoring SRHU's leadership in strengthening rural WASH systems in alignment with national priorities.



Accomplishments of WATSAN under clean water and sanitation

Activities under taken by WATSAN during 2024-2025 catering to the SDG 6: Clean water and Sanitation

1. **Capacity Building for Har Ghar Jal (Jal Jeevan Mission):**
   A series of Change Management trainings were conducted for public health engineers and mid-level government officials under the Har Ghar Jal initiative. These were held at Hotel Jasmin in Haldwani (01–02 July 2024) with 44 participants, at Uttarakhand Institute of Rural Development (UIRD), Rudrapur (05–06 July 2024) with 45 participants, at SRHU campus (15–16 July 2024) with 35 participants, and at Hemwati Nandan Bahuguna, Srinagar, Pauri (29–30 July 2024) with 40 participants. These programs, supported by the State Water & Sanitation Mission, Government of Uttarakhand in collaboration with SRHU, focused on strengthening the capacity of officials to implement the Jal Jeevan Mission. *(SDG 6.a, 6.b)*

2. **Community Engagement on RDI Foundation Day:**
   On 20–21 September 2024, SRHU celebrated RDI Foundation Day across its campus and in villages including Pasta, Tashila, Moldhar, and Jaswawala. The event engaged approximately 200 students and villagers through community-led water and sanitation awareness activities. *(SDG 6.b)*



3. **Swachhta Pakhwada – Campus-Wide Sanitation Campaign:**
   From 23 September to 1 October 2024, SRHU organized Swachhta Pakhwada, a campus-wide campaign promoting sanitation and hygiene practices, reaching 328 students and faculty members. *(SDG 6.2)*





4. **Social and Environmental Audit of Sewage Infrastructure:**

A significant environmental assessment initiative was conducted from 01 January to 15 June 2025, involving the social and environmental audit of seven Sewage Treatment Plants (STPs) and two Interception and Diversion sites in Dehradun, Haridwar, Tehri Garhwal, and Nainital. This audit was supported by Namami Gange and the State Mission for Clean Ganga (SMCG), Government of Uttarakhand in partnership with SRHU. *(SDG 6.3)*





5. **GESI-Responsive Springshed Management in the Hindu Kush Himalaya:**

From 29 January to 1 February 2025, SRHU hosted a training on Gender Equality and Social Inclusion (GESI)-responsive Springshed Management in the Hindu Kush Himalaya, attended by 63 participants from 11 Indian states as well as Nepal and Bhutan. This program was conducted in collaboration with ICIMOD and GBPNIHE. *(SDG 6.5)*





6. **World Water Day – Rural and Campus Outreach:**
   On 22–23 March 2025, in observance of World Water Day, SRHU organized awareness campaigns and activities in the SRHU campus and villages such as Kokaliyal, Tachla, Gudiyawala, and Thano, engaging 529 students and villagers. *(SDG 6.b)*





7. **Affordable Climate-Resilient Water Supply Infrastructure Project:**
   A long-term project titled "Affordable Climate-resilient Water Supply Infrastructure Prototype for Indian Himalayan Region" was initiated on 29 March 2025 in five districts: Pauri, Rudraprayag, Chamoli, Tehri, and Uttarkashi. The project is supported by the National Mission on Himalayan Studies (NMHS), Ministry of Environment, Forest & Climate Change (MoEFCC), Government of India, in collaboration with SRHU. The project aims to ensure access to safe and affordable drinking water in climate-sensitive regions. *(SDG 6.1, 6.4)*





8. **Co-Learning and Exposure Visit on Springshed Management:**
   A co-learning and exposure visit on Springshed Management for Water Security was conducted on 22–23 April 2025 at SRHU Campus and Dehradun, involving 32 participants,

including mayors from Nepal and Uttarakhand. Supported by ICIMOD, this initiative shared best practices in integrated water resource management. *(SDG 6.5)*



9. **Participation in State-Level Water Governance:**
   On 26 May 2025, SRHU participated in the Executive Committee meeting of the State Water Sanitation Mission (SWSM), held in Dehradun. This participation contributes to capacity-building and policy engagement in water governance. *(SDG 6.a)*



10. **Water Conservation Awareness in Industry:**
    On 4 June 2025, an awareness session on water conservation and waste management was conducted at Wipro Enterprise Ltd, SIDCUL, Haridwar, engaging 24 staff members. This session, supported by Wipro in collaboration with SRHU, addressed responsible water usage and workplace sanitation. *(SDG 6.3, 6.6)*





2. Rainwater Harvesting and Groundwater Recharge

Rainwater harvesting is implemented extensively across the campus with a blend of traditional engineering and modern filtration systems. A series of recharge pits and filter beds have been constructed across academic and residential zones. The harvested rainwater is stored in underground tanks, used for flushing, cleaning, and groundwater recharge, significantly reducing the need for extracted groundwater.

- Total rainwater harvesting capacity: Approximately 40 crore liters
- Underground tank capacity: 1.5 lakh liters
- Daily reuse from tank: 3,000 liters for 111 toilets and 138 taps
- Total rooftop area utilized: 9,000 sq. meters
- Annual groundwater recharge from harvested water: 1.57 crore liters
- Rainwater used for flushing and cleaning: 9.45 lakh liters/year

Key recharge pit specifications:

- Guest House Area: 3 pits with filter beds (6.42×2×1.5 m) and recharge depth of 6 m
- New OPD Zone: Multiple pits of 3 m diameter × 12 m depth
- Medical College (SBI Bank): Filtration system with recharge pit of 3 m diameter × 3.35 m depth



Rainwater harvesting Pit at SRHU



Rainwater harvesting pit at SRHU near New Block



Underground water tank at SRHU



Recharge Pit near University Office

3. Wastewater Treatment & Reuse

The University has established a comprehensive and environmentally responsible wastewater management framework to ensure the safe treatment, recycling, and reuse of both domestic sewage and industrial effluents. These efforts contribute significantly to water conservation, public health, and environmental sustainability on campus.

Sewage Treatment Plant (STP)

Capacity: 1 MLD (10,00,000 litres/day)

Technology: Moving Bed Biofilm Reactor (MBBR) with extended aeration and tertiary filtration

Construction Cost: ₹1.25 crore

Daily Average Treatment: 7,00,000 litres

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

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



Water flow meter monitoring system from water inlet and outlet



Recycling of water from STP aligns with Sustainable Development Goals

Manure Use: Sludge from the STP is processed and reused as organic manure in campus landscaping.

Monitoring: Treated water is tested biannually at NABL-accredited labs. Recent lab results confirm that output is within permissible norms (e.g., pH: 7.15, BOD: 9 mg/L, COD: 39.7 mg/L, Fecal Coliform <80MPN/100ml).

Compliance: Fully adheres to state pollution control board regulations.



Sewage Treatment Plant at the University



Sewage Treatment Plant at the University

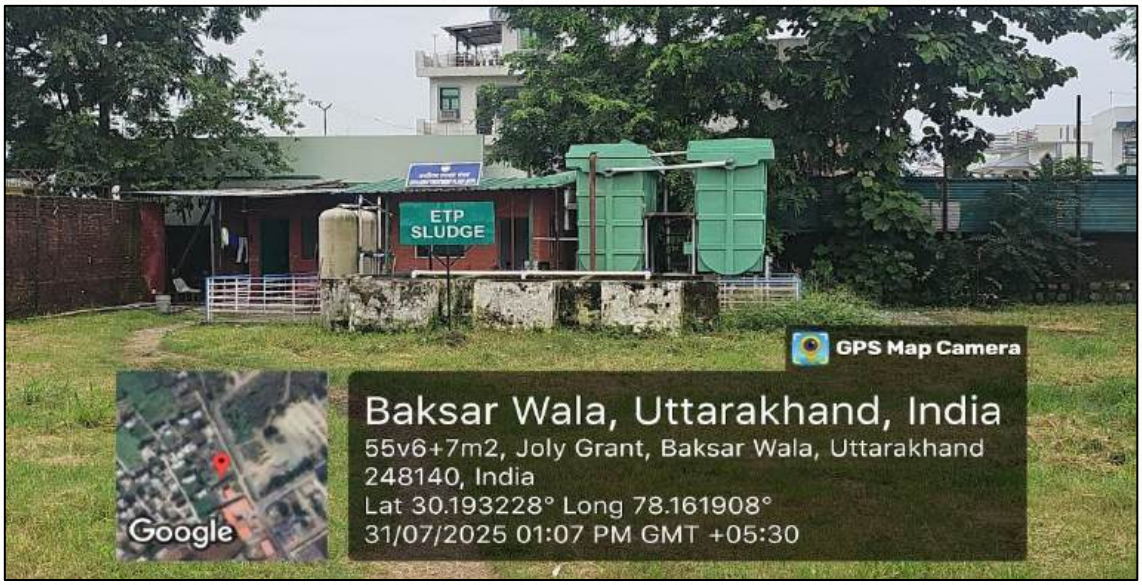
Effluent Treatment Plant (ETP)

- **Capacity**: 90,000 litres/day
- **Purpose**: Designed for treating clinical and laboratory effluents from hospital and

research units

- **Process Highlights**:
  - Equalization, coagulation, neutralization, aeration, clarification
  - Tertiary treatment via sand and activated carbon filters
  - Continuous aeration and regular sludge handling
- **Sludge Disposal**: In partnership with **M/S Bharat Oil & Waste Management Ltd**, approved by UEPPCB
- **Safety & Compliance**: Daily operational parameters monitored, including pH (7–8), chlorine levels (1–2 mg/L), equipment checks, and filter backwashing every 4–8 hours.
- **Treated Water Use**: Reused internally for non-potable purposes





Effluent Treatment Plant at SRHU for treatment of clinical and laboratory effluent



DELHI ANALYTICAL RESEARCH LABORATORY

Plot No. 2, (A-2) Timber Block, Jhilmil Industrial Area, Delhi-110095
E-mail : darltesting@gmail.com, www.darltesting.in
Ph.: 011-43545890, 09717324010, 9971520106, 8595224665.
(A GOVERNMENT APPROVED & ISO 9001 : 2015, ISO 45001:2018 Certified Testing Laboratory)

TEST REPORT — Format No. DARL/QF/50

Report issue to: Swami Rama Himalayan University, Swami Rama Nagar Doiwala Dehradun Uttarakhand - 248140.		ULR No.	TC518325000009740F
		Report No.	B202508260WT019
		Sample Receipt Date	28/08/2025
		Test Started On	28/08/2025
		Date of Completion	30/08/2025
		Issue Date	30/08/2025
Name of Sample	STP Inlet water (1 MLD)		
Brand Name	N.S.	Date of Sampling	28/08/2025
Sample Quantity	1 Ltr	Batch/Lot No	N.S.
Sample Collected by	Our lab Representative Mr. Rajan	Manufacturing Date	Not Specified
Sampling Method	N.S.	Expiry Date	Not Specified
Sample Description	STP inlet water (1 MLD)		

TEST RESULTS

Group Name : Water — Discipline : Chemical and Biological

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	6.69	IS : 3025(P-11):2022 Clause no. 9
2	Total suspended solid(TSS)	mg/L	185.0	IS : 3025(P-17):2022 Clause no. 6.1
3	Biochemical oxygen demand (BOD) at 27DC for 3 days	mg/L	134.8	IS : 3025(P-44) 2023 Clause no.9
4	Chemical oxygen demand (COD)	mg/L	595.2	IS : 3025(P-58) 2023 Clause no. 9
5	Oil and grease	mg/L	Less than 4	IS:3025(P-39) 2021 Clause no 5.5
6	Microbiological Parameter	--	--	
7	Faecal coliform	MPN/100ml	<2	IS:1622:1981 Clause no. 3.3.3

Remarks : Party asked for above test only.

End of Report

Review by

Authorised Signatory (Chemical)
Mr. Manmohan Pandey

Page No. 1/1

Note: 1. The results are related to the test items only. 2. Sample will be destroyed after one month from the date of issue of test report. 3. This report is not be reproduced wholly or in part and cannot as an evidence in the court of law and should not be used in any advertisement media without written consent. 4. Laboratory is not responsible for customer provided details. 5. When report is without NABL Symbol & URL, it implies that these products & tests are not covered under NABL accredited scope.

Routine Testing report of effluent discharged from E

Operational Excellence & Environmental Stewardship

Both STP and ETP systems are maintained through detailed SOPs ensuring uninterrupted functioning, proper sludge handling, and minimal environmental discharge. Air blowers, dosing pumps, and filtration systems are run as per rigorous schedules by trained operators under the supervision of the Engineering & Maintenance (E&M) team. Preventive maintenance and strict quality checks ensure high efficiency and compliance.

4. Water-Saving Sanitation Features

In addition to robust wastewater treatment and rainwater harvesting systems, **Swami Rama Himalayan University (SRHU)** has implemented a series of innovative, low-cost, and high-impact interventions to reduce freshwater consumption across its academic, residential, and clinical zones.

Waterless Sanitation Solutions

- **Installation of over 150 waterless urinals** across campus has significantly reduced the need for flushing, saving approximately **1.5 lakh litres per urinal annually**, resulting in a **total annual saving of 2.25 crore litres** of water.



Waterless urinals present at different locations across the University

Reuse of Condensed AC Water

- **Condensate water from air conditioning units** is systematically collected and repurposed, contributing to **1.2 lakh liters of water saved annually**—an innovative reuse strategy supporting sustainable water use.



Condensed water from AC Units is used across the campus to repurpose and recycle water

Recycling of RO Reject Water

- RO (Reverse Osmosis) reject water, which is often discarded, is now being utilized effectively for **toilet flushing and laundry**, leading to annual savings of approximately **32.85 lakh litres**.

Sensor-Based Scrub Stations

- SRHU has deployed **sensor-activated scrub stations** in its Operation Theatres (OTs), which minimize water wastage during hand scrubbing. This smart technology saves approximately **5 lakh litres of water per year**.



Sensor activated scrub station aiding in water conservation

5. Community Outreach and Training

Beyond its campus operations, SRHU actively contributes to regional water sustainability by supporting community water access and building institutional capacities. The university has facilitated the construction of water conservation tanks in remote villages and provides training to stakeholders across India under national water management programs.

- Villages supported with clean water infrastructure: 550+
- Conservation tanks constructed: 600+ units (7,000-liter capacity each)
- Stakeholders trained through national programs: 7,787
- Functional areas covered: aquifer recharge, greywater management, spring restoration
- Hands-on environmental education integrated into undergraduate curricula through STP visits



States/UTs Outreached

1. Andaman & Nicobar
2. Andhra Pradesh
3. Arunachal Pradesh
4. Assam
5. Bihar
6. DNH & DD
7. Goa
8. Gujarat
9. Himachal Pradesh
10. Jammu & Kashmir
11. Jharkhand
12. Karnataka
13. Kerala
14. Ladakh
15. Lakshadweep
16. Madhya Pradesh
17. Maharashtra
18. Manipur
19. Meghalaya
20. Mizoram
21. Nagaland
22. Odisha
23. Puducherry
24. Punjab
25. Rajasthan
26. Sikkim
27. Tamil Nadu
28. Tripura
29. Uttar Pradesh
30. Uttarakhand
31. West Bengal

States and Union territories covered by WATSAN, SRHU supporting SDG 6





Snippets of various activities & Initiatives under WATSAN translating into clean water and sanitation







Snippets of various activities under WATSAN translating into clean water and sanitation

6. Environmental and Social Audit under the Namami Gange Programme

Swami Rama Himalayan University (SRHU) has been engaged as a key evaluator in the Government of India's Namami Gange Programme, an initiative launched in 2014 to address the growing pollution in the Ganga River. As a river of immense ecological, cultural, and economic significance, the Ganga has faced critical threats due to unregulated urban expansion, industrial discharge, and inefficient waste infrastructure. In response, the establishment of Sewage Treatment Plants (STPs) and Interception & Diversion (I&D) systems has become central to pollution abatement efforts.

SRHU has been entrusted by the State Mission for Clean Ganga (SMCG), Government of Uttarakhand, to conduct comprehensive Environmental and Social Audits of STPs and I&D units in nine locations across the districts of Haridwar, Tehri, Dehradun, and Nainital. These audits are intended to assess the environmental performance and community-level impact of Ganga rejuvenation infrastructure and ensure that interventions are aligned with sustainability and compliance frameworks.

Districts Covered: Haridwar, Tehri, Dehradun, and Nainital



STP under Namami Gange Initiative



STP monitoring and Audit under Namami Gange





Sensitization of masses on important of clean water under Namami Gange

7. Research, Innovation, and Policy Integration

SRHU promotes research-driven solutions for water reuse and conservation. Research projects, patents, and peer-reviewed publications reflect the university's academic commitment to developing low-cost, scalable technologies. Water management policies guide the campus community in source segregation, compliant disposal, and safe reuse of wastewater.

Number of patents in water technology: 3 (including rooftop harvester and direct injection system

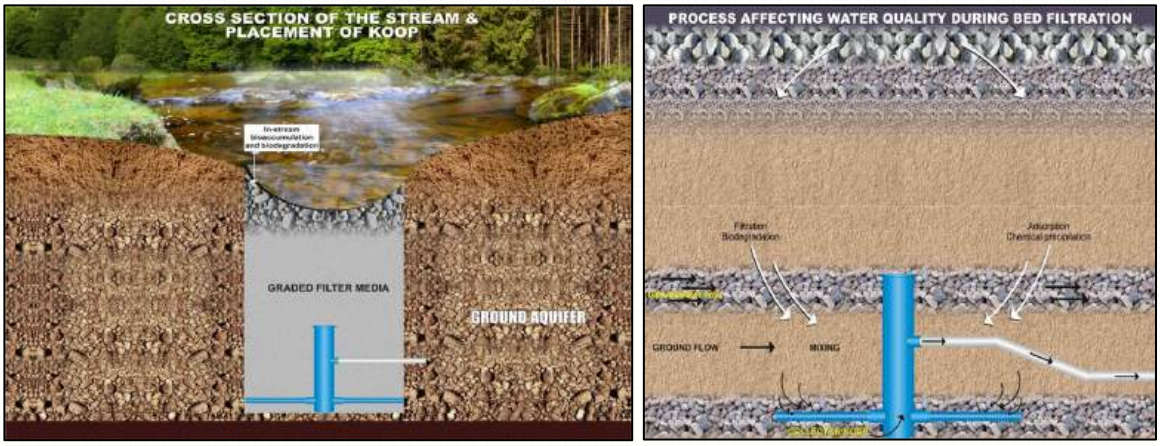
As part of its commitment to sustainable development and water security, Swami Rama Himalayan University (SRHU) has initiated a research project titled "Affordable Climate-resilient Water Supply Infrastructure for the Indian Himalayan Region." This initiative aims to address the acute challenges of water scarcity, inaccessibility, and climate vulnerability faced by indigenous mountain communities. The project focuses on designing and developing a low-cost, climate-resilient, and prefabricated source tapping and filtration system, piloted in a selected mountain village with the intent to scale up across similarly vulnerable geographies.

Key Outcomes

- **Reliable Potable Water Access**: The pilot will ensure year-round availability of clean and safe drinking water, particularly in remote and high-altitude areas where conventional water systems are often unviable.
- **Health and Economic Benefits**: Reduced incidence of waterborne diseases will contribute to **lower healthcare costs** and improved community well-being.
- **Environmental Sustainability**: By employing context-appropriate, low-impact solutions, the system minimizes ecological disturbances in **environmentally sensitive Himalayan terrain**.

- **Community Empowerment**: The project includes training modules to equip local communities with the **knowledge and skills to operate and maintain** the system, fostering ownership and long-term sustainability.

This research-based intervention not only supports the national mission of “Har Ghar Jal” but also strengthens India’s progress toward achieving SDG 6 targets by ensuring equitable access to safe and affordable drinking water for vulnerable populations.



Design Drawing for low-cost, climate-resilient, and prefabricated source tapping and filtration system developed by WATSAN



Water being collected post installation of low cost underground water filtration

The University provides research funds to promote the research for conduction of research. To name a few intramural projects funded by the University that aligns with SDG 6 are:

S. No.	Name of the project	Duration of the project	Name(s) of the teacher(s) working in the project receiving seed money
1.	Upgrading plant microbe-based approach to enhance phytoremediation method in contaminated water body	1 year	Dr Vivek Kumar
2.	Water quality assessment in a selected Urban Slum of Doiwala Block in district Dehradun	1 year	Dr. Abhay Srivastava

SRHU has addressed critical challenges such as water quality monitoring, wastewater management, bioremediation, groundwater safety, and the development of affordable water

technologies. The following Scopus-indexed publications exemplify the University's evidence-based approach to improving access to clean water, mitigating waterborne health risks, and fostering sustainable environmental stewardship across vulnerable ecosystems, particularly in the Indian Himalayan Region.

SN	PUBLICATION TITLE
1	Mapping of radionuclides for radiological impact assessment in cultivated soil of Punjab, India
2	Spatial distribution analysis of soil radioactivity using gamma-ray spectroscopy and radiological inferences
3	Hospital-associated effluents: the masked environmental threat that needs urgent attention and action
4	Study of radiation exposure to radon in groundwater using scintillation-based RnDuo technique: A statistical analysis for risk assessment
5	Environmental restoration of polyaromatic hydrocarbon-contaminated soil through sustainable rhizoremediation: insights into bioeconomy and high-throughput systematic analysis
6	Assessment of soil gas radon migration and transport through the estimation of radon diffusion length and diffusion coefficient in the soil matrix
7	Measurement of natural radionuclides and health risk assessment in soil samples of the Main Central Thrust region in Garhwal Himalaya, India
8	Spatial analysis and soft computational modeling for hazard assessment of potential toxic elements in potable groundwater
9	Impact of Artificial Intelligence (AI) in Bioremediation of Dairy Effluent by Microalgae and the Potential Application of the Produced Lipid Byproducts
10	Appropriate Hand Drying - The Missed Step of Hand Hygiene: A Qualitative Evaluation of Hand Drying Practices among Indian Health Care Workers
11	Human exposure to uranium through drinking water and its detrimental impact on the human body organs
12	Primary Pelvic Hydatid Cyst in Adolescent Female
13	Biochar production methods and their transformative potential for environmental remediation
14	Optimizing microbial strain selection for pyrethroid biodegradation in contaminated environments through a TOPSIS-based decision-making system
15	United nations sustainable development goals in the context of hydrological extremes
16	Exploring the potential of novel Bacillus sp. G6: Isolation, characterization, and optimization of biosurfactant production from oil-contaminated soil
17	Demineralized Water Consumption: Unravelling Current Trends and Health Effects
18	Investigating chemical pre-treatment methods: Valorization of wheat straw to enhance polyhydroxyalkanoate (PHA) production with novel isolate Bacillus paranthracis RSKS-3

19	Editorial: Potential of the plant rhizomicrobiome for bioremediation of contaminants in agroecosystems
20	Rhizomicrobiome as a potential source of microbial inoculants for use in in vitro biotization mediated acclimatization of micropropagated plants
21	Impact of Microorganism-Based Bioremediation on the Fauna and Flora of Different Matrices
22	Wireless System for Monitoring of Water Tank Using Emerging Technologies
23	LED fluorimetric analysis of uranium in potable groundwater and associated health concerns
24	Valorization of wastewater through bioremediation approach
25	Microbiological dimensions and functions in constructed wetlands: A review

Swami Rama Himalayan University

NAAC A+

SUSTAINABLE DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS



AFFORDABLE & CLEAN ENERGY

srhu.edu.in

Swami Rama Himalayan University (SRHU) has consistently championed the cause of clean and sustainable energy, aligning its operations, infrastructure, and research with the global vision of Sustainable Development Goal 7: "Affordable and Clean Energy." With a strong institutional commitment to environmental stewardship, SRHU has integrated renewable energy solutions, energy-efficient technologies, and sustainable practices across its campus. Through strategic initiatives such as large-scale solar power installations, advanced HVAC systems, LED retrofitting, and sensor-based automation, the university not only reduces its carbon footprint but also models responsible energy management. SRHU's contributions go beyond implementation—its research ecosystem actively explores innovative energy technologies and circular economy models, reinforcing its leadership in higher education's transition to a low-carbon future.

1. Renewable Energy Integration

1.1 Solar Power Systems Solar Energy

Swami Rama Himalayan University (SRHU) continues to lead by example in its commitment to sustainability and environmental responsibility. Embracing renewable energy as a core strategy to reduce its carbon footprint, SRHU has made significant strides in solar energy adoption over the past few years directly, aligning with SDG Target 7.2: *"By 2030, substantially increase the share of renewable energy in the global energy mix."*

Over the past three years, the University's rooftop solar power plants have generated a total of 6,112,417 kWh of clean energy, resulting in cost savings of approximately ₹1.96 crore. This clean energy production accounted for 13.99% of SRHU's total electricity demand of 43,682,417 kWh during the same period. These efforts support SDG Target 7.1: *"By 2030, ensure universal access to affordable, reliable and modern energy services,"* by promoting access to modern and clean energy on its campus and beyond.

Total power generated through solar power plants in the last 3 years – 71,60,055 kWh and savings of Rs. 2.51 Cr

- 2022-2023 – 20,93,841 kwh & Rs. 63,23,399/-
- 2023-2024 – 21,04,000 kwh & Rs. 78,90,000/-
- 2024-2025 – 29,62,214 Kwh & Rs. 1,09,28,081/-

Contribution from Renewal Energy on total power demand

- 2022-2023 – 16.28 %
- 2023-2024 – 14.76 %
- 2024-2025 – 17.43%

Electrical unit exported to grid

- 2022 – 2023 – 1,21,260 kwh
- 2023 – 2024 – 1,14,796 kwh

•2024 – 2025 – 1,38,312 Kwh

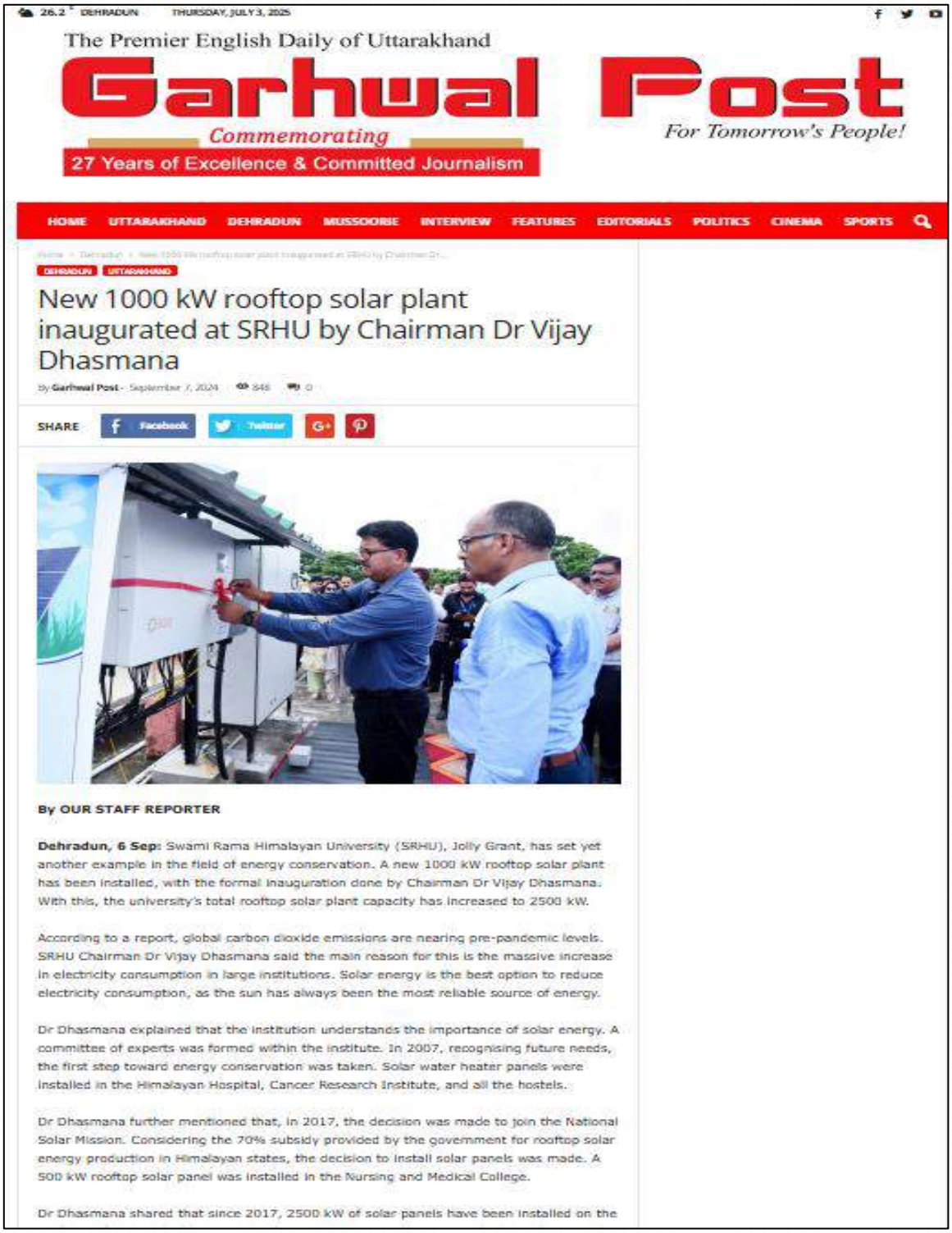
In a further demonstration of its long-term commitment to sustainability, SRHU commissioned a new 1 megawatt (MW) rooftop solar power plant on 17 August 2024, under a Power Purchase Agreement (PPA) with M/S Baskhi Engineering Works. This state-of-the-art, on-grid installation features monocrystalline 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."*

Through these initiatives, SRHU continues to set a benchmark for higher education institutions striving to integrate sustainability into their infrastructure and operations while making tangible contributions toward the achievement of SDG7.





Inauguration of the new 1 MW rooftop solar plant at the University building, SRHU



26.2° DEHRADUN THURSDAY, JULY 3, 2025

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DEHRADUN UTTARAKHAND

New 1000 kW rooftop solar plant inaugurated at SRHU by Chairman Dr Vijay Dhasmana

By Garhwal Post - September 7, 2024 846 0

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By OUR STAFF REPORTER

Dehradun, 6 Sep: Swami Rama Himalayan University (SRHU), Jolly Grant, has set yet another example in the field of energy conservation. A new 1000 kW rooftop solar plant has been installed, with the formal inauguration done by Chairman Dr Vijay Dhasmana. With this, the university's total rooftop solar plant capacity has increased to 2500 kW.

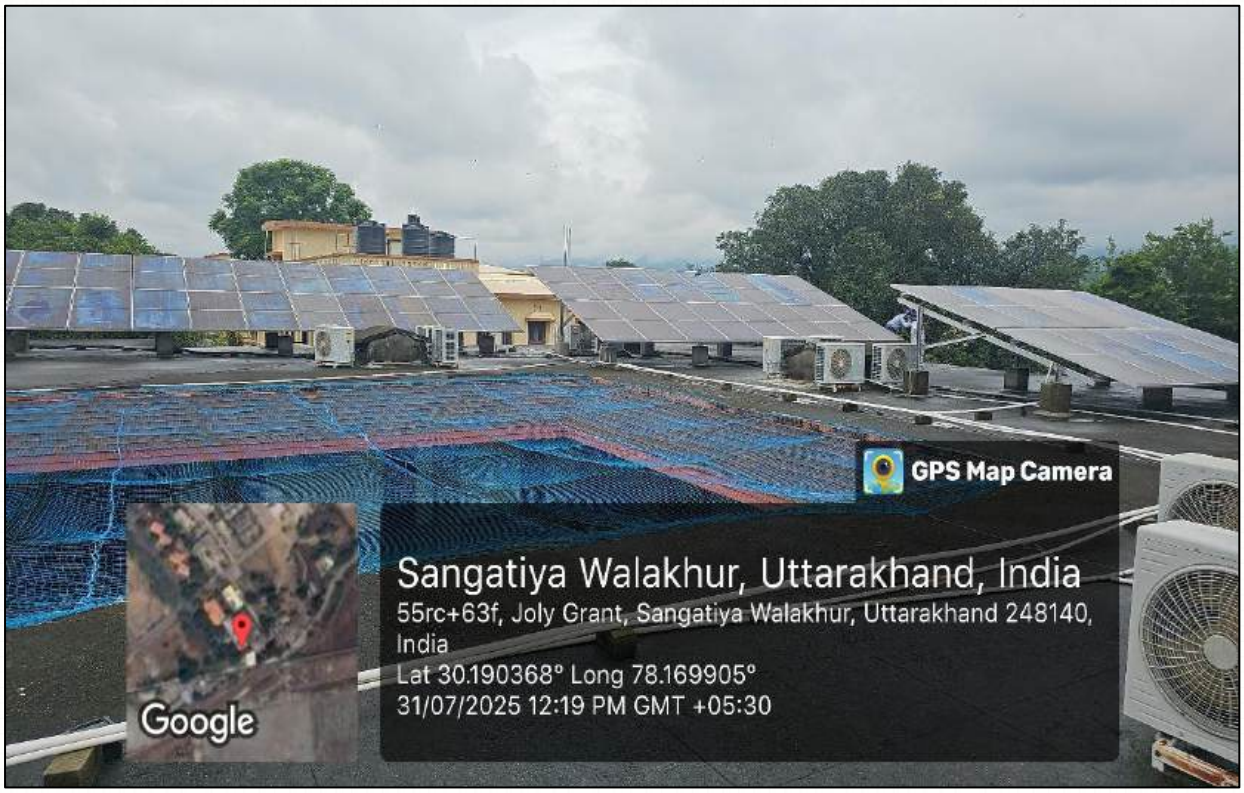
According to a report, global carbon dioxide emissions are nearing pre-pandemic levels. SRHU Chairman Dr Vijay Dhasmana said the main reason for this is the massive increase in electricity consumption in large institutions. Solar energy is the best option to reduce electricity consumption, as the sun has always been the most reliable source of energy.

Dr Dhasmana explained that the institution understands the importance of solar energy. A committee of experts was formed within the institute. In 2007, recognising future needs, the first step toward energy conservation was taken. Solar water heater panels were installed in the Himalayan Hospital, Cancer Research Institute, and all the hostels.

Dr Dhasmana further mentioned that, in 2017, the decision was made to join the National Solar Mission. Considering the 70% subsidy provided by the government for rooftop solar energy production in Himalayan states, the decision to install solar panels was made. A 500 kW rooftop solar panel was installed in the Nursing and Medical College.

Dr Dhasmana shared that since 2017, 2500 kW of solar panels have been installed on the

News coverage of new solar plant installation at Swami Rama Himalayan University with capacity of 1000Kw (For more information)

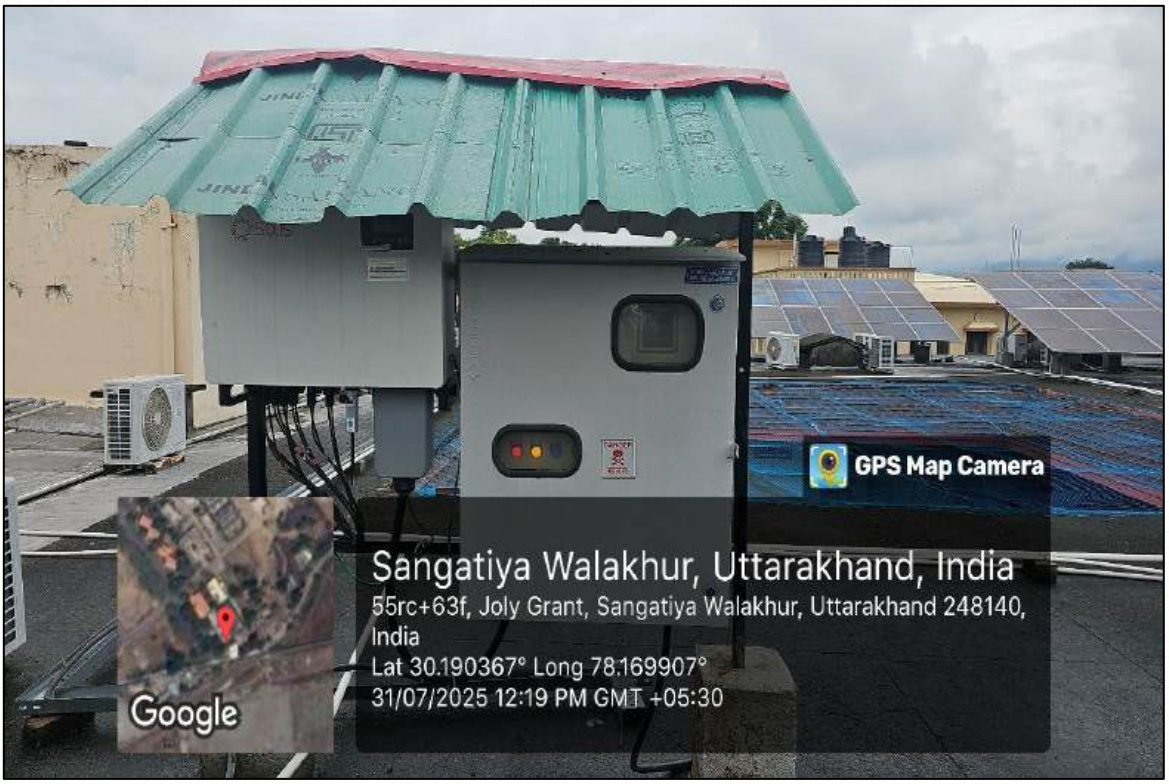


Rooftop Solar Panels at the Guest House

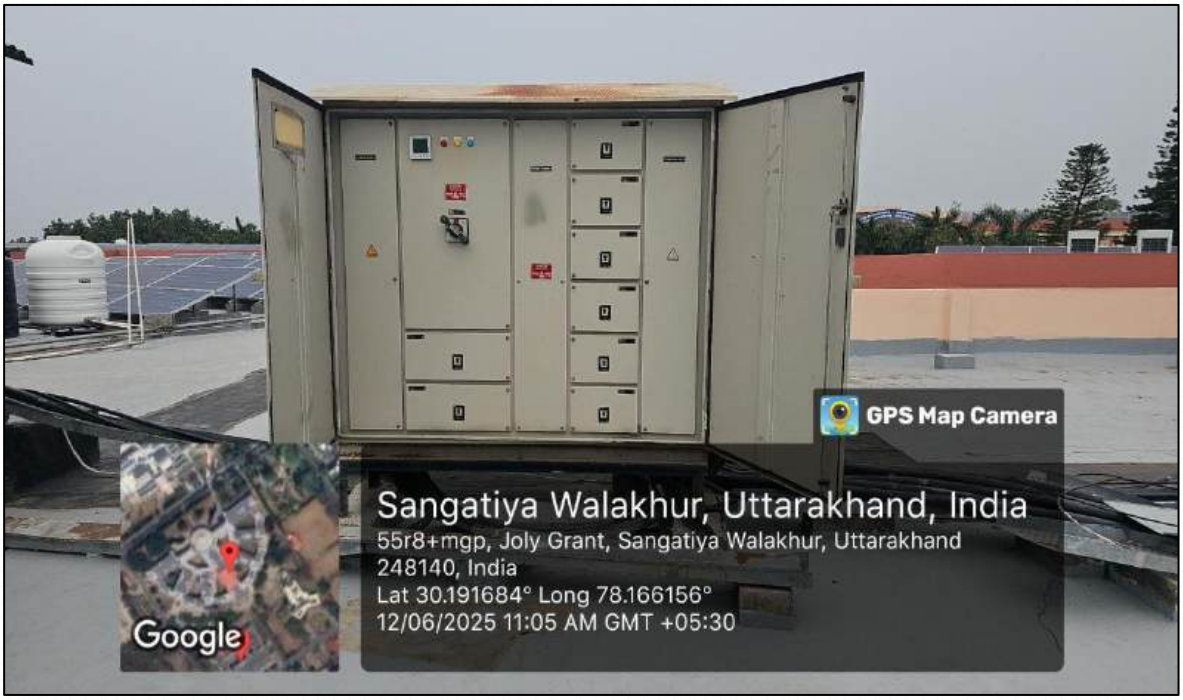




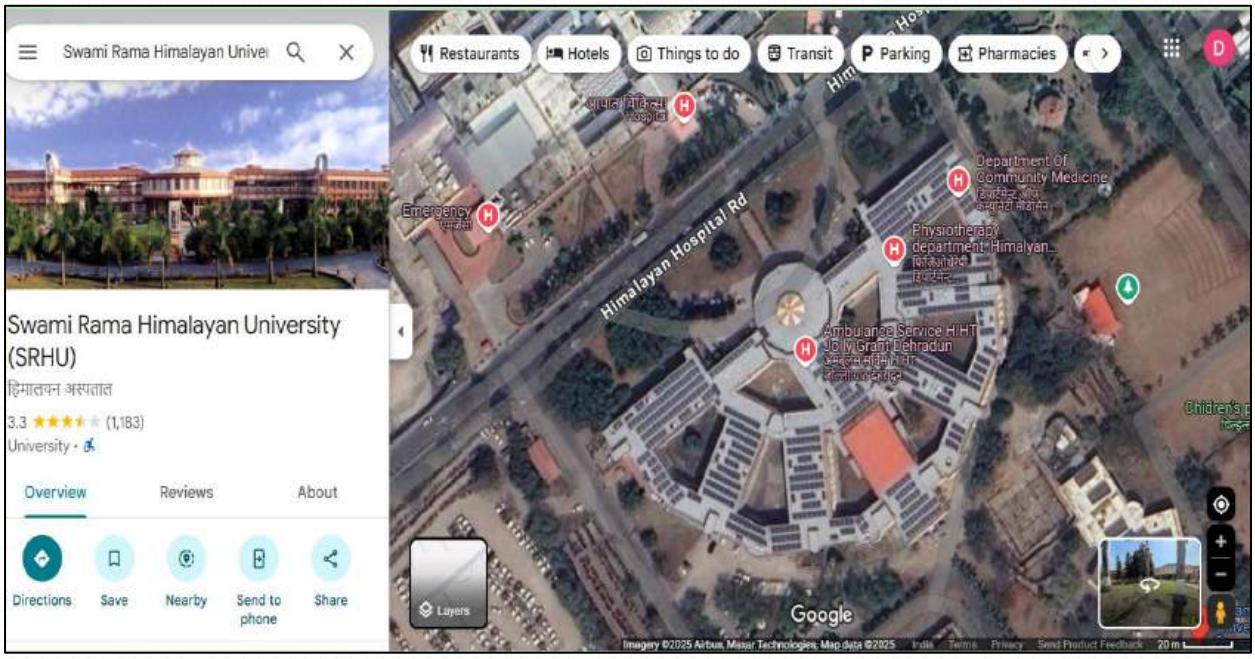
Rooftop solar panels at School of Management and School of Science and technology harnessing renewable energy to promote sustainability and reduce carbon footprint.



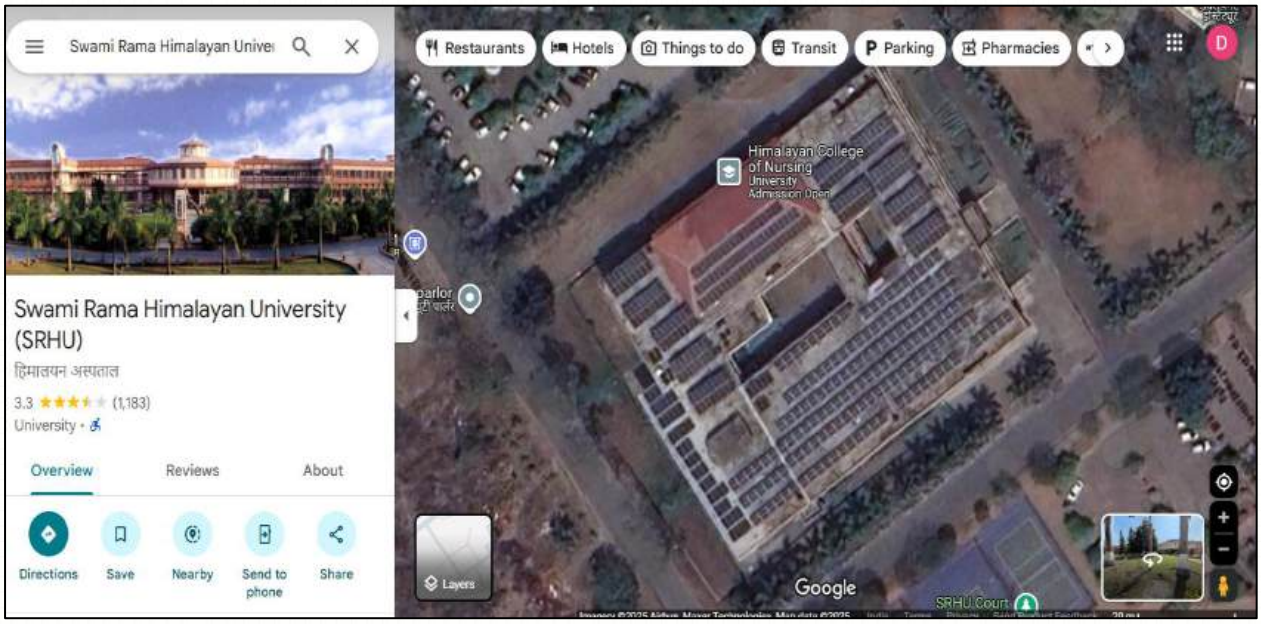
Inverter and Electrical Control Panel at the Guest House Rooftop



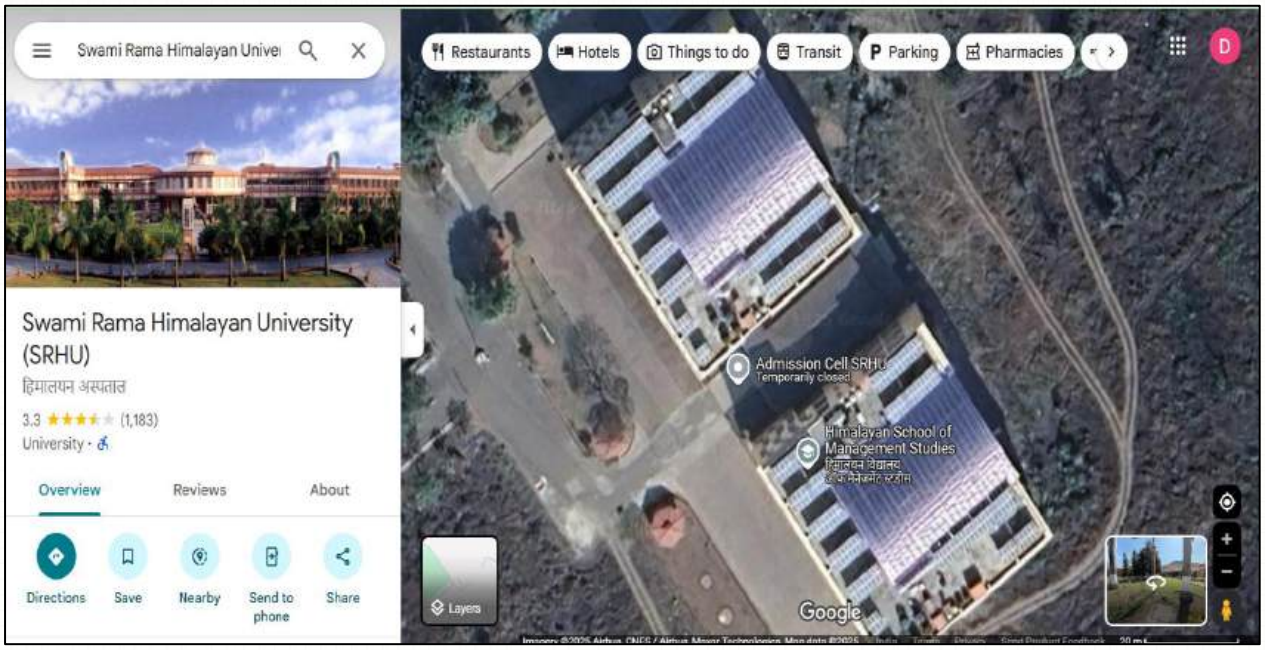
Solar PV plant on- grid inverter for wheeling to the grid



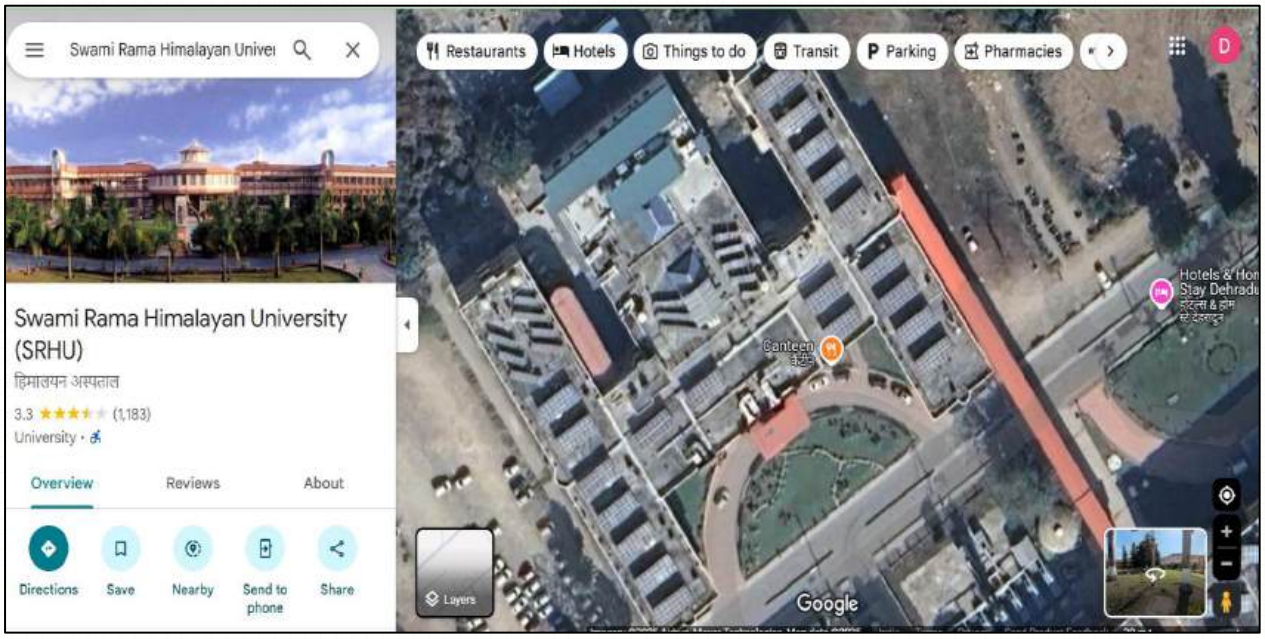
Aerial view of Solar panels at HIMS (Google Maps)



Aerial view of Solar panels at HCN (Google Maps)



Aerial view of Solar panels at SMS and SST (Google Maps)



Aerial view of Solar panels at Cancer Research Institute (CRI), SRHU (Google Maps)

SRHU has made significant strides in integrating renewable energy into its healthcare infrastructure. With an installed capacity of 50,000 litres per day (LPD) solar water heating system, the university has effectively replaced conventional energy sources for water heating needs across its Hospital,

Cancer Research Institute wards, and residential hostels, ensuring a round-the-clock supply of hot water.

This green initiative has led to substantial energy and cost savings:

- Annual electricity savings equivalent to 7,50,000 kWh
- Thermal energy savings of over 8,100 GJ in the last three years
- Cumulative savings of 22,50,000 kWh and approximately ₹1.28 crore

Year-wise financial savings include:

- ₹41.40 lakh in 2022–23 (tariff ₹5.52/kWh)
- ₹46.87 lakh in 2023–24 (tariff ₹6.25/kWh)
- ₹54.75 lakh in 2024–25 (tariff ₹7.30/kWh)

The University's efforts have also been supported by a ₹24.78 lakh subsidy from UPCL over the last three years, underscoring institutional commitment and stakeholder support toward clean energy adoption and climate action.



Solar water Heater installed at the rooftop of working women hostel

1.2 Biogas Plant

- Area: 750 Sq ft
- Capacity: 4 M3/ day

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"*.

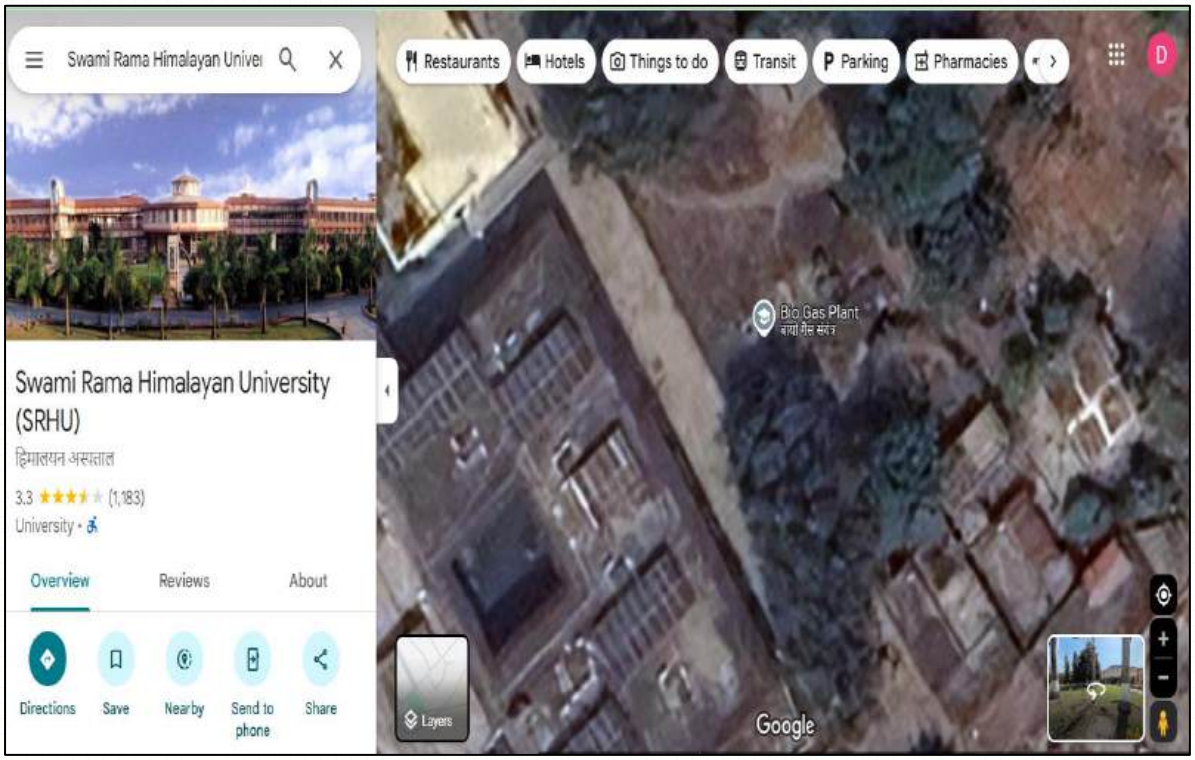
Located behind the university guest house, the biogas plant has a daily capacity of 4 cubic meters (m^3) and operates using cow dung from the campus dairy and vegetable waste from the guest house kitchen as feedstock. The biogas generated is efficiently utilized for cooking in the guest house kitchen, 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.



Biogas plant at Swami Rama Himalayan University converts organic waste into clean cooking fuel

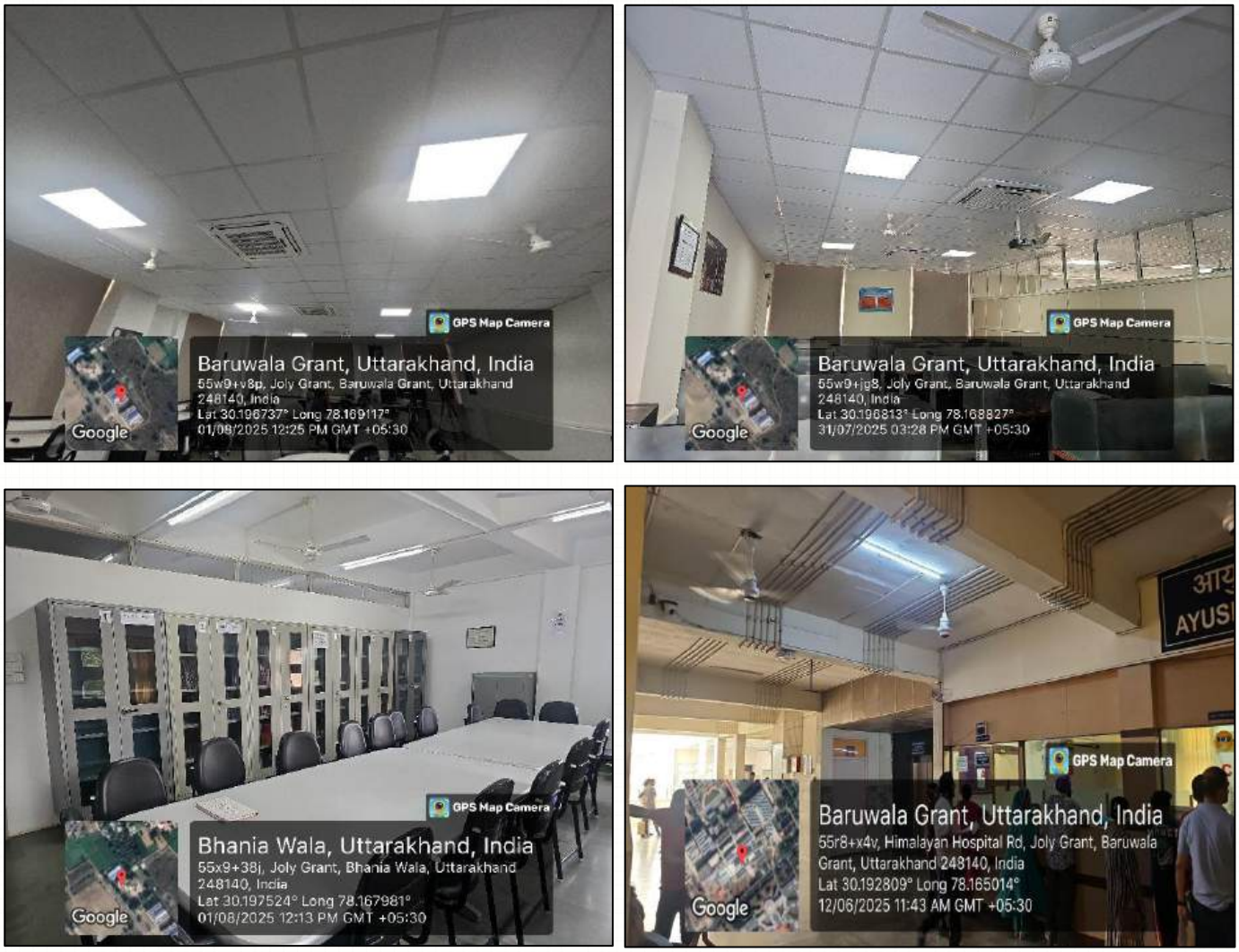


Aerial view of Biogas Plant at SRHU (Google Maps)

2. Energy Efficiency Measures

2.1 Use of LED bulbs/power-efficient equipment

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.

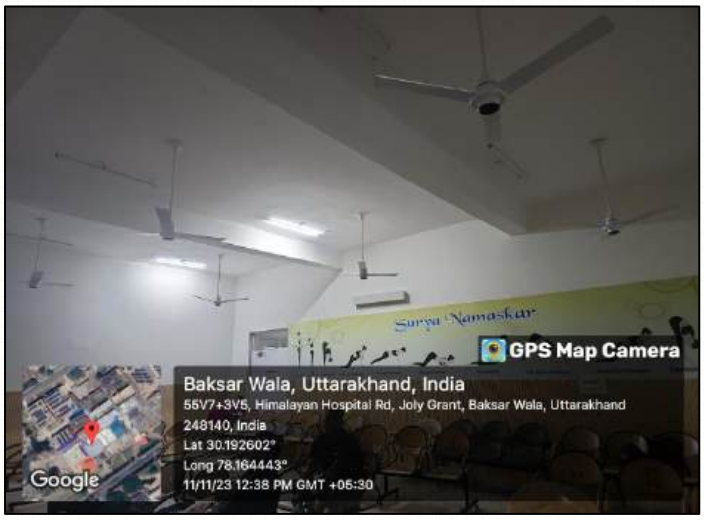


LED lighting at the University office as a step promoting energy efficiency

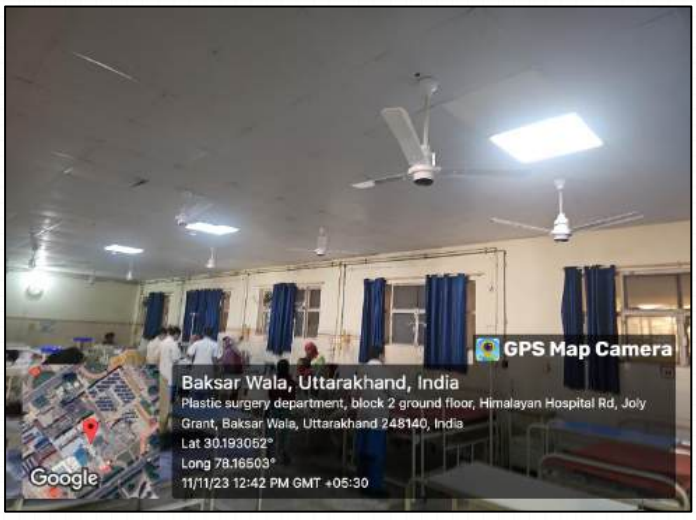
The University has replaced 2,000 conventional 70-watt ceiling fans with energy-efficient 32-watt Brushless Direct Current (BLDC) fans. This major upgrade has resulted in estimated annual energy savings of 3,04,608 kWh, based on 8 months of use for 20 hours per day. BLDC fans also offer several advantages including lower operating costs, better airflow, reduced noise, longer lifespan, and minimal maintenance needs, aligning with SRHU's green campus goals (SDG Target 7.3).



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



BLDC Fans at Radiology Waiting Area



BLDC Fans at Obstetric ward, Himalayan Hospital

SRHU has installed over 800 split inverter air conditioners, all rated by the Bureau of Energy Efficiency (BEE). These AC units are capable of achieving 20–45% energy savings compared to conventional models. By using inverter technology, they adjust cooling output based on

room conditions, which improves energy performance and occupant comfort across hostels, classrooms, and healthcare areas.





Energy Efficient split inverter air conditioners

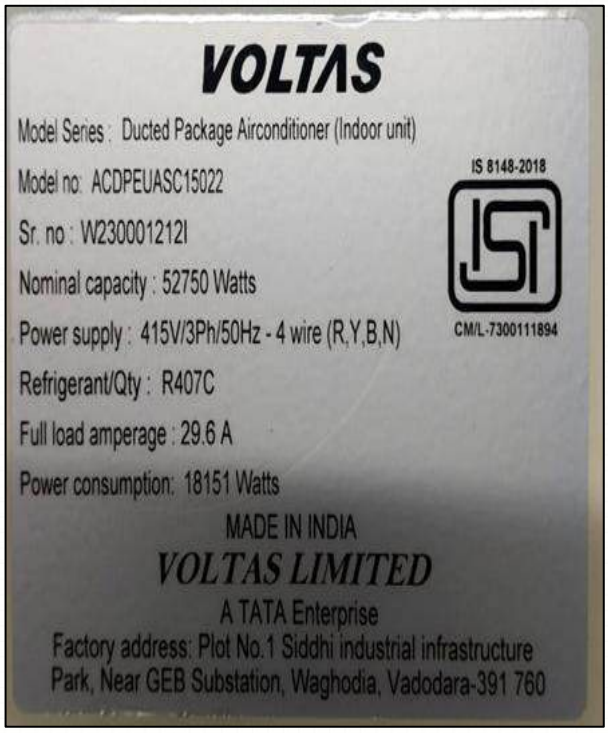
The University's centralized HVAC system aligns with SDG 7.3 by incorporating Variable Frequency Drive (VFD) pumps in water-cooled chillers, which dynamically adjust motor speed

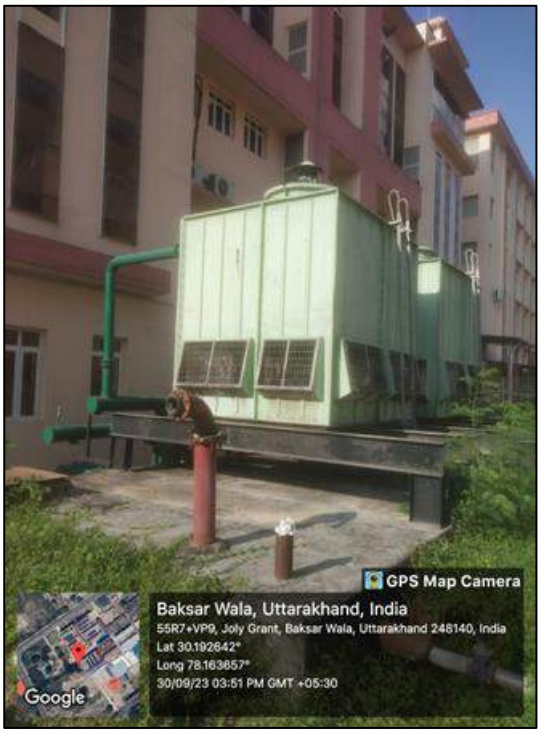
based on demand, reducing power consumption. A heat recovery wheel recaptures up to 85% of return air temperature, contributing to thermal efficiency. Additionally, Mechanical Ventilation with Heat Recovery (MVHR) systems are employed to reduce load on air conditioners, achieving 25–50% energy savings. 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, reduce energy consumption





BEE star rated energy efficient AC package unit supporting HVAC system

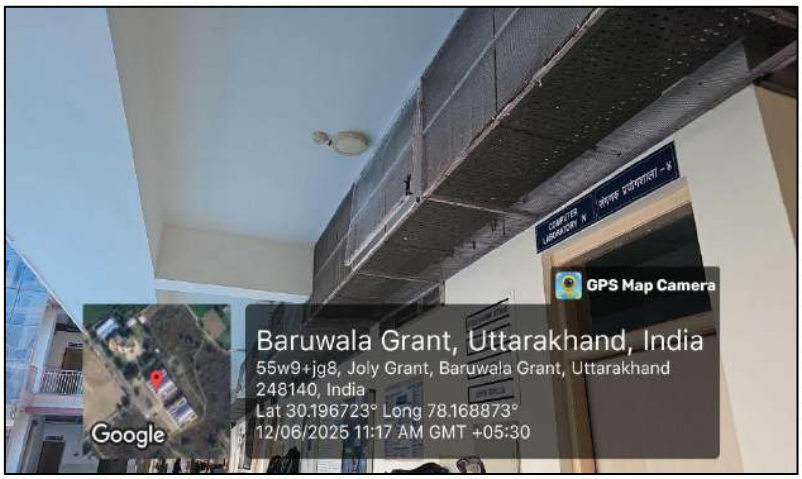
SRHU operates nine diesel generator sets of 500 KVA each, serving as backup power for critical facilities. These DG sets are fully CPCB-compliant in terms of emissions, noise levels, and stack height. Equipped with Automatic Mains Failure (AMF) panels and load synchronization systems, they operate based on actual demand, reducing unnecessary fuel use. In 2024–25, the DGs contributed 2.59% of the university's total power demand, with all emissions tested biannually in NABL-accredited laboratories and found within permissible limits.



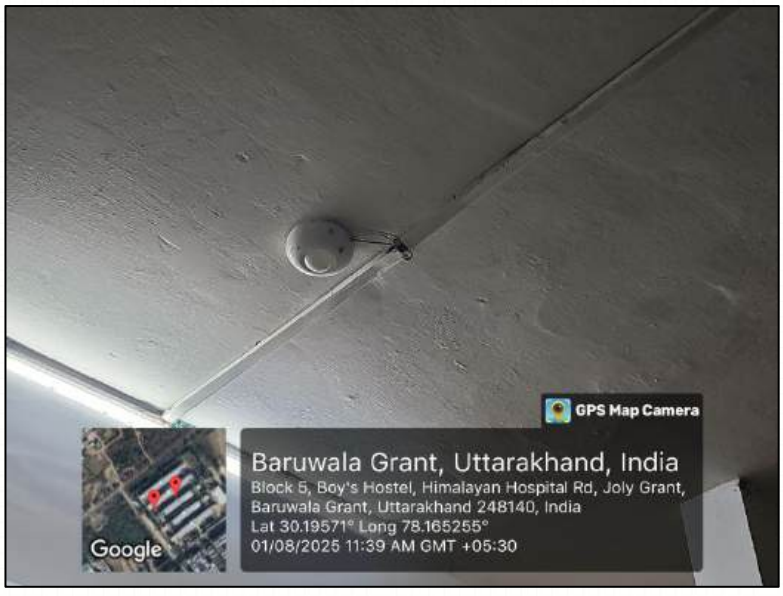
9 Diesel generator sets with Automatic Mains Failure panels and load synchronization syste

2.2 Sensor-Based Energy Conservation

SRHU is actively promoting energy conservation across its campus through the adoption of smart and efficient technologies. To optimize electricity usage, Passive Infrared (PIR) sensors have been installed at select locations within the University. These sensors detect infrared radiation emitted by moving objects, such as people, and automatically switch on the lights when motion is detected, thereby minimizing unnecessary energy consumption. In addition, the University has implemented advanced automation systems in its power backup infrastructure.



Motion based sensor lights at the Engineering college building



Motion based sensor lights at the Block 5, Boys Hostel, SRHU

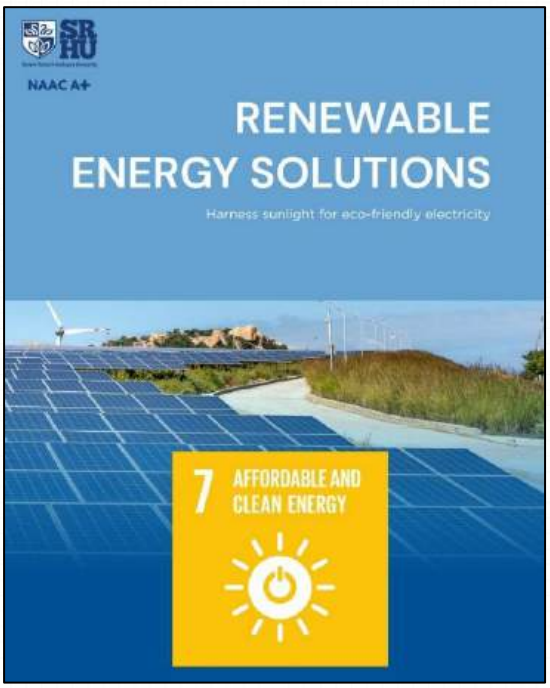
2.3 ISO 50001:2018 Energy Management System

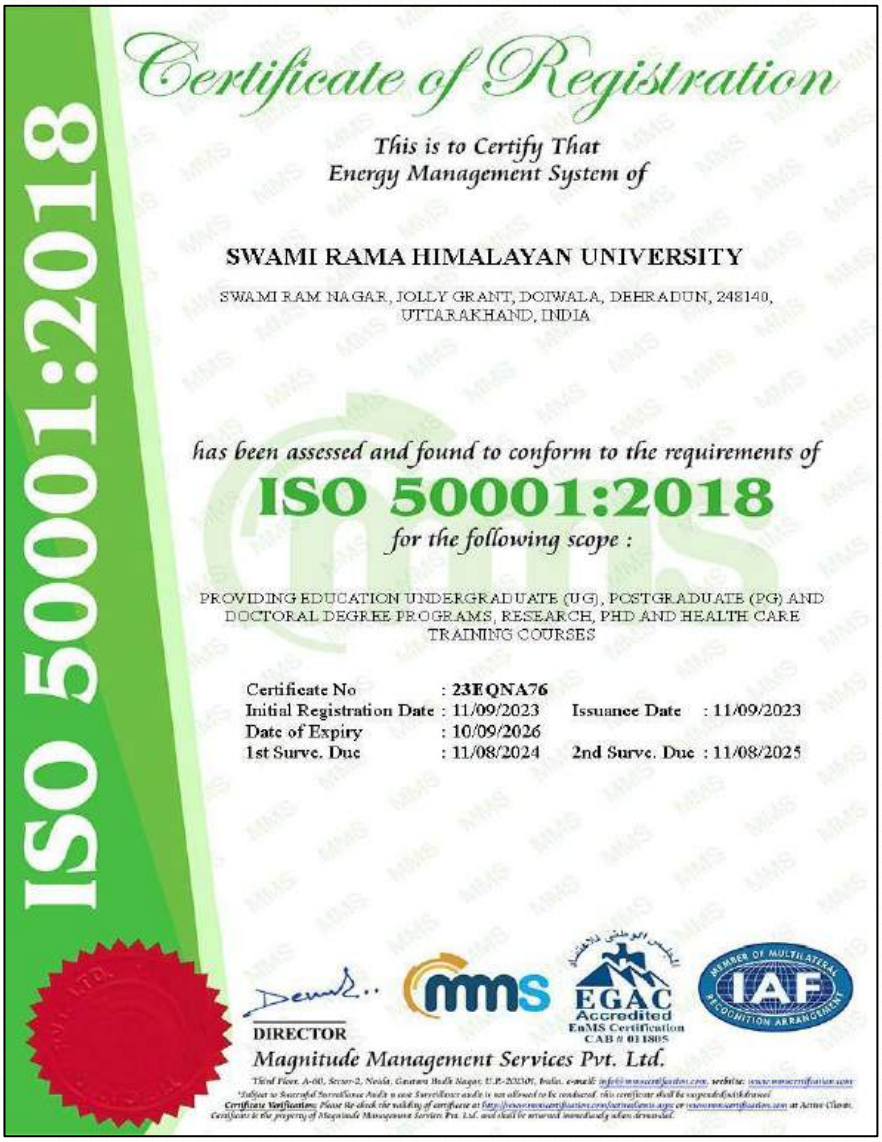
SRHU has been awarded the ISO 50001:2018 certification for its Energy Management System (EnMS), reinforcing its structured and data-driven approach to energy efficiency. This international standard provides a proven framework for organizations to develop and implement policies for more efficient energy use, continually improve energy performance, and reduce environmental impact.

The certification aligns directly with SDG Target 7.3: "By 2030, double the global rate of improvement in energy efficiency," and demonstrates SRHU's commitment to:

- Establishing a comprehensive energy management policy
- Setting and tracking energy performance indicators
- Conducting internal audits and reviews for continuous improvement
- Reducing energy consumption and greenhouse gas emissions

The ISO 50001:2018 framework supports many of SRHU's ongoing initiatives—such as LED retrofitting, BLDC fan replacements, solar power generation, HVAC upgrades, smart automation, and DG load optimization—ensuring that they are not just standalone projects but part of an institutionalized energy strategy. By integrating ISO 50001:2018 into its campus operations, SRHU has institutionalized energy responsibility and accountability, further validating its leadership in achieving the goals of SDG 7





ISO 50001:2018

Certificate of Registration

This is to Certify That
Energy Management System of

SWAMI RAMA HIMALAYAN UNIVERSITY

SWAMI RAM NAGAR, JOLLY GRANT, DOIWALA, DEHRADUN, 248140, UTTARAKHAND, INDIA

has been assessed and found to conform to the requirements of

ISO 50001:2018

for the following scope :

PROVIDING EDUCATION UNDERGRADUATE (UG), POSTGRADUATE (PG) AND DOCTORAL DEGREE PROGRAMS, RESEARCH, PHD AND HEALTH CARE TRAINING COURSES

Certificate No : 23EQNA76
Initial Registration Date : 11/09/2023 Issuance Date : 11/09/2023
Date of Expiry : 10/09/2026
1st Surve. Due : 11/08/2024 2nd Surve. Due : 11/08/2025

DIRECTOR
Magnitude Management Services Pvt. Ltd.

EGAC Accredited EnMS Certification CAB # 011805

IAF MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT

ISO 50001:2018 certification for Energy Management System (EnMS), awarded to SRHU

3. Research and Projects Supporting SDG 7

In pursuit of Sustainable Development Goal 7 — ensuring access to affordable, reliable, sustainable, and modern energy — the University has actively contributed to research that addresses energy efficiency, renewable energy integration, waste-to-energy technologies, and sustainable materials. A selection of recent scholarly publications (2024-2025) reflects the University's multidisciplinary approach to advancing clean energy solutions:

SN	PUBLICATION TITLE	DOI

1.	Advancements in energy storage applications: harnessing the potential of fish industry waste	10.1007/s43939-024-00161-y
2.	Analysis of Smart City Solutions for Sustainable Urban Growth in India	10.1109/CE2CT64011.2025.10939348
3.	Design expert based optimization of the pyrolysis process for the production of cattle dung bio-oil and properties characterization	10.1038/s41598-024-57843-z
4.	Correction to: Advancements in energy storage applications: harnessing the potential of fish industry waste	10.1007/s43939-025-00187-w
5.	Synthesis and characterization of sustainable hybrid bio-nanocomposite of starch and polypropylene for electrical engineering applications	10.1515/jmbm-2025-0038
6.	Green Synthesis of Al2O3 Nanoparticles from Agro-Waste as a Sustainable Approach	10.1109/HISET61796.2024.00045
7.	Numerical analysis of the return flow solar air heater (RF-SAH) with assimilation of V-type artificial roughness	10.1016/j.enbenv.2022.09.002
8.	Node MCU and Lily Pad based Relay Protection System For Laboratory Micro-Grid	10.1109/ICSD60021.2024.10751602
9.	An overview of renewable energy sources: technologies, applications and role of artificial intelligence	10.1016/B978-0-443-28947-7.00001-X

Swami Rama Himalayan University

NAAC A+

SUSTAINABLE DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS



DECENT WORK AND ECONOMIC GROWTH

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equality, and employee welfare. With a strong focus on inclusive growth, SRHU fosters entrepreneurship, livelihood generation, and sustainable employment for youth, women, and marginalized groups—reflecting its commitment to equitable treatment, innovation, and community development.

1. Ensuring Dignified Employment:

SRHU upholds dignified employment through fair pay, gender equity, and employee welfare as core institutional values. Though specific wage and healthcare details are not publicly listed, its policies reflect a strong commitment to fairness and inclusion.

- **Fair Wages and Transparent HR Practices**: SRHU operates under a formal Recruitment and Service Code that enforces principles like "no work, no pay" but also guarantees structured compensation and clear leave rules. **Code of Conduct**
- **Gender Equality and Anti-Discrimination:** The University has an Internal Complaints Committee (ICC) dedicated to addressing sexual harassment cases, adhering to UGC norms. In the 2023–24 academic year, no harassment complaints were filed, indicating proactive prevention and awareness measures. Gender sensitization workshops, International Women's Day celebrations, and awareness events further reinforce a non-discriminatory and inclusive working environment. **Internal Complaints Committee**
- **Healthcare and Welfare:** SRHU reflects its welfare-oriented approach by offering fee concessions to female students—a one-time 25% tuition fee waiver at the time of admission—and free-ship for orphans, covering full tuition for one eligible candidate per academic program on a first-come, first-served basis. These initiatives support access to higher education for underrepresented and vulnerable groups. **Policy for Scholarships and Fee Concession**
- **Inclusive Governance:** SRHU maintains dedicated cells for addressing grievances among marginalized groups, including SC, ST, OBC, persons with disabilities (PwDs), and women. These bodies deliberate on reservation policy, support measures, and anti-discrimination efforts as part of institutional equity frameworks. **SC/ST/OBC/Minority Cell**

2. Strengthening Innovation and Entrepreneurship

Himalayan Centre for Innovation and Entrepreneurship (HCIE)

HCIE serves as the nucleus of SRHU's entrepreneurial ecosystem by offering:

- **Infrastructure:** Coworking space, Maker's Space, training rooms, and conference facilities.
- **Support Services:** Mentorship, access to funding, marketing support, and training.
- **Startup Incubation**:
  - **Canfinis Therapeutics Pvt. Ltd.** – pioneering personalized oncology innovations.
  - **Himfla Pvt. Ltd.** –promoting Himalayan salt and supporting SHGs and hill farmers.
  - **ULO Labs Pvt. Ltd.** –developing plant-based nutraceuticals for wellness.



- **Pre-Startups:**
  - **Mindura Yogwell** – focusing on wellness, yoga, and holistic health.
  - **The Food Project** – student-led initiative sourcing fresh produce from local farmers, supporting sustainable agriculture and community nutrition.

- **Graduated Startups** [Start-ups -Graduated / In-progress]
  - **MEQ Academy – corporate training and IT services.**
  - **Jasarena India** – event management and business branding services.

These ventures contribute to local employment, rural income generation, and skill-building, particularly in underserved Himalayan regions.

Awareness and Outreach

- Entrepreneurial awareness sessions across technology, yoga, nursing, and biotechnology disciplines. **Sample Report**
- Business plan competitions like **"Fish Tank"**, culminating in startups such as **Mindura Yogwell**.

3. Community-Based Livelihood and Economic Development

3.1 Comprehensive Community Development Program (CCDP)

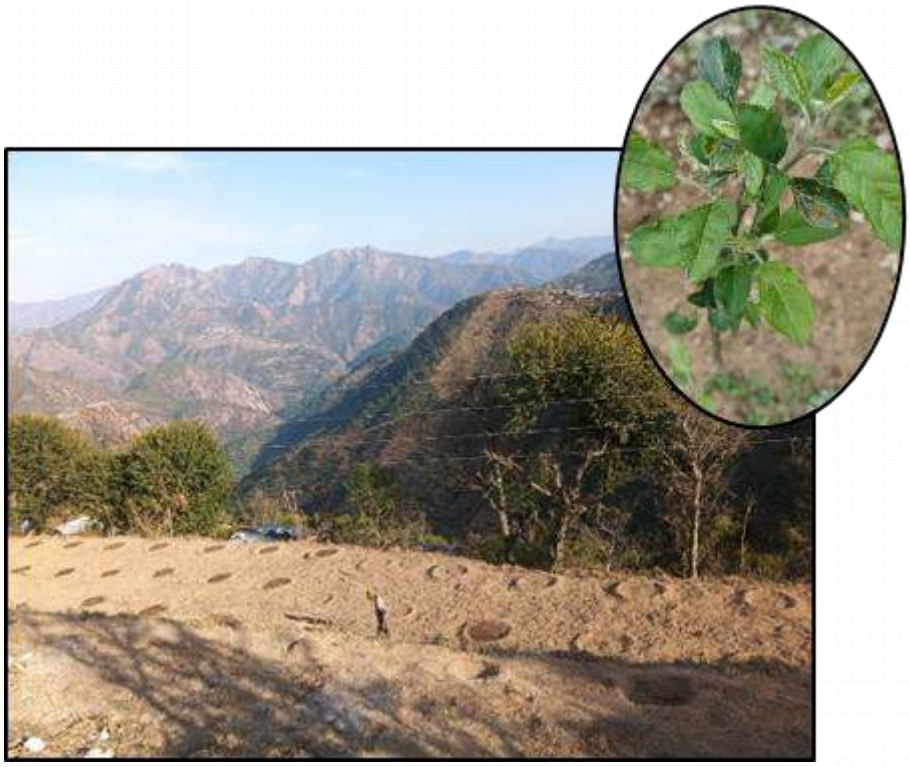
Launched in **2019 in the Toli region**, and later expanded to **Malethi**, this initiative strengthens grassroots economic resilience:

- **Cultivation and Agro-Economy:**
    - **Use of wasteland for high-value crops: turmeric, ginger, garlic, rosemary, millets.**
    - **A value-addition center established for processing and packaging produce.**
    - **The buy-back model ensures fair prices and market linkage.**
    - **Development of 4.374 acres of barren land for cultivation.**
    - **Launch** of a **pilot apple orchard** (150 saplings) to diversify income sources.






Under CCDP, farmers are empowered for pre and post harvesting of various crops and spices, thus focusing on strengthening livelihoods through income-generation activities



Pilot initiative for apple cultivation

3.2 Skill-Based and Cottage Industry Livelihoods

Tailoring and Handicraft Unit

- Undertook stitching assignments for SRHU hospitals, convocation events, and yoga programs.
- Supported underprivileged areas through clothing and essentials distribution.
- **Training programs:**
    - T**ailoring for 11 women at Nagthat Tailoring Centre.**
    - **Handloom weaving for 4 women on-campus.**
    - **A new** tailoring center opened for **Gujjar Basti women**.




Handloom Unit

- Produced 300 meters of handwoven cloth, 40 stoles, and 60 mufflers.
- Trained 3 rural volunteers in weaving and design.



Waste Paper Recycling Unit

- Produced **7,242 recycled sheets**, **1,003 diaries**, and **1,500 envelopes** using university-generated waste.
- Contributed to **green employment** and sustainable paper practices.
- Contributed to **green employment** and sustainable paper practices.







Paper making in progress at the Waste Paper Recycling unit

3.3 Skill Development Courses for Rural Youth

- **Integrated Skill Development Courses** launched in May 2024:
  - **Office Assistant cum Computer Operator (450 hours):** 42 graduates.
  - **Electrician cum Plumber (470 hours total)**: 40 graduates.
- Courses focus on practical employability, soft skills, and entrepreneurship.





Skill development course for Office Assistant cum Computer Operator and certificate distribution



Skill development course for Electrician cum Plumbers with hands on training



Training in progress and field visit for Electrician-cum-Plumbers



The training concluded with the distribution of certificates to all participants

4. Advancing Research-Driven Economic Innovation

Seed Money Initiative

- Funding for exploratory, high-risk, and interdisciplinary research. **Link for Policy**
- Outcomes include **prototypes**, **patents**, **conference papers**, and **Scopus-indexed publications**.
- Students are actively engaged to develop **critical thinking** and career readiness.

5. Promoting Decent Work and Employee Welfare

Policies and Benefits

- **Leave Entitlements**: Paid maternity, study, medical, academic, and privileged leave. **Policy**
- **Healthcare**: Free services for employees and dependents. **Policy**
- **Family Support**: Ex-gratia for bereaved families, tuition fee discounts, and education loans. **Policy**
- **Employee Welfare Fund**: Offers emergency financial support and training aid. **Policy**
- **Recreational Facilities**: Gymnasiums, yoga centers, and sports grounds.
- **Infrastructure**: Residential housing and subsidized transport (for those commuting from neighbouring towns to the University).

6. Social Equity and Inclusive Economic Practices

SRHU's economic growth model is deeply inclusive:

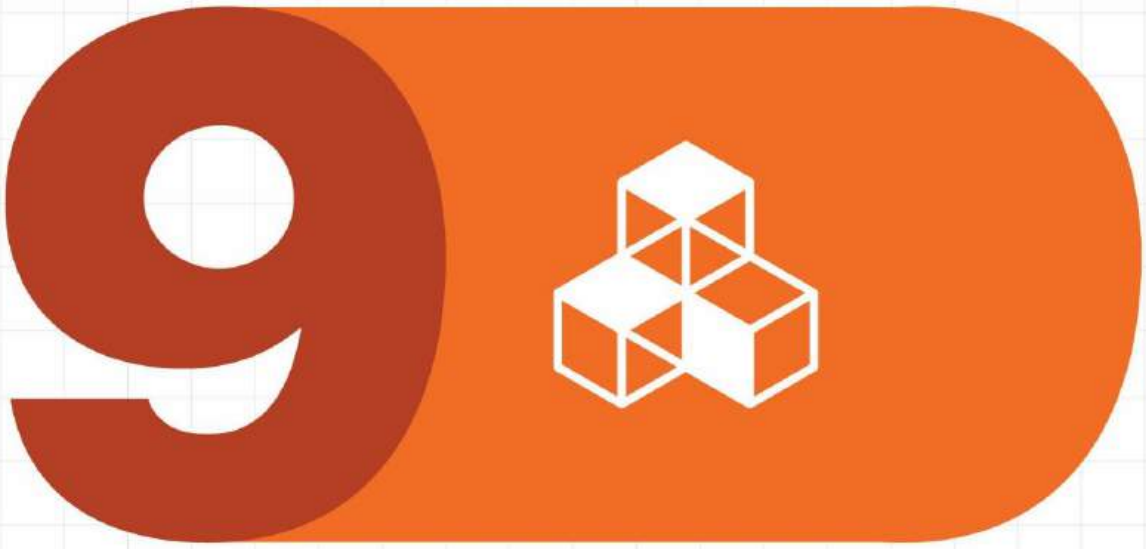
- Programs encourage **women's leadership** in agriculture and tailoring.
- Youth are empowered via targeted **technical skills** and entrepreneurship exposure.
- Marginalized communities benefit through **RDI** partnerships in over **800 villages**, covering **28 states**.

Swami Rama Himalayan University

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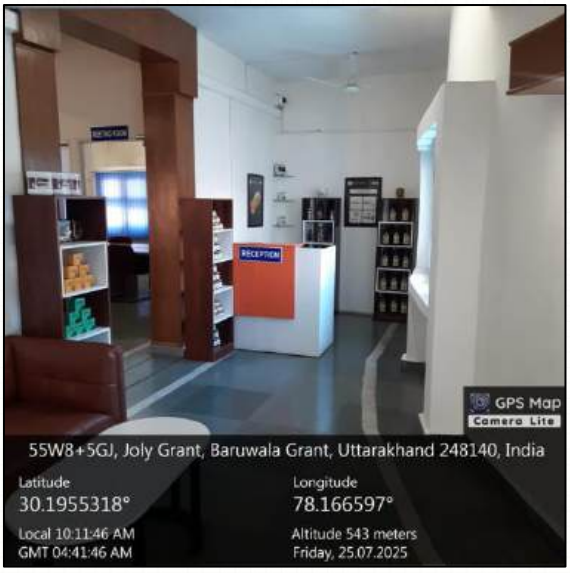
1. Innovation & Entrepreneurship Ecosystem

Himalayan Centre for Innovation & Entrepreneurship (HCIE)

Swami Rama Himalayan University is firmly aligned with the objectives of SDG 9, emphasizing infrastructure development, industrial growth, and innovation. Central to this effort is the Himalayan Centre for Innovation and Entrepreneurship (HCIE), established in 2019 as a hub for nurturing entrepreneurial talent and translating ideas into real-world solutions.

HCIE offers a dynamic and supportive ecosystem for students, faculty, and community members through resources such as co-working spaces, a Makers Space, conference rooms, and mentorship by seasoned professionals. The Centre's primary goal is to promote creativity, interdisciplinary collaboration, and the commercialization of research outputs. The broader mission of HCIE includes the promotion of sustainable and socially impactful ventures in sectors like biotechnology, digital transformation, environmental technology, and wellness.

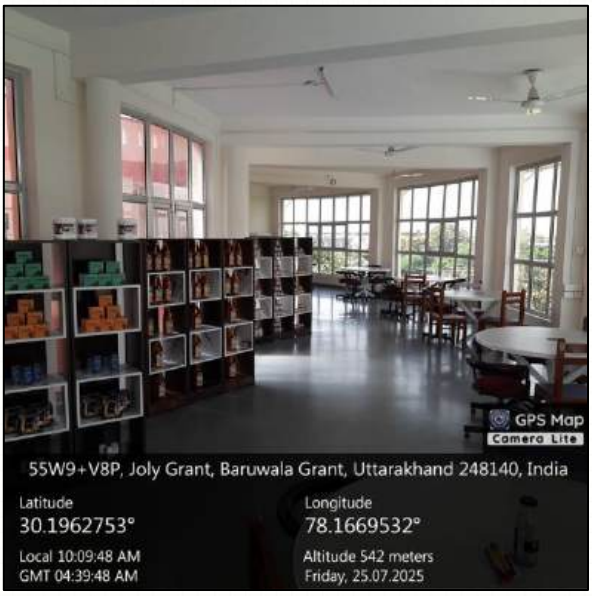
Spanning over 10,000 sqft on the third floor of the Skill Building, HCIE features an open-plan environment designed to foster innovation through collaboration. The facility includes modern infrastructure such as high-speed internet, furnished coworking spaces with seating for 25, and an ideation lounge that accommodates up to 50 people, encouraging team-building and knowledge-sharing. A dedicated conference room supports workshops, seminars, and networking events, making HCIE a comprehensive hub for entrepreneurial development.



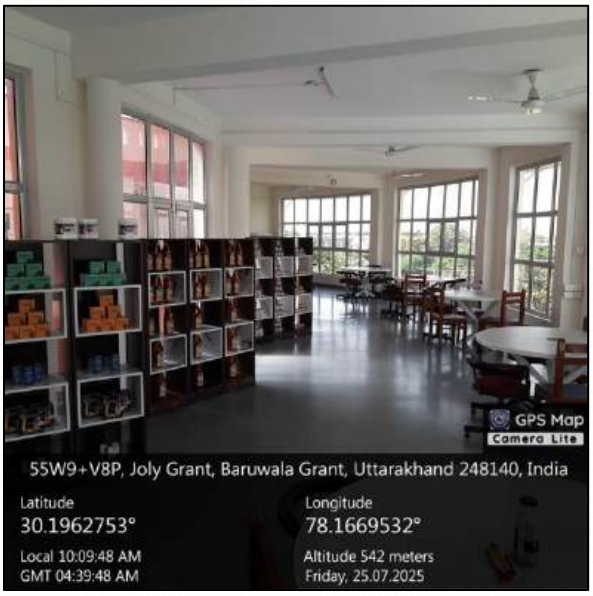
Reception Area



Meeting Room



Ideation Longue



Makers Space





Co-working Space at HCIE

The Centre's primary goal is to promote creativity, interdisciplinary collaboration, and the commercialization of research outputs. The broader mission of HCIE includes the promotion of sustainable and socially impactful ventures in sectors like biotechnology, digital transformation, environmental technology, and wellness.

Mission Highlights:

- Cultivate creativity and original thinking
- Develop entrepreneurial spirit across SRHU and Uttarakhand

- Bridge academic research with industry, refine business models, and connect ventures with investors.

Support Ecosystem Includes:

- Expert mentorship from industry leaders
- Modern co-working spaces, Makers Space, conference rooms
- Funding pathways, investor networks
- Assistance in product development, marketing, strategy, and IPR support
- Networking events and industry exposure

Focus Areas:

- Digital Transformation, Health & Biotech, Environmental Sustainability
- Women Entrepreneurship and Social Impact Ventures

2. Incubation & Start-Ups

Under the guidance of HCIE, SRHU has incubated several promising startups in recent years. These include Canfinis Therapeutics Pvt Ltd, focused on customized cell therapy for cancer; ULO Labs Pvt Ltd, offering nutraceuticals for health and wellness; and Himfla Pvt Ltd, which markets unrefined Himalayan salt while empowering local self-help groups.

Other incubated or supported startups include Ayushline (a digital AYUSH health platform), Mirage Energy (low-cost water testing kits), and Mindura Yogwell (wellness programs inspired by traditional yoga). The university also supports graduated startups like MEQ Academy and JASARENA India. These ventures reflect SRHU's focus on innovation-driven solutions, regional development, and inclusive economic opportunities.

Incubated Startups

2.1 Incubated Startups at HCIE

CanFinis TherapeuticsPvt Ltd:

CanFinis Therapeutics Pvt Ltd is an oncology-focused startup incubated at SRHU's Himalayan Centre for Innovation & Entrepreneurship. The company is developing advanced CAR-T cell therapies and an ex vivo tumor microenvironment platform for personalized cancer treatment. By combining cutting-edge biotechnology with clinical insight, CanFinis aims to make precision oncology more effective and accessible.

- **Himfla Pvt Ltd:**

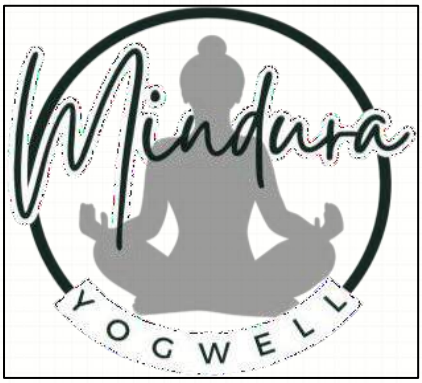
Himfla Pvt Ltd is a premium Himalayan salt startup incubated at SRHU's HCIE, offering traditional "Pahadi Pisi Noon"—flavoured salts hand-ground by rural women using Himalayan pink salt from Pakistan and locally-sourced herbs. Launched by three Uttarakhand natives in 2013, the venture supports over 80 women across 100 villages and produces more than 50 distinct salt varieties, with its products now reaching global markets. With an annual turnover of approximately ₹1.5 crore from selling 52+ flavours domestically and abroad, Himfla exemplifies sustainable rural enterprise development and women's empowerment.

- **ULO Labs Pvt Ltd**

ULO Labs Pvt Ltd is a plant-based nutraceutical startup incubated at SRHU's HCIE in 2024. The company develops innovative natural formulations aimed at enhancing nutrient absorption and promoting gut wellness. Their products are rooted in scientific research and designed for efficacy, stability, and health benefits. ULO Labs exemplifies HCIE's focus on health-tech innovation and evidence-backed entrepreneurship.

2.2 INCUBATED PRE-STARTUPS:

Mindura Yogwell Pvt Ltd is a wellness startup incubated at SRHU's HCIE, emerging from student-led innovation in yoga sciences. Initially launched as the concept start-up YOGALOGY, it won first prize in the inter-university "Fish Tank" competition at YUVOTSAV 2024. The venture focuses on holistic wellness services rooted in traditional yoga, aimed at promoting mental and physical well-being through accessible programming and community engagement.





3. Policy & Governance

SRHU's Innovation and Entrepreneurship Policy, aligned with the National Innovation and Start-up Policy (NISP), promotes a vibrant entrepreneurial ecosystem within the university. It encourages active participation of faculty, students, and staff in innovation-led ventures. Faculty members are permitted to serve as co-founders, consultants, or advisors in startups, provided academic responsibilities are not compromised. Conflict-of-interest norms and a formal approval process ensure academic integrity is maintained.

The policy supports the commercialization of research by facilitating patent filing, offering seed funding, and incentivizing innovation-driven projects. Clear guidelines have been established for intellectual property (IP) ownership, revenue sharing, and use of institutional resources such as laboratories, equipment, and infrastructure.

The Himalayan Centre for Innovation and Entrepreneurship (HCIE) serves as the implementation arm of the policy, providing incubation, mentorship, technical guidance, and access to funding opportunities. Startups led by faculty, students, or staff receive structured support for ideation, prototyping, and market readiness.

This integrated policy framework ensures that entrepreneurship is not an isolated activity but a central component of SRHU's academic and research culture. By embedding innovation into the university's core activities, the policy fosters interdisciplinary collaboration, empowers knowledge translation, and contributes to sustainable development and societal impact.

Innovation and Entrepreneurship Policy of SRHU **Click here**

4. Capacity Building & Student Engagement

A key feature of SRHU's commitment to SDG 9 is its emphasis on capacity building through hands-on training and interactive sessions. HCIE regularly organizes awareness programs, workshops, bootcamps and competitions that build entrepreneurial competencies among students. One such example is the Entrepreneurship Bootcamp for BBA students held in November 2024, where students developed business models and participated in pitch presentations (**Click here**). The 'Fish Tank' competition and 'Entrepreneurial Artwork' event further reinforced students' ability to ideate, prototype, and present innovative solutions **(Click here).** These engagements not only build confidence but also foster a problem-solving mindset aligned with real-world challenges.





YOGALOGY,' incubated by HCIE, was awarded the first prize for its compelling business concept







Entrepreneurial Artwork Competition on 'Bio-innovations & Entrepreneurship'

5. Infrastructure for Innovation

The university has developed advanced infrastructure to support research, skill development, and technological innovation. HCIE offers shared workspaces, incubation facilities, and access to expert mentors. In parallel, the Skill and Simulation Centre of Excellence (SSCE) serves as a first-of-its-kind facility in Uttarakhand, providing immersive, simulation-based healthcare education. The university's infrastructure also includes ICT-enabled classrooms, diagnostics labs, and engineering labs equipped for coding, AI, cloud computing, and business simulation. These facilities support both academic instruction and entrepreneurial experimentation, ensuring that students and researchers can engage in end-to-end innovation—from ideation to prototyping and deployment. **(Click here)**

6. Research-Driven Industrial Impact

SRHU funds faculty-led research projects with industrial applications in areas such as biomedical engineering, biochar sustainability, herbal formulations, fisheries management, and smart diagnostic tools. Many of these projects have transitioned into incubation-stage startups or contributed to the university's intellectual property portfolio. The university provides seed money and mentoring to help researchers commercialize their findings. For instance, research on herbal hydrogels, toilet footrest designs, and medical phantom models have evolved into patents or design registrations, showcasing a clear link between academic inquiry and industrial innovation. **(Click here)**

7. Industry Outreach and Partnerships

To ensure that research and education are aligned with market needs, SRHU has forged partnerships with reputed institutions and industry leaders. These include collaborations with Medtronic, Stryker, Zimmer Biomet, Johnson & Johnson, IBM, and academic institutions like IIT Roorkee and AIIMS Rishikesh. These partnerships enable technology transfer, facilitate internships, and create avenues for collaborative research. Additionally, SRHU engages with regional and rural stakeholders by supporting startups that address local challenges, such as healthcare delivery in remote areas and sustainable agriculture. This community-focused approach adds a layer of inclusivity to SRHU's innovation agenda.





MoU being signed with reputed institutions and industry leaders

List of Collaborating Agencies: Click here

E-copies of MoUs and related activities: Click here

8. Contribution to SDG 9 Targets

SRHU's initiatives strongly support SDG 9 by fostering inclusive and sustainable industrial development, upgrading technological capabilities, and building innovation infrastructure. Its focus on youth engagement, women entrepreneurs, and rural empowerment ensures equitable access to innovation. By developing affordable technologies, encouraging startups, and establishing strong university-industry linkages, SRHU contributes to sustainable economic growth and long-term infrastructure resilience. Through its dedicated entrepreneurial centre and a vibrant research ecosystem, the university plays a transformative role in Uttarakhand's industrial and innovation landscape.

- **SRHU hosts Uttarakhand's First Innovation Festival** Click here
- **Women Empowerment through Science and Technology' Workshop** Click here
- **Entrepreneurship Development in Rural Uttarakhand** Click here

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10

REDUCED INEQUALITIES

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Swami Rama Himalayan University (SRHU) is dedicated to promoting inclusive education by providing equal opportunities for students from all backgrounds. The university emphasizes equity through a range of scholarships and financial assistance programs aimed at supporting marginalized groups, including individuals with disabilities, students from low-income households, and underprivileged communities. SRHU also ensures regional representation by reserving 40% of its seats for residents of Uttarakhand and offering significant tuition fee concessions. These efforts reflect the university's commitment to empowering individuals and narrowing educational disparities, thereby fostering a supportive and inclusive academic environment.

1) Admissions Inclusion & Fee Equity

1.1 State-quota seats for Permanent Residents of Uttarakhand (PRU) and tuition rebate

- SRHU reserves **40% of seats in all courses** for permanent residents of Uttarakhand, demonstrating its commitment to regional inclusion. Additionally, **26% fee concessions** are offered to these students. If reserved seats remain vacant after the admission deadline, they are made available to other candidates, ensuring optimal utilization of resources. click here

2) Scholarships, Special Provisions & Fee Concessions (2024–2025)

2.1 Current scholarship framework

Policy for Scholarships & Fee Concessions (click here)

Key equity-oriented instruments

- **Merit-cum-Means (EWS):** For students below a defined **family income threshold** (≤ ₹5,00,000 in current communication), typically **50% of first-year tuition** with continuation contingent on **minimum CGPA/percentage and ≥80% attendance.**
- **Special Scholarships:** Provisions for **Transgender** and **Differently-abled** candidates; concessions for **wards of Armed/Paramilitary/Police personnel.**
- **Fee Concessions promoting inclusion: 25% concession** (generally on first-year tuition) for **female candidates**, **SRHU graduates admitted to next higher degrees at SRHU**, and **wards of SRHU employees (conditions apply)**.
- **Free-ship for Orphans: One orphan per academic program** is eligible for **free education** (subject to timely document verification/availability).

3) Accessible Campus & Learning Resources

3.1 Infrastructure

- **Barrier-free infrastructure:** Ramps, lifts, tactile pathways, and accessible washrooms at key locations.

- **Wheelchair assistance at the University hospital.**



Lifts at various location across campus to ease movement for individuals with disabilities

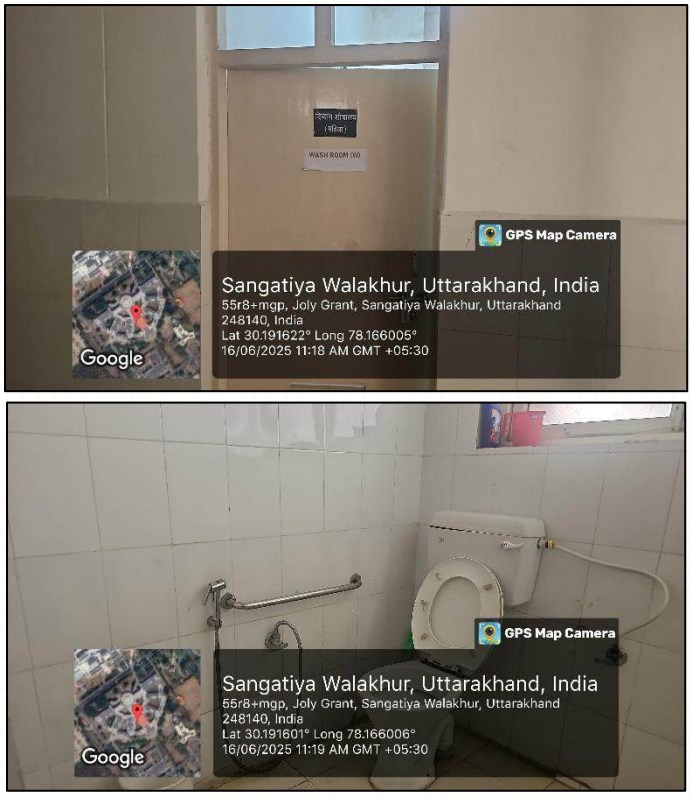




Ramps with handrails



Tactile path at the University



Disabled friendly washrooms





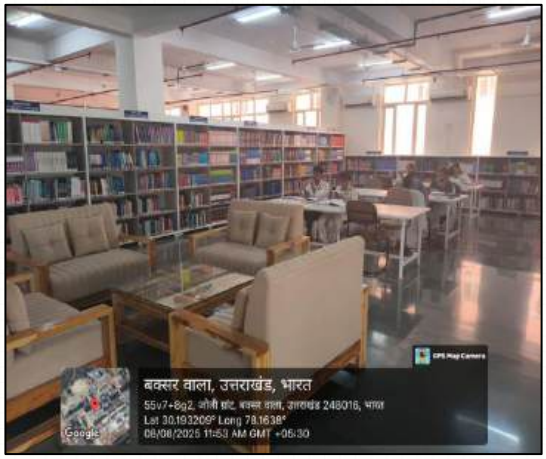
Wheelchair bay

3.2 Digital & Library Access

SRHU Library System: Central Library + six faculty libraries, 37,000+ monographs and 2,561 foreign journals.

KOHA LMS, RFID technology, and remote off-campus access ensure students can access learning materials from anywhere**.**

The Himalayan digital repository archives research, question papers, and open-access resources.









SRHU Central Library

Notable resources include Scopus, Cochrane Library, NEJM, IEEE CSDL, NPTEL, SWAYAM, and Shodhganga, among others. Additionally, the library offers specialized access to open resources such as Gandhi Heritage, Vedic Heritage, and PubMed Central, ensuring a blend of traditional and modern knowledge.

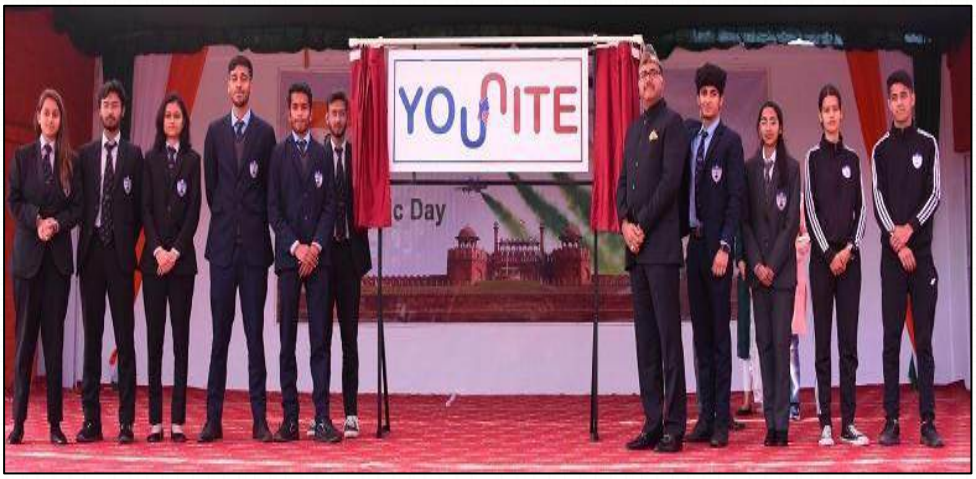
The Central Library, with a 425-seat capacity, has evolved over its 32-year journey to become a beacon of knowledge and inclusivity, empowering students and researchers to thrive in a diverse academic environment. For assistance, recommendations, or remote access, the library staff and services remain readily accessible.

4) Inclusive Academic & Cultural Ecosystem

4.1 Student-led inclusion: YOUNITE

SRHU's student-led club, fosters unity and empowerment through:

1. **Yuvotsav 2024:** Hackathons, start-up competitions, Model UN, e-sports.
2. **Stress-Buster Sessions** for Nursing students' mental well-being.
3. **Cultural Nights:** Garba & Dandiya Eve, Wildlife Painting Competitions.















Different Activities organized by Younite club

4.2 University-wide cultural inclusion: Himotsav-2024

Himotsav 2025, SRHU's three-day Foundation Day celebration, became a powerful platform for cultural inclusivity:

- Showcased regional folk traditions (Garhwali, Punjabi, Marathi, and South Indian) alongside contemporary performances.
- 118 Academic Awards, 55 Sports & Literary Awards, and 24 Diplomas honored students' achievements beyond academics.
- Best College: HIMS (Sports) | Best Athletes: Rahul Negi (HSST) & Sonali Negi (Nursing).
- Chief Guest Dr. Dhan Singh Rawat (Minister of Health & Higher Education, Uttarakhand) recognized top-performing students.



Qwwali Performance by students during HIMOTSAV 2025



Yoga Performance by SRHU students during HIMOTSAV 2025



Chief Guest Shri. Dhan Singh Rawat (Minister of Health & Higher Education, Uttarakhand) recognized top-performing students

Inclusive Impact:

- Celebrated diversity through arts and culture.
- Provided equal opportunities to showcase talents across disciplines.

- Strengthened campus unity by bringing together students from all states.

4.3 Other Cultural Observances

- Observed Mother Language Day, Republic Day, and inter-school fests promoting linguistic and cultural diversity.

Matrabhasha Diwas: Swami Rama Himalayan University (SRHU), Dehradun, celebrated International Matribhasha Diwas on 21st February 2025 with enthusiastic participation across departments, marking the 25th anniversary of the observance. The event aimed to promote the importance of mother languages and celebrate India's rich linguistic and cultural diversity.



Garhwali song by Nursing Students on Matribhasha Diwas



HSMS Participants Photograph on Matribhasha Diwas

Republic Day celebration: The spirit of unity and patriotism filled the campus of Swami Rama Himalayan University (SRHU), Jolly Grant, as the 76th Republic Day was celebrated with great

enthusiasm and dignity. The university grounds came alive with vibrant colours, disciplined formations, and a collective sense of national pride. Dr. Vijay Dhasmana, President of SRHU, unfurled the national flag and inspected a well-coordinated parade by the students, symbolizing the strength and promise of youth in shaping the nation's future. As the tricolour soared and the national anthem echoed, the atmosphere was imbued with reverence and inspiration.



5. Key Activities Supporting SDG 10 at SRHU (2024–25)

5.1 Gender Equality & Social Inclusion Training

- From January 29 to February 1, 2025, SRHU organized a four-day international training on Gender Equality & Social Inclusion (GESI) in Springshed Management, in partnership with ICIMOD and GB Pant NIHE. This workshop integrated gender-responsive practices into environmental and community resilience planning and included participants from across India and the Himalayan region. Click Here





5.2. Plastic-Free Campus & Waste Inclusion

- In February 2024, SRHU initiated a major drive to become a zero plastic-waste campus, setting up a “Plastic Bank” and installing 12 jumbo bins. Over 3,000 kg of plastic waste was segregated, collected, and recycled demonstrating environmental fairness and equity in campus waste management.



SRHU initiated a major drive to become a zero plastic-waste campus

5.3 Learning Disability OPD Launch

SRHU inaugurated a **Learning Disability OPD** at Himalayan Hospital in June 2025. This multidisciplinary clinic provides comprehensive evaluations, therapy, counselling, IQ testing, and follow-up services for children with learning challenges marking a significant step in inclusive healthcare and education.



Inaugurated a Learning Disability OPD at Himalayan Hospital

5.4 Disability & Rehabilitation by RDI

The **Rural Development Institute (RDI)**, SRHU's allied unit, actively focuses on the holistic development of persons with disabilities. It ensures grassroots-level rehabilitation, assistive device distribution, education support, and disaster relief empowering communities through inclusive development. click Here



RDI Department SRHU

SRHU's Community-Based Rehabilitation (CBR) program integrates nutrition and livelihood components into its holistic disability support framework, addressing the disproportionate food insecurity faced by persons with disabilities (PWDs) in underserved regions. Through inclusive economic empowerment initiatives, 17 PWDs were supported in launching micro-enterprises such as hawker carts, tailoring units, and festival-based vending, generating seasonal incomes of ₹10,000–15,000 and enhancing household food security. Ten inclusive self-help groups (SHGs) were formed—five linked to banks—enabling access to credit for food, agriculture, or small business investments.

Social protection measures were strengthened through facilitation of 30 disability certificates and 38 UDID cards, linking PWDs to entitlements such as disability pensions, subsidized rations (PDS), and education-based nutrition support. Complementary interventions further amplified the program's impact: 11 mobility aids were distributed to promote independence in food access and preparation. Through this integrated

approach, the CBR program advances food security, nutrition, and dignity for persons with disabilities under SDG 2.



SRHU supported marginalized communities through hawker carts, small business investments, and distribution of mobility aids enhancing economic independence, food access, and dignity

Swami Rama Himalayan University

NAAC A+

SUSTAINABLE DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS



SUSTAINABLE CITIES AND COMMUNITIES

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

1. Green Campus & Sustainable Infrastructure

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

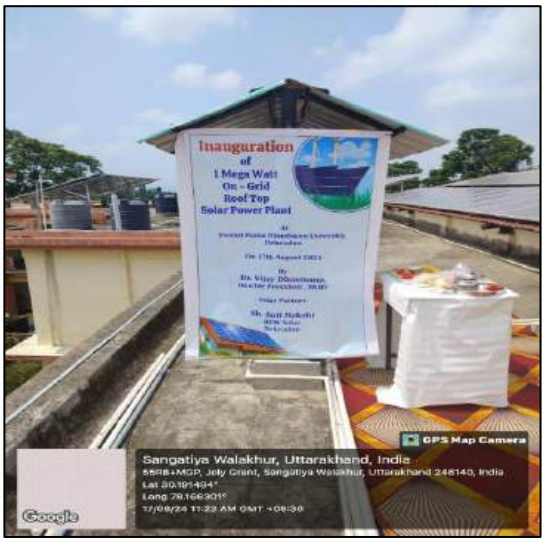


SRHU bagged the Platinum Award in the Service Category at the 4th CII Northern Region Green Practice Awards 2025, recognizing its strong commitment to environmental sustainability



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

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





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




हरेला पर्व–वृक्षारोपण कार्यक्रम
16 जुलाई
स्वामी राम हिमालयन विश्वविद्या



Harela celebration at SRHU fostering biodiversity conservation and Environmental Stewardship

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



Snippets of lush green campus supporting biodiversity

A Tree in the Name of Mother—Independence Day Drive

On 15th August 2024, SRHU launched a unique initiative titled 'A Tree in the Name of Mother' to mark the 78th Independence Day. Spearheaded by Chairman Dr. Vijay Dhasmana, this plantation drive celebrated the bond between patriotism and environmental stewardship. Faculty, staff, and students participated enthusiastically, planting trees as a tribute to their mothers, symbolizing nurturing care for both family and the planet.



Marking Independence Day with Purpose: Tree plantation drive at SRHU

Tree Plantation drives

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



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

- **Plastic-Free Campus**

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

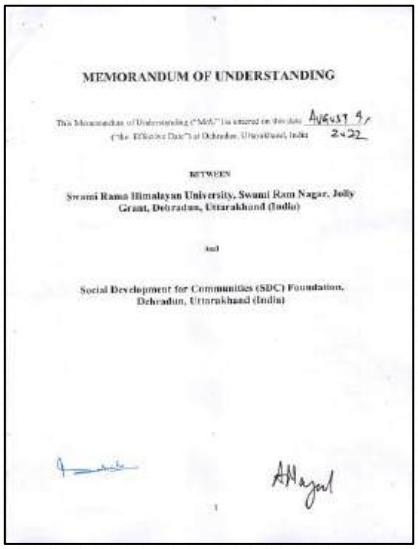


Signages promoting a plastic-free campus at SRHU, encouraging sustainable practices among students and staff

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



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



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MoU") is entered on this date AUGUST 9, 2022 (the "Effective Date") at Dehradun, Uttarakhand, India

BETWEEN

Swami Rama Himalayan University, Swami Ram Nagar, Jolly Grant, Dehradun, Uttarakhand (India)

And

Social Development for Communities (SDC) Foundation, Dehradun, Uttrarakhand (India)



MEMORANDUM OF UNDERSTANDING

Swami Rama Himalayan University (SRHU) endeavors to transform lives through holistic approach in education, providing integrated health care services and effective social development and special outreach programs. SRHU has an outstanding history of community-based activities, running professional public health education programs and successful participation in national health programs. With its various peripheral health centers and collaboration with NGOS & international bodies.

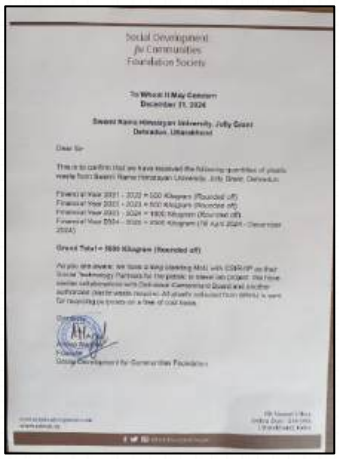
SRHU which expression shall unless repugnant to the context include its successors, representatives and permitted assigns OF THE FIRST PARTY.

Social Development for Communities (SDC) Foundation is a Dehradun, Uttarakhand based not for profit engaged in communication, capacity building and community mobilization. Founded in 2017, SDC has been working closely on issues of sustainable development and governance. SDC Foundation has worked with a range of stakeholders – government institutions, private corporations, think-tanks, international development agencies, media and citizen groups.

SDC Foundation which expression shall unless repugnant to the context include its successors, representatives and permitted assigns OF THE SECOND PARTY.

(SRHU and SDC Foundation are hereinafter collectively referred to as "Parties" and individually as "The First Party" and "The Second Party" respectively.)

A. SCOPE OF AGREEMENT



Social Development for Communities Foundation Society

To Whom It May Concern
December 31, 2024

Swami Rama Himalayan University, Jolly Grant
Dehradun, Uttarakhand

Dear Sir

This is to confirm that we have received the following quantities of plastic waste from Swami Rama Himalayan University, Jolly Grant, Dehradun

Financial Year 2021 - 2022 = 500 Kilogram (Rounded off)
Financial Year 2022 - 2023 = 500 Kilogram (Rounded off)
Financial Year 2023 - 2024 = 1000 Kilogram (Rounded off)
Financial Year 2024 - 2025 = 2000 Kilogram (1st April 2024 - December 2024)

Grand Total = 3500 Kilogram (Rounded off)

As you are aware, we have a long standing MoU with CSR-HP as their Social Technology Partners for the plastic to travel bin project. We have similar collaborations with Dehradun Cantonment Board and another authorized plastic waste recycler. All plastic collected from SRHU is sent for recycling as it does not have any value.

Regards

Annual Progress Report 2024-2025

MoU between SRHU and SDC for sustainability and plastic waste management

2. Water Conservation & Wastewater Management

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





Sewage Treatment Plant (Capacity 1 MLD) at the University



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



Recycling of water from STP

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

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

- Rainwater harvesting captures nearly **40 crore litres annually** through 12 recharge pits and rooftop collection across ~9,000 m². Water is stored in a **1.5-lakh-litre underground tank**, supplying ~3,000 L/day for flushing and cleaning across 111 toilets and 138 taps, also aiding groundwater recharge (~1.57 crore litres).



Underground RWH tank (capacity 150 KL)

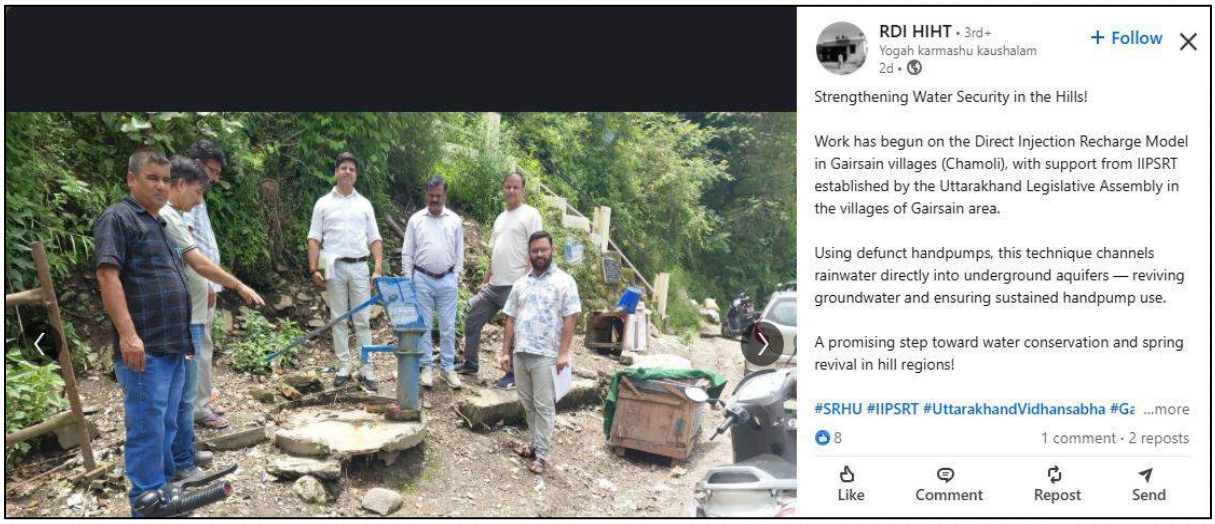


Rainwater Harvesting Pits at SRHU: Sustainable Water Management in Action

- SRHU's dedicated **WatSan department**, operational for over two decades, delivers clean drinking water to remote areas and has been designated a **Key Resource Centre** under the **Jal Jeevan Mission**.
  Click here link 1
  Click here link 2

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

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



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

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



c. **Swachhta Pakhwada – Campus-Wide Sanitation Campaign**: From September 23 to October 1, 2024, SRHU organised Swachhta Pakhwada, a campus-wide campaign

promoting sanitation and hygiene practices, which reached 328 students and faculty members.





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

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





Social and environmental audit in progress

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





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





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





3. Energy Efficiency & Renewable Energy

- SRHU installed **1,500 kW rooftop solar panels**, meeting **~16% of its electricity demand**, saving over **61 lakh kWh** to date (~1,455 tonnes of CO_2 emissions avoided). (**Click here**).



Installation of New Solar Power Plant at Swami Rama Himalayan University



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

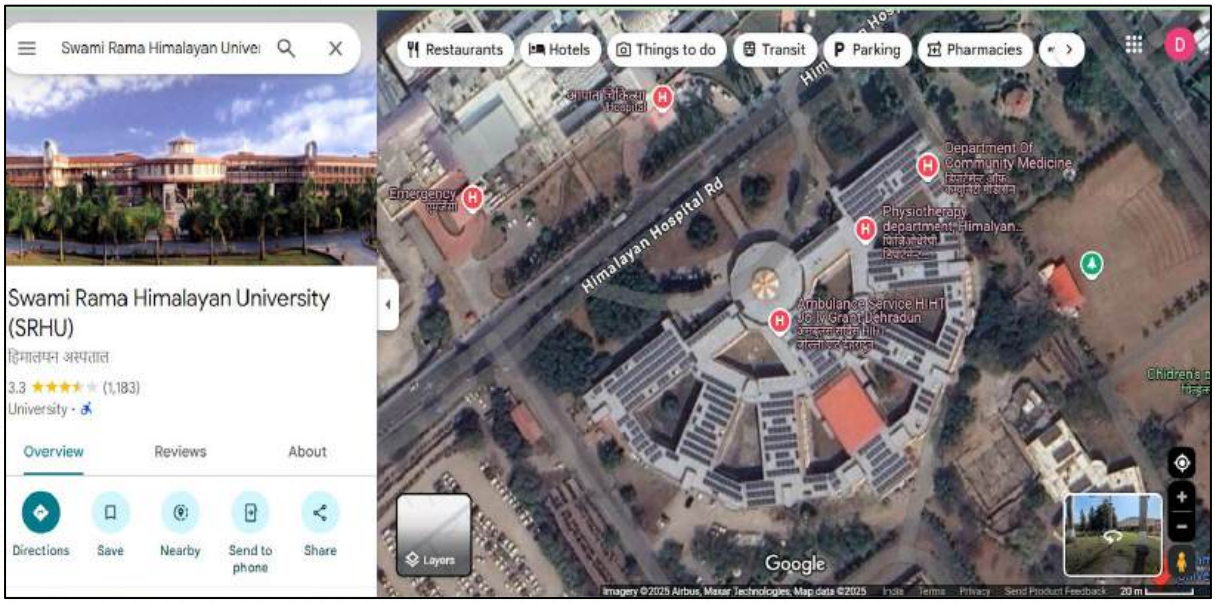




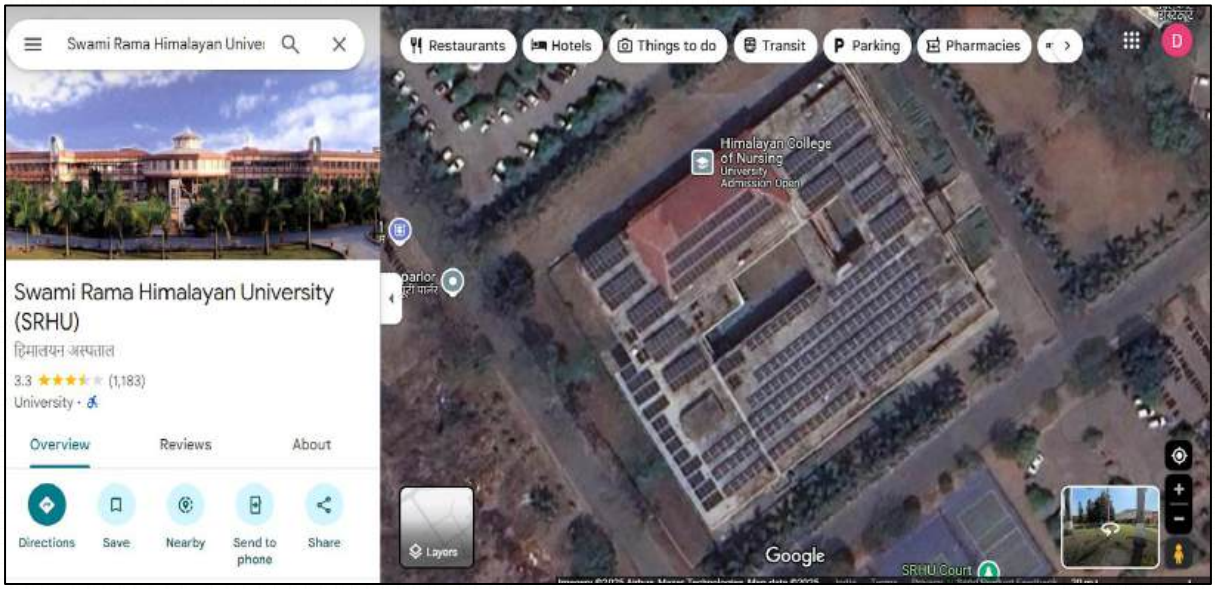




Solar panels at different locations in the University Campus



Aerial view of Solar panels at HIMS (Google Maps)



Aerial view of Solar panels at HCN (Google Maps)

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



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



Energy-efficient BLDC (Brushless Direct Current) fan & Energy Efficient split inverter air conditioner



HVAC system installed in the University with BEE star rated energy efficient AC package unit supporting HVAC system



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

4. Sustainable Mobility

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



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



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

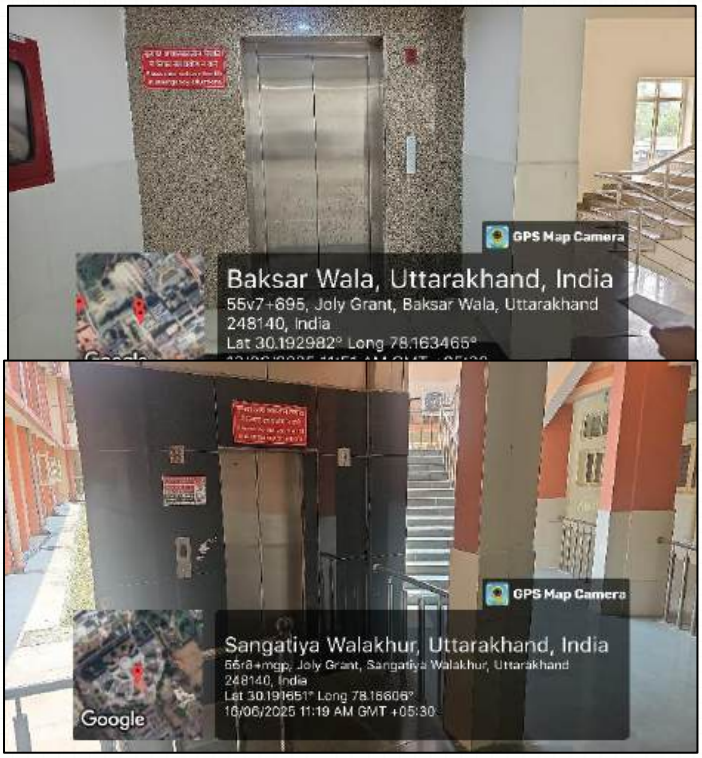
5. Inclusion & Capacity Building

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





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



Lifts at various location across campus to ease movement for individuals with disabilities



Lifts are present at various locations in the university



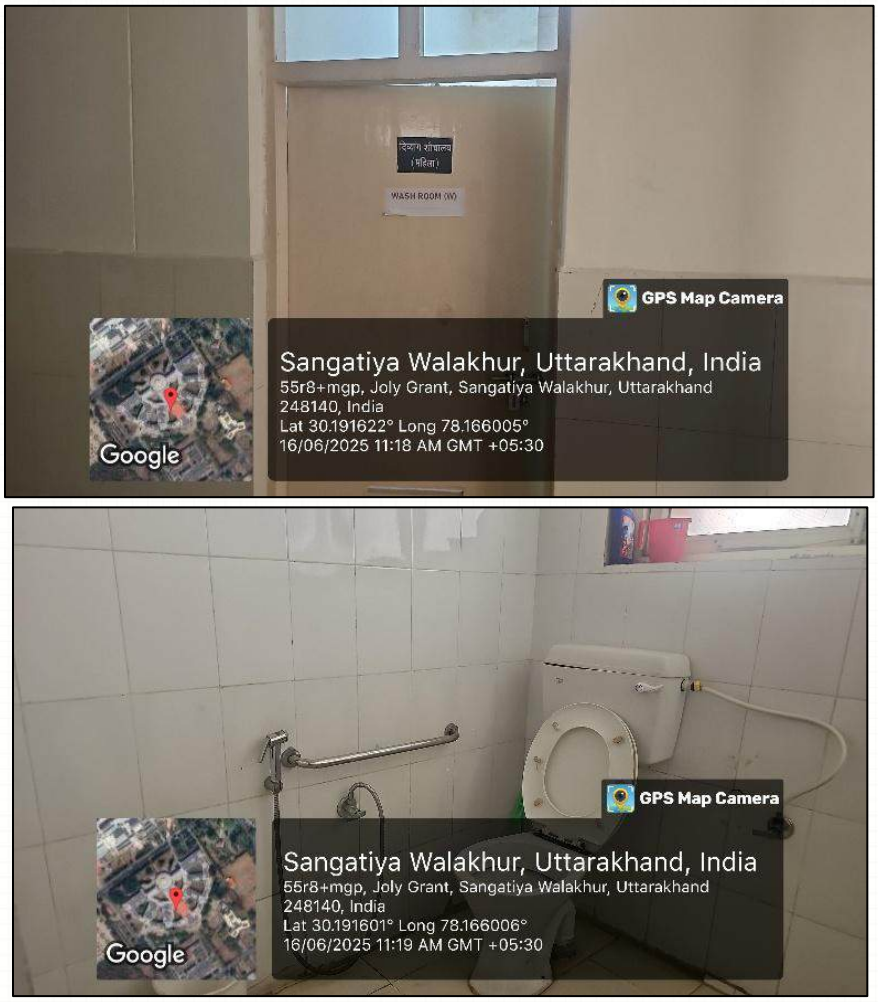


Ramps with handrails

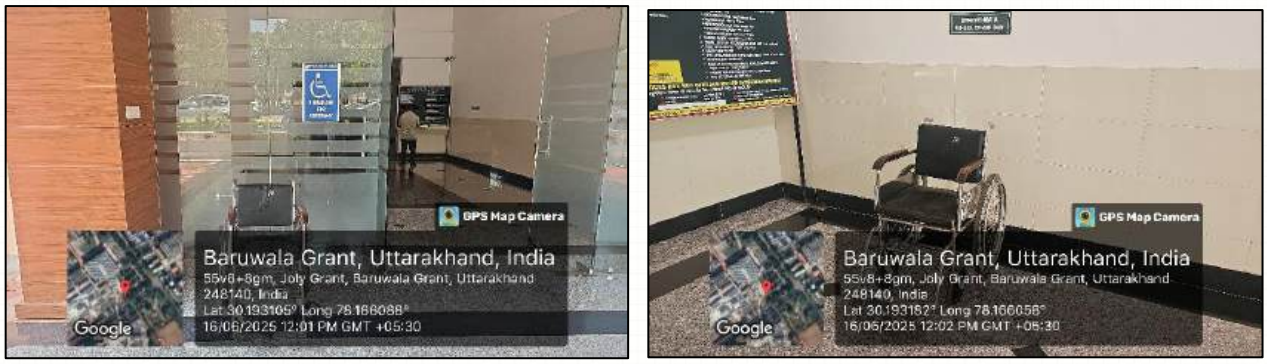




Tactile path at the University



Disabled friendly washrooms



Wheelchair bay



Assistive technology at the central library

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



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





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



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

Swami Rama Himalayan University

NAAC A+

SUSTAINABLE DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS

12

RESPONSIBLE CONSUMPTION AND PRODUCTION

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In pursuit of the United Nations Sustainable Development Goals, SRHU has demonstrated a strong institutional commitment to SDG 12 – Responsible Consumption and Production. This goal emphasizes the need to reduce ecological footprints by changing the way goods and resources are produced and consumed. SRHU has actively integrated sustainability principles into its operations, infrastructure, and academic ethos. From renewable energy adoption and waste management systems to sustainability education and responsible procurement practices, the University aligns its actions with global targets, setting a benchmark for higher education institutions striving for environmental stewardship and circular economy leadership.

1 Solar Energy Adoption and Sustainable Power Systems

Swami Rama Himalayan University (SRHU) has made remarkable progress in embedding sustainability into its operational framework through the adoption of renewable energy systems, directly supporting SDG 12: Responsible Consumption and Production. By systematically replacing conventional energy with clean solar power, SRHU has reduced its carbon footprint while enhancing resource efficiency. Over the past three years, the University's rooftop solar power plants have generated 7,160,055 kWh of clean energy, resulting in cumulative savings of approximately ₹2.51 crore. During this period, the contribution of solar power to the University's total energy demand ranged between 14.76% and 17.43% annually. SRHU has also exported more than 3.74 lakh kWh back to the grid, reflecting responsible energy production and community support. These efforts align with SDG Target 12.2, which advocates for sustainable management and efficient use of natural resources, and Target 12.4, emphasizing the reduction of environmental impact through cleaner production.

In a major milestone, the University commissioned a 1 MW rooftop solar plant on 17 August 2024 under a Power Purchase Agreement (PPA), utilizing advanced monocrystalline dual-side solar panels spread across 4,500 sq.m. The system is expected to generate over 136,000 kWh per month, significantly reducing dependence on fossil fuels. Complementing this initiative, SRHU has also installed a 50,000 LPD solar water heating system across its hospital facilities, hostels, and research wards. This shift from electric to thermal solar heating has saved an estimated 22.5 lakh kWh of electricity over three years—equivalent to ₹1.28 crore in cost savings—while also reducing thermal energy demand by 8,100 GJ. These resource-efficient systems not only enhance institutional resilience and sustainability but also demonstrate SRHU's strategic alignment with SDG Target 12.5, which promotes substantial waste and resource reduction through preventive practices and innovation.



Installation of New Solar Power Plant at Swami Rama Himalayan University



Aerial view of Solar panels at HIMS (Google Maps)

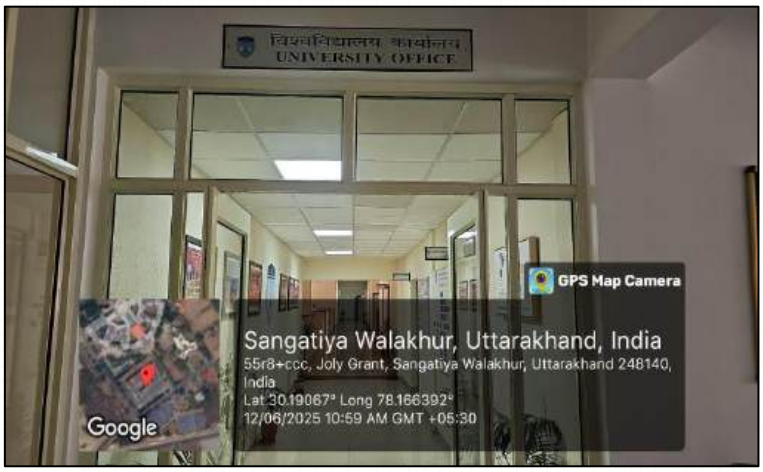


Rooftop solar panels at Swami Rama Himalayan University harnessing renewable energy to promote sustainability and reduce carbon footprint.

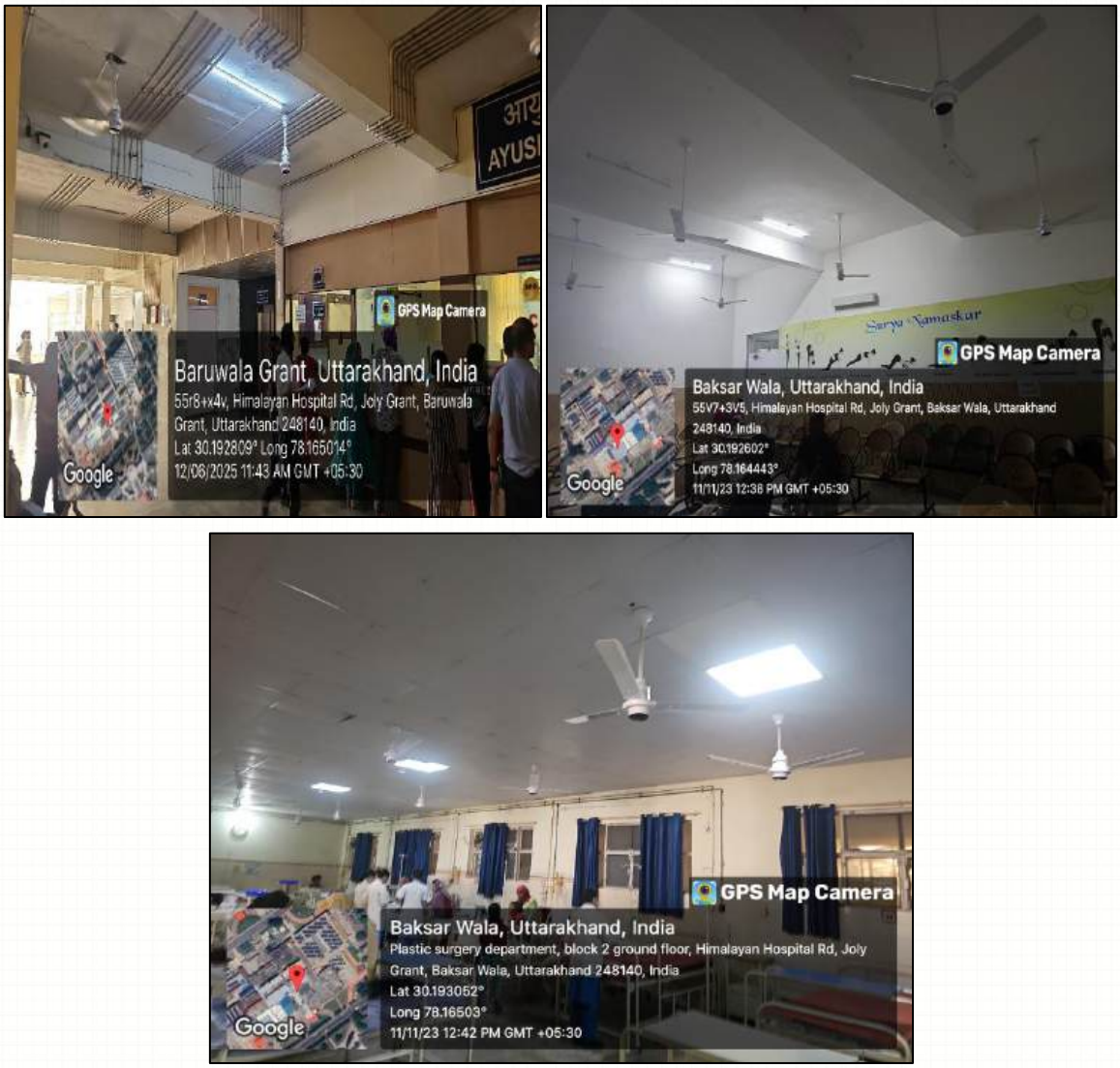


Rooftop Solar water heater at SRHU

SRHU has completely transitioned to LED lighting across classrooms, offices, hostels, and hospitals—delivering energy savings of up to 80% compared to traditional lighting. This upgrade is complemented by the installation of motion-sensor-based smart lighting systems in key buildings, ensuring illumination is only active when needed, thereby minimizing electricity wastage. In a major initiative, the University replaced 2,000 conventional ceiling fans with energy-efficient 32W BLDC fans, leading to annual energy savings of approximately 304,608 kWh. These fans not only reduce power consumption but also offer longer service life, lower noise, and reduced maintenance, reflecting the University's long-term approach to sustainable operations.



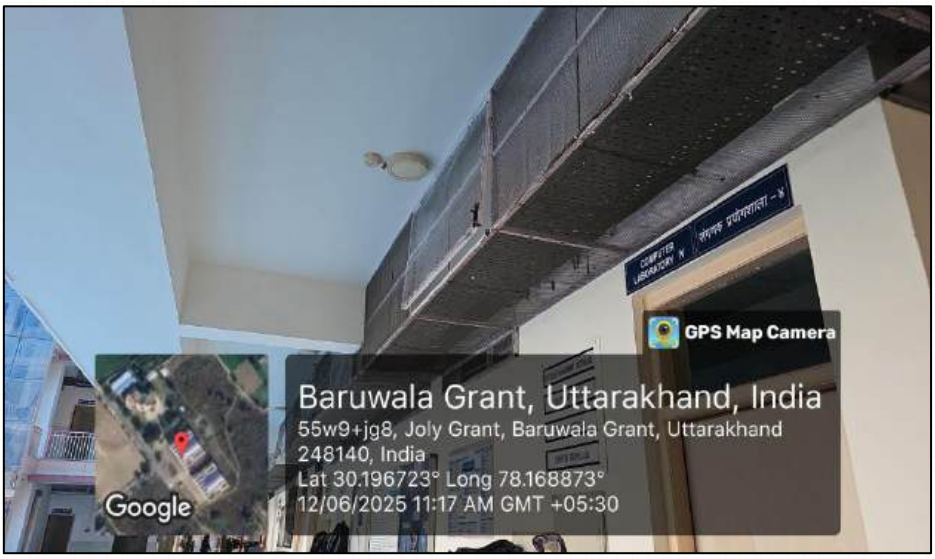
Implementation of LED lighting at the University office as a step promoting energy efficiency



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

To enhance climate control and thermal efficiency, SRHU has installed over 800 BEE-rated inverter air conditioners and integrated Variable Frequency Drive (VFD) pumps, Heat Recovery Wheels, and Mechanical Ventilation with Heat Recovery (MVHR) systems within its centralized HVAC units. These systems adjust output based on real-time demand and reclaim up to 85% of return air temperature, resulting in 25–50% energy savings in air-conditioning loads. The replacement of an outdated 378 TR AC unit with a BEE star-rated system using eco-friendly refrigerant R-407 has further optimized energy use, reducing electrical load by 102.06 kW and saving 44,702 kWh annually.

Moreover, SRHU has integrated Passive Infrared (PIR) sensors and smart automation controls across key areas of the campus, ensuring lighting and energy use are tightly regulated based on occupancy. Even in critical backup systems, SRHU employs nine CPCB-compliant diesel generators equipped with Automatic Mains Failure (AMF) and load synchronization technology. This ensures the generators run only when necessary, curbing excess fuel use. In 2024–25, diesel generators contributed just 2.59% of total energy demand, with emissions consistently tested and found within permissible NABL-certified limits.



Motion based sensor lights at Engineering college building



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

2 Promoting Sustainable and Low-Emission Mobility

The University has taken proactive steps to promote environmentally responsible mobility solutions on campus, aligning with SDG 12, particularly Targets 12.2 and 12.4 which

emphasize efficient resource use and reduction of environmental impact. Recognizing the importance of sustainable transportation,

SRHU actively encourages the use of bicycles and electric vehicles (EVs) as clean, low-emission alternatives to conventional motor vehicles.



Restricted vehicle entry as part of sustainable urban planning measures aimed at reducing environmental impact

The campus is equipped with wide internal roads and restricted motor traffic, making it safe and conducive for cycling. To support this initiative, an e-bike rental facility is available for students, offering convenient and affordable access to electric bikes for commuting between academic buildings, hostels, and University services. This system not only reduces the campus's carbon footprint but also promotes healthy and energy-efficient travel.



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

In addition to e-bikes, the University has also integrated electric vehicles (EVs) into its campus transportation network for use by faculty, staff, and visitors. These vehicles operate under an energy-managed system and reflect SRHU's broader commitment to green infrastructure and smart campus development. Together, these mobility initiatives reduce reliance on fossil fuels, enhance air quality, and demonstrate SRHU's leadership in advancing sustainable practices within the higher education sector—making tangible progress toward the objectives of SDG 12.



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

3 Water Usage Optimization and Conservation Measures at SRHU

The University has embraced a resource-conscious approach to campus development, with a strong emphasis on water conservation and reuse—core tenets of SDG 12. Recognizing the increasing pressure on freshwater resources and the need for efficient water use, SRHU has implemented an integrated water management strategy to reduce dependency on municipal supply while improving operational sustainability. The campus has 21 rainwater harvesting structures, including 16 recharge pits, 2 borewell recharge units, and 3 new pits added in 2024–25 to enhance capacity. These systems help recharge the groundwater table using rainfall, which averages 2,073.3 mm annually. One standout project is the 150 KL underground rainwater harvesting tank at the Medical College, which supports water reuse in 119 toilets and 138 bathroom taps, resulting in the reuse of approximately 9.45 lakh liters/year and groundwater recharge of about 1.57 crore liters/year.



Rain water harvesting pit no 15 near School of Pharmacy, SRHU



Underground water tank at SRHU



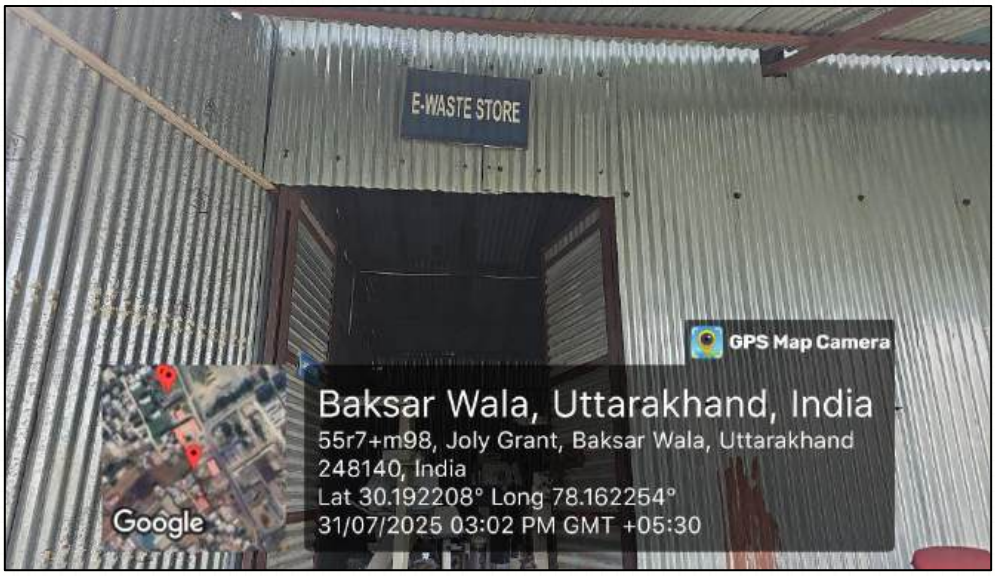
Recharge Pit near University Office

Complementing these systems, SRHU operates a 1 MLD Sewage Treatment Plant (STP) and a 90 KLD Effluent Treatment Plant (ETP) using advanced MBBR and aeration technologies. Treated water is repurposed for landscape irrigation and green belt maintenance, significantly reducing the demand on freshwater sources. These measures embody a circular water economy model, minimizing waste while optimizing resource recovery. Through these conservation and reuse efforts, SRHU demonstrates best practices in institutional sustainability, echoing the principles of SDG 12.2, 12.4, and 12.5. The University not only reduces its environmental footprint but also serves as a replicable model for efficient resource use and eco-conscious planning in higher education.

4 E-Waste Management

SRHU has implemented the e-waste management policy as prescribed by the state government, ensuring the environmentally responsible disposal of electronic waste. Non-functional and obsolete electronic devices—such as computers, CPUs, monitors, keyboards, mice, and other outdated equipment—are systematically collected and stored in a centralized e-waste storage facility located on campus.

In adherence to regulatory standards, this e-waste is periodically transferred to certified and authorized vendors for safe and responsible disposal, under the framework of a formal agreement. This structured process not only guarantees compliance with environmental regulations but also reinforces the University's commitment to sustainable waste management and eco-friendly campus practices. A certificate of e-waste disposal is provided by the vendor to the University for Official Records, ensuring accountability and compliance with environmental standards.





E-waste store - promoting responsible consumption and production

SRHU has official membership with Anmol Paryavaran Sanrakshan Samiti, a recognized organization certified by the Uttarakhand Environment Protection and Pollution Control Board (UEPPCB) for responsible e-waste management and it certifies SRHU as an authorized participant in activities related to e-waste collection, storage, dismantling, recycling, refurbishing, and disposal. This affiliation supports the University's efforts to minimize electronic waste through environmentally sound practices.



Regd. : 140/2014-15

Anmol Paryavaran Sanrakshan Samiti

(Green Solution for E-Waste Management certified by UEPPCB)

Facility of E-Waste Collection, Storage, Dismantling, Recycling, Refurbishing & Disposal

Regd. Off. : 119, Old Nehru Colony, Dehradun-248001

Works at : Kh. No. 85/2, 87/1, Daulatpur, Hajratpur Urf Budhwasahid Tehsil Roorkee, Distt. Haridwar

Email : apssdoon@gmail.com

Membership Certificate

This is Certify that M/s Himalayan Institute Hospital Trust, Swami Ramnagar, Jolly Grant, Dehradun, 248016 is a member of ANMOL PARYAVARAN SANRAKSHAN SAMITI with membership No. (20) dated 15.11.22

Date 15/11/2022

This Certificate is valid upto 31 March 2026

President

Secretary

SRHU is a certified member for e-waste management by Anmol Paryavaran Sanrakshan Samiti, promoting responsible disposal

5 Waste Management and Recycling

Waste management and recycling are prioritized across SRHU through a multi-pronged approach that includes recycling, composting, and energy recovery. An in-house waste paper recycling unit processes around 8 kg of waste paper daily, converting it into handmade paper for University use, including envelopes. The campus also manages biodegradable waste through compost pits that produce organic manure used in gardens and the nursery. A bio-gas plant near the guest house processes cow dung and vegetable waste into clean energy for cooking, exemplifying SRHU's commitment to a circular economy and natural resource efficiency.



A worker at SRHU's in-house unit converting waste paper into handmade paper, advancing circular economy practices



Waste paper recycling unit at SRHU



Compost Pit Site aiding conversion of organic waste into nutrient-rich compost to support sustainable landscaping and responsible waste management

6 Plastic-Free Campus Initiative

To further reduce environmental pollution, SRHU has undertaken a strong Plastic-Free Campus Initiative. The use of single-use plastics has been restricted, and “Plastic-Free Campus” signage has been installed to raise awareness among students, faculty, and visitors. In addition to behavioural change, innovative projects like the Plastic Waste Bank and plastic-to-diesel recycling initiative demonstrate the University’s commitment to responsible plastic disposal and environmental sustainability. From 2021 to 2025, Swami Rama Himalayan University recycled a total of 5,600 kg of plastic in collaboration with CSIR-IIP, its Social Technology Partner for the Plastic-to-Diesel Lab project. This initiative, launched alongside the 'Plastic Waste Bank' in 2022, reflects the University's commitment to sustainable waste management and innovative recycling solutions. Through this partnership, collected plastic waste was processed into fuel, supporting both environmental conservation and technological advancement in plastic waste utilization.

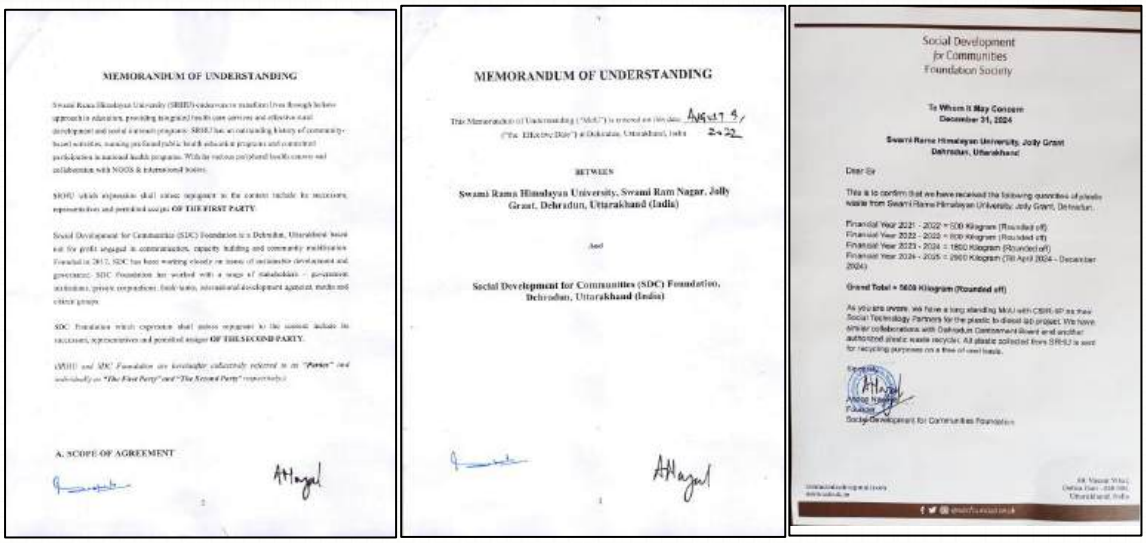








Plastic-Free Campus signage at Swami Rama Himalayan University promoting sustainability



MoU between SRHU and SDC for sustainability and plastic waste management

7 Solid Waste Management

SRHU employs a structured solid waste management system to ensure proper handling and processing of campus-generated waste. Waste is segregated at the source using color-coded bins—green for biodegradable and black for non-biodegradable waste. Collected organic waste is composted on-site, while recyclable waste is processed for reuse. The University also integrates these efforts with its bio-gas, reinforcing the sustainable management of solid waste and reducing landfill dependency.



Color-coded waste segregation bins which enables efficient disposal of waste



Black and Green Bins located at various key locations promoting source-level waste segregation of biodegradable and non-biodegradable waste



Biogas Plant at SRHU for clean energy production, supporting resource sustainability

8 Green Campus and Sustainable Landscaping

Environmental sustainability at SRHU is further supported through thoughtful landscaping and green campus development. Landscaping incorporates native and drought-resistant plant species that require minimal water and maintenance. Tree plantation drives enhance biodiversity, air quality, and provide natural shading. These green practices align closely with SDG targets focused on efficient use of natural resources and significant waste reduction.



Snippets of lush green campus supporting biodiversity











Numerous varieties of trees, shrubs and seasonal plants across the University premises supporting fauna





Harela Celebration 2025 at SRHU – fostering cultural awareness and promoting sustainable consumption through tree planting




Annual Harela Celebrations at SRHU – honouring cultural heritage and promoting











RDI at SRHU leads community-driven tree plantation drives, empowering locals in ecological restoration and supporting SDG 12 through grassroots environmental stewardship

Research and innovation

The University demonstrates a strong commitment to advancing SDG 12 through its prolific research output, as evidenced by the 97 research articles published in Scopus-indexed journals during 2024-2025. These publications span a diverse range of topics directly aligned with SDG 12, including sustainable materials, circular economy, waste valorization, green nanotechnology, sustainable agriculture, and energy storage innovations. The breadth and depth of this research reflect the University's dedication to promoting sustainable practices, fostering innovation, and addressing critical environmental challenges through science and technology. This robust scholarly activity underscores the University's role as a leading institution driving sustainable development via impactful research.

List of research publications for 2024-2025:

SN	PUBLICATION TITLE	DOI

1.	Experimental investigation on the spectral, mechanical, and thermal behaviors of thermoplastic starch and de-laminated talc-filled sustainable bio-nanocomposite of polypropylene	10.1515/jmbm-2024-0031
2.	Mapping of radionuclides for radiological impact assessment in cultivated soil of Punjab, India	10.1016/j.apradiso.2025.111881
3.	A feasible chemo preventive approach involves the use of zinc-coated curcumin with a carrageenan matrix for improved stability, solubility, and bioavailability	10.1515/polyeng-2024-0066
4.	Spatial distribution analysis of soil radioactivity using gamma-ray spectroscopy and radiological inferences	10.1140/epjs/s11734-025-01645-5
5.	Corrigendum to “Comprehensive review of sustainable utilization of Arenga obtusifolia Griff. as a food”	10.1016/j.jafr.2024.101619
6.	Advancements in energy storage applications: harnessing the potential of fish industry waste	10.1007/s43939-024-00161-y
7.	Sal (Shorea robusta) seed oil: A sustainable alternative for cocoa butter and edible oil	10.1016/j.fufo.2025.100655
8.	Modern spectroscopic techniques for drug discovery and environmental sustainability	10.4018/979-8-3693-7473-3
9.	Near-infrared spectroscopy for nutrient analysis in manure: Techniques, applications, and innovations	10.4018/979-8-3693-7473-3.ch012
10.	Ficus auriculata Lour., an underutilized nonconventional alternative fruit to Ficus carica with nutraceutical potential	10.1007/s43621-024-00480-3
11.	Anti-diabetic potential of Rubus species: linking conventional knowledge with scientific developments: a review	10.1186/s43014-024-00263-3
12.	A comparative investigation of ultrasonication and magnetic stirring methods for green synthesis of zinc oxide nanoparticles using Punica granatum peels	10.1038/s41598-025-04926-0
13.	Prospective observational study on antibiotic sensitivity of endotracheal tip cultures in ICU patients	10.18231/j.ijca.2025.015
14.	Harnessing nanotechnology for sustainable agriculture: From seed priming to encapsulation	10.1016/j.plana.2024.100124

15.	Burden and trend of drug resistant tuberculosis: Is the onus on isoniazid monoresistant TB now?	10.1016/j.ijtb.2025.06.015
16.	Efficient tagging strategies for software resources on information repositories	10.1201/9781003561651-65
17.	The Human Side of Sustainability: Behavioural Economics in Climate Action and Neutrality	10.1007/978-3-031-83250-5_15
18.	Serving local produce in homestays for socio-economic development in Uttarakhand	10.4018/979-8-3373-0427-4.ch011
19.	Hospital-associated effluents: the masked environmental threat that needs urgent attention and action	10.1007/s42452-024-06456-2
20.	A state-of-the-Art review on edible electronics: Next-generation technologies for biocompatible and ingestible devices	10.1016/j.tifs.2025.104880
21.	Advancements of UV-Vis spectroscopy in drug discovery: Illuminating insights and applications	10.4018/979-8-3693-7473-3.ch005
22.	Plant-microbes-nanofertilizers and their interactions for plant growth promotion and stress management	10.1016/B978-0-443-22285-6.00007-0
23.	Exploration of techno-functional properties and metabolomic profile of Scleroderma texense (Phutuki Mushroom): a comparative study with Agaricus bisporus (white button mushroom)	10.1007/s44187-025-00291-z
24.	Transforming Carbohydrates Through Multicomponent Reactions: Advances and Applications	10.1002/slct.202406015
25.	Design expert based optimization of the pyrolysis process for the production of cattle dung bio-oil and properties characterization	10.1038/s41598-024-57843-z
26.	Evaluation of radon emanation coefficient in different types of building materials of different grain sizes	10.1016/j.apradiso.2025.111973
27.	Hathkargha: balancing scarcity marketing and customer satisfaction in the digital age	10.1108/EEMCS-10-2024-0419
28.	Exploration of compositional, functional, nutraceutical, and metabolites of Ram kandmool (Agave sisalana Perrine) for potential application in food systems	10.1016/j.ijbiomac.2025.142095

29.	Environmental restoration of polyaromatic hydrocarbon-contaminated soil through sustainable rhizoremediation: insights into bioeconomy and high-throughput systematic analysis	10.1039/d4va00203b
30.	Insights into Extraction methods of pigments from Celosia cristata L. flower: A review	10.1016/j.jafr.2024.101599
31.	Correction to: Advancements in energy storage applications: harnessing the potential of fish industry waste	10.1007/s43939-025-00187-w
32.	ANODIZING PROCESS FOR ENHANCING CORROSION RESISTANCE OF ALUMINIUM ANODES IN 1M NaOH ALKALINE SOLUTION	10.31788/RJC.2025.1819076
33.	Isolation and Characterization of Plant Growth Promoting Endophytes from Linum Usitatissimum	10.30564/re.v7i2.9406
34.	In vitro propagation, synthetic seeds production and clonal fidelity assessment of regenerants of endangered herb Rheum emodi	10.25303/1912rjbt070078
35.	Spectroscopy: A powerful tool for evaluating soil fertility and assessing soil health	10.4018/979-8-3693-7473-3.ch014
36.	Millet biofortification for enhanced iron content: Roadmap for combating hidden hunger	10.1016/j.jafr.2025.101654
37.	Patient dose survey and determination of diagnostic reference levels for routine computed tomography examinations in Uttarakhand, India	10.1016/j.apradiso.2025.111875
38.	Enhancing the functionality of extruded snack (namkeen) using indigenous ingredients of Uttarakhand, India: A predictive modelling approach for shelf-life optimization	10.1007/s44187-025-00333-6
39.	Cannabidiol Vaping–Associated Multifocal NSCLC in a 24-Year-Old Female: A Case Report	10.1016/j.jtocrr.2025.100789
40.	Phyto-mediated Biogenic Silver Nanoparticles Using Ficus Geniculate for Biomedical Application	10.1007/s11244-025-02125-9
41.	Exploring Papaya Byproducts: A Step toward Circular Economy and Sustainability	10.1021/acsfoodscitech.4c00872

42.	Synthesis and characterization of sustainable hybrid bio-nanocomposite of starch and polypropylene for electrical engineering applications	10.1515/jmbm-2025-0038
43.	Green chemistry revolutionizing sustainability in the food industry: A comprehensive review and call to action	10.1016/j.scp.2024.101774
44.	Multispectroscopic and computational insights into amyloid fibril formation of alpha lactalbumin induced by sodium hexametaphosphate	10.1038/s41598-024-80897-y
45.	Harnessing probiotic foods: managing cancer through gut health	10.1007/s10068-024-01638-5
46.	A study of women entrepreneurs as catalysts for sustainable development An inspirational story of Uttarakhand well known “Mushroom Girl”	10.1201/9781032725581-6
47.	Integrating circular economy in smart cities: Challenges and pathways to sustainable urban development	10.1108/978-1-83797-957-820241006
48.	Slaughterhouse blood: A state-of-the-art review on transforming by-products into valuable nutritional resources and the role of circular economy	10.1016/j.fbio.2024.104644
49.	Green Synthesis of Al2O3 Nanoparticles from Agro-Waste as a Sustainable Approach	10.1109/HISET61796.2024.00045
50.	Conversational artificial intelligence at industrial internet of things	10.1002/9781394200801.ch11
51.	Encapsulation of debittered pomelo juice using novel Moringa oleifera exudate for enrichment of yoghurt: A techno-functional approach	10.1016/j.foodchem.2024.139937
52.	Impact of Artificial Intelligence (AI) in Bioremediation of Dairy Effluent by Microalgae and the Potential Application of the Produced Lipid Byproducts	10.1002/9781394272266.ch11
53.	Comprehensive review of sustainable utilization of Arenga obtusifolia Griff. as a food	10.1016/j.jafr.2023.100945
54.	Evaluation of secondary metabolites, nutraceutical potential and amino acid profile of fresh dates (Phoenix dactylifera) alcoholic beverage	10.1007/s44187-024-00137-0
55.	Nanoparticles as a Tool for Alleviating Plant Stress: Mechanisms, Implications, and Challenges	10.3390/plants13111528

56.	Imperative Role of Artificial Intelligence and Nanotechnology in Healthcare Sector for Sustainable Development	10.1002/9781394272266.ch6
57.	Advanced technologies for realizing sustainable development goals: 5G, AI, big data, blockchain, and Industry 4.0 application	10.2174/9789815256680124010 1
58.	Micro-algae: Revolutionizing food production for a healthy and sustainable future	10.1016/j.jafr.2023.100939
59.	Human exposure to uranium through drinking water and its detrimental impact on the human body organs	10.1007/s10653-024-02150-9
60.	Harnessing the potential of microbial keratinases for bioconversion of keratin waste	10.1007/s11356-024-34233-6
61.	Biochar production methods and their transformative potential for environmental remediation	10.1007/s42452-024-06125-4
62.	Structural and functional insights into Dioscorea esculenta (Suthni) flour: a comparative analysis with potato flour for potential application in bakery product	10.1007/s11694-024-02880-5
63.	Fishers 4.0: Revolutionizing Contemporary Fisheries Management through Industry 4.0 Integration	10.1109/HISET61796.2024.00054
64.	Influence of Medical Practitioners' Attitude on the Prescription Behaviour for Generic Medicines	10.1177/09720634231225015
65.	Optimizing microbial strain selection for pyrethroid biodegradation in contaminated environments through a TOPSIS-based decision-making system	10.1038/s41598-024-59223-z
66.	Biofortification as a solution for addressing nutrient deficiencies and malnutrition	10.1016/j.heliyon.2024.e30595
67.	Himalayan fruit and circular economy: nutraceutical potential, traditional uses, challenges and opportunities	10.1186/s43014-023-00220-6
68.	Nutritional, techno-functional properties, and metabolite profiling of Arenga obtusifolia griff. (Tassey) flour in the formulation of functional food	10.1016/j.fbio.2024.105502
69.	Green human resource management and environmental performance: mediating role of green innovation – a study from an emerging country	10.1108/FS-04-2021-0094

70.	Sustainable solutions for food security: Evaluating pre-treatment technologies in the growing fruits and vegetables industry of India	10.1016/j.scp.2024.101580
71.	Optimization of pretreatments to enhance quality characteristics and storage period of kinnow (Citrus reticulata Blanco) using response surface methodology	10.1038/s41598-024-80555-3
72.	Comparative performance of biofire pneumonia panel and standard culture-based methods for diagnosing pneumonia in critically ill patients: Impact on antibiotic stewardship	10.1016/j.ijmmb.2024.100564
73.	Revitalizing elixir with orange peel amplification of alginate fish oil beads for enhanced anti-aging efficacy	10.1038/s41598-024-71042-w
74.	State-of-the-art non-destructive approaches for maturity index determination in fruits and vegetables: principles, applications, and future directions	10.1186/s43014-023-00205-5
75.	Exploring the potential of novel Bacillus sp. G6: Isolation, characterization, and optimization of biosurfactant production from oil-contaminated soil	10.1016/j.molliq.2024.124013
76.	Exploring pharmacological properties and food applications of Asparagus racemosus (Shatavari)	10.1016/j.focha.2024.100689
77.	Investigating chemical pre-treatment methods: Valorization of wheat straw to enhance polyhydroxyalkanoate (PHA) production with novel isolate Bacillus paranthracis RSKS-3	10.1016/j.heliyon.2024.e31572
78.	Editorial: Potential of the plant rhizomicrobiome for bioremediation of contaminants in agroecosystems	10.3389/fpls.2024.1397360
79.	Review of Design Issues, Applications, and Architecture of Wireless Sensor Networks	10.1109/HISET61796.2024.00055
80.	Rhizomicrobiome as a potential source of microbial inoculants for use in in vitro biotization mediated acclimatization of micropropagated plants	10.1016/B978-0-443-23691-4.00015-4
81.	Iimpact of Microorganism-Based Bioremediation on the Fauna and Flora of Different Matrices	10.1201/9781003310136-18
82.	Application of Artificial Intelligence for the Success of Supply Chain Operations in the Age of Data Analytics	10.1109/ICSD60021.2024.10751637
83.	Medicinal Plants of South and Southeast Asia; Bombax ceiba (Red silk cotton)	10.1016/B978-0-443-13769-3.00001-7

84.	LED fluorimetric analysis of uranium in potable groundwater and associated health concerns	10.1007/s10967-024-09770-6
85.	Agricultural Innovations using IOT - A Comprehensive Review	10.1109/ICAC2N63387.2024.10895646
86.	Edible Flowers: Health Benefits, Nutrition, Processing, and Applications	10.1016/C2022-0-02601-5
87.	Traditional and Underutilized Fruits and Vegetables for Attaining Zero Hunger	10.1007/978-3-031-51647-4_8
88.	Microbial Technology for Agro-Ecosystems: Crop Productivity, Sustainability, and Biofortification	10.1016/C2021-0-03424-6
89.	Using Artificial Intelligence (AI) Analyzing Recent Advancements in the Anti-Cancerous Properties of Edible Mushrooms and Their Association with the Mode of Action of Polysaccharides	10.1002/9781394272266.ch10
90.	Effect of Engineered Nanoparticles on Rhizospheric Microbes	10.1007/978-981-97-2355-3_3
91.	Valorization of wastewater through bioremediation approach	10.1016/B978-0-443-27376-6.00010-4
92.	Nutraceutical Potential of Staple Food Crops	10.1002/9781394241576.ch16
93.	Role of Citrus Juice Sacs	10.1007/978-981-99-8699-6_11
94.	Intelligent IoT-Enabled Real-Time Monitoring System for Logistics Management	10.1109/ICCSC62048.2024.10830332
95.	Probiotics in Aquaculture	10.1201/9781003408543-7
96.	Withania somnifera extract reduces gastric cancerous properties through inhibition of gankyrin in cellular milieu produced by Helicobacter pylori and Epstein Barr virus	10.1080/07391102.2023.2252096
97.	Evaluation of polysaccharides, proteins, total phenolic content and antioxidant property of Hypsizygus ulmarius cultivated on varying substrate	10.1109/HISET61796.2024.00062

Certifications and Quality Standards

In recognition of its sustainability practices, SRHU maintains active ISO 14001:2015 (Environmental Management) and ISO 50001:2018 (Energy Management) certifications. These standards ensure consistent environmental monitoring, performance audits, and continuous improvement. SRHU's adherence to these standards underscores its long-term commitment to quality, compliance, and environmental responsibility.



SRHU receives ISO 14001:2015 and ISO 50001:2018 certifications, reaffirming its commitment to sustainable environmental and energy management practices

Swami Rama Himalayan University

NAAC A+

SUSTAINABLE DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS



CLIMATE ACTION

srhu.edu.in

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

The University implements sustainable practices such as rainwater harvesting, wastewater recycling, 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.

1 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**: A 2,500 kW 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 maintains over 5,000 trees across its 200-acre campus. These trees function as natural carbon sinks, absorbing CO_2 from the atmosphere. 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.



CARBON FOOTPRINT
CERTIFICATE 2023-24

PRESENTED TO

Swami Rama Himalayan University

Swami Ram Nagar, Doiwala, Dehradun, Uttarakhand, India

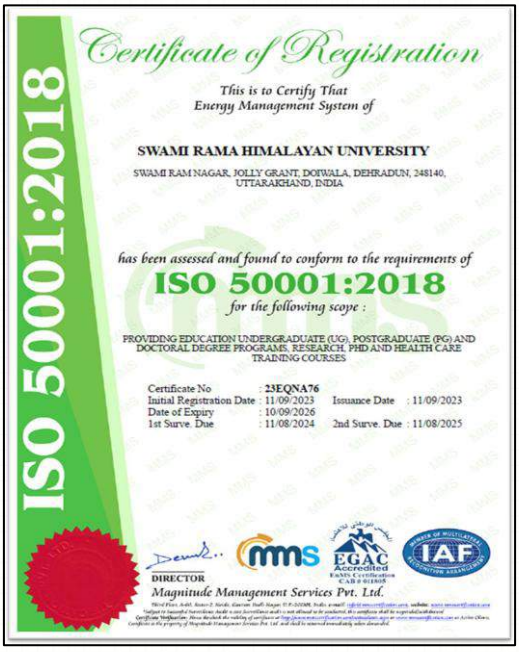
Scope of GHG emissions	tCO_2e	%
Direct emissions to air	858	9.4
Indirect emissions from purchased energy	10	0.11
Other indirect emissions	8260	90.4
Total tCO_2e	9,128	

Dr. Gurpreet Singh
(Authorized Signatory)
Lead Auditor – GHG & Environment Audits
Ecoscience Consultancy, Uttarakhand

ECOSCIENCE CONSULTANCY, Shastri Vihar Colony, Bahadrabad Haridwar, Uttarakhand-249402

Date: 24/03/2024

Carbon Footprint Certification (2023–2024), reflecting SRHU's commitment to climate accountability and sustainable environmental practices



ISO 50001:2018

Certificate of Registration

This is to Certify That
Energy Management System of

SWAMI RAMA HIMALAYAN UNIVERSITY

SWAMI RAM NAGAR, JOLLY GRANT, DOIWALA, DEHRADUN, 248140, UTTARAKHAND, INDIA

has been assessed and found to conform to the requirements of

ISO 50001:2018

for the following scope :

PROVIDING EDUCATION UNDERGRADUATE (UG), POSTGRADUATE (PG) AND DOCTORAL DEGREE PROGRAMS, RESEARCH, PHD AND HEALTH CARE TRAINING COURSES

Certificate No	: 23EQNA76		
Initial Registration Date	: 11/09/2023	Issuance Date	: 11/09/2023
Date of Expiry	: 10/09/2026		
1st Surve. Due	: 11/08/2024	2nd Surve. Due	: 11/08/2025

DIRECTOR
Magnitude Management Services Pvt. Ltd.

ISO 50001:2018 certification demonstrates SRHU's commitment to energy efficiency and sustainable resource management in support of Climate Action

2 Renewable Energy Initiatives

SRHU has taken concrete steps to reduce its dependency on non-renewable energy sources and promote a cleaner, greener, and energy-resilient campus. Through a combination of solar energy production, biogas utilization, and energy-efficient appliances, SRHU contributes actively to reducing greenhouse gas emissions and meeting national renewable energy targets.

2.1 Rooftop Solar Power Installation

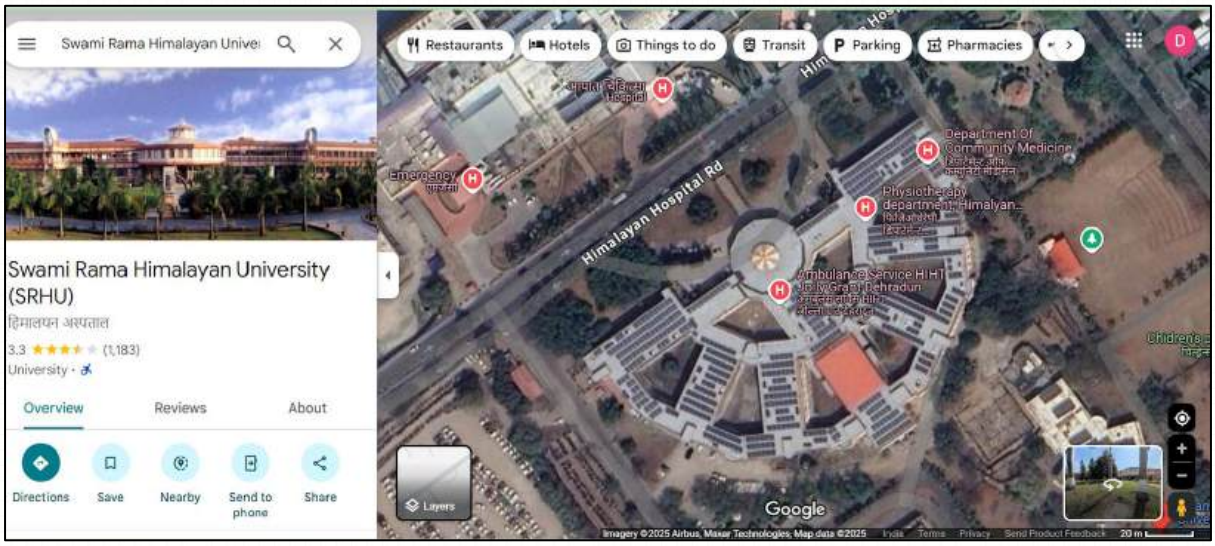
The University (SRHU) demonstrates strong leadership in climate action by aggressively reducing its carbon footprint through the expansion of renewable energy use, especially solar power. Over the past three years, SRHU's rooftop solar plants with total installed capacity of 2,500 kilowatts have generated more than 7.16 million kWh of clean energy, resulting in substantial cost savings and fulfilling up to 17.43% of the University's total electricity demand. The commissioning of a new 1 MW rooftop solar power plant in 2024, equipped with advanced monocrystalline dual-side panels, is projected to further boost clean energy generation by approximately 136,435 kWh monthly. These initiatives significantly reduce dependence on fossil fuels, improve energy efficiency, and contribute clean power back to the grid. By embedding sustainability into its infrastructure and operations, SRHU actively supports SDG 13's mandate for urgent climate action and fosters a resilient, low-carbon future for its community and beyond.



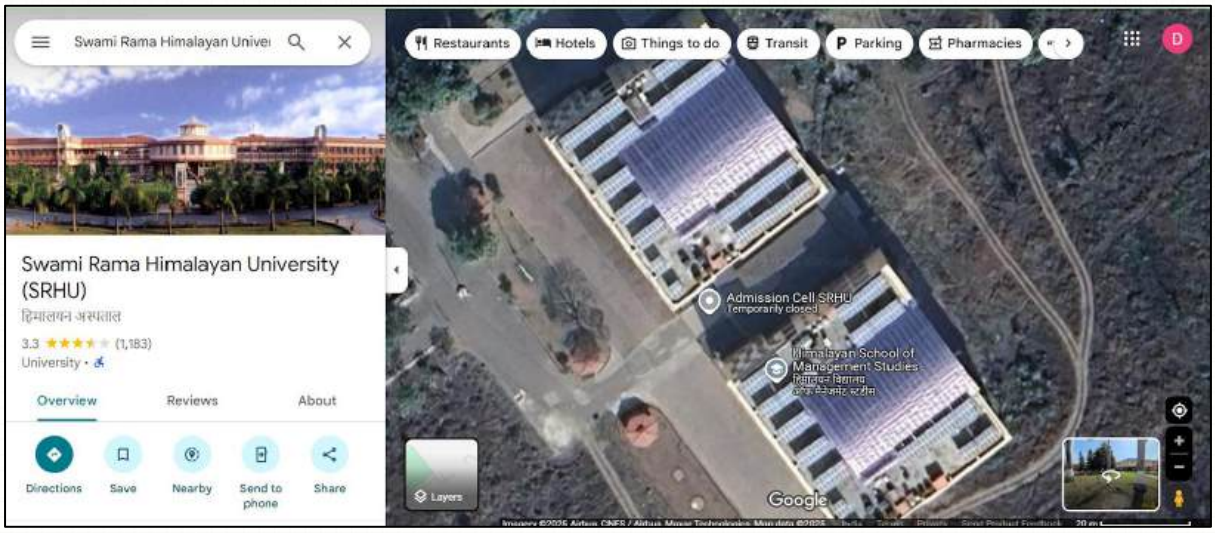
Installation of New Solar Power Plant at Swami Rama Himalayan University



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



Aerial view of Solar panels at HIMS (Google Maps)



Aerial view of Solar panels at SMS and SST (Google Maps)

2.2 Organic Waste to Energy

To complement its solar energy initiatives, SRHU has implemented an organic waste-based biogas plant on campus that converts biodegradable kitchen waste from hostels and hospital kitchens into methane-rich biogas. Processing approximately 100 to 150 kilograms of organic waste daily, the plant generates clean biogas equivalent to 4–6 LPG cylinders each month, which is used as a sustainable cooking fuel alternative. Additionally, the by-product slurry serves as organic compost for the University's gardens and green spaces. This system not only reduces methane emissions from decomposing waste but also prevents organic waste from being dumped in landfills, thereby promoting environmental sustainability and supporting SRHU's commitment to eco-friendly campus practices.



Biogas plant at Swami Rama Himalayan University converts organic waste into clean cooking fuel



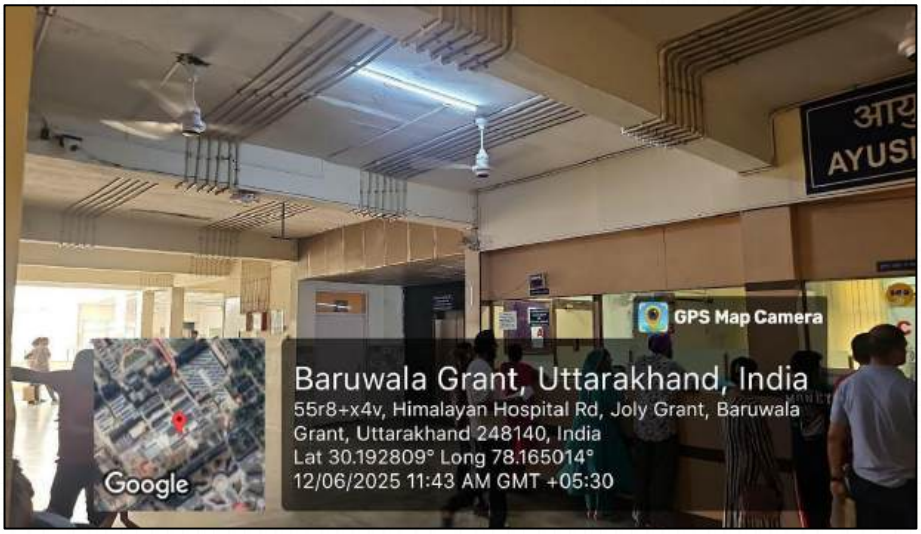
Aerial view of Biogas Plant at SRHU (Google Maps)

2.3 Campus-Wide Use of Energy-Efficient Appliances

To further optimize energy use and reduce electricity consumption, SRHU has implemented high-efficiency electrical appliances across the campus. This includes 100% LED lighting in classrooms, laboratories, offices, hostels, and corridors, significantly lowering energy demand. The University also uses BLDC (Brushless Direct Current) fans, which consume 65% less power than conventional fans, along with BEE 5-star rated appliances such as air conditioners, refrigerators, and geysers to ensure minimal energy consumption. Additionally, motion sensor-based lighting and automated timers have been installed in select areas to prevent unnecessary energy wastage, reinforcing SRHU's commitment to sustainable and efficient energy management.



Implementation of LED lighting at the University office to optimize energy usage and reduce electricity consumption



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



Energy Efficient split inverter air conditioners

3 Water & Waste Reuse

Swami Rama Himalayan University (SRHU) has implemented a robust, multi-tiered system for the treatment, reuse, and conservation of water resources. These initiatives not only promote water sustainability on campus but also contribute significantly to climate resilience, reducing the risk of water scarcity and flooding.

3.1 Sewage Treatment Plant (STP)

The University has implemented a 1 million litre per day (1 MLD) Sewage Treatment Plant (STP) to manage domestic wastewater from its hostels, residential areas, hospital, and academic blocks. Utilizing biological treatment through aerobic processes, the STP ensures that treated water is safely reused for landscape irrigation, horticulture, and plantation—thereby reducing dependency on freshwater sources. This initiative not only safeguards environmental health by preventing untreated discharge into the soil and groundwater but also curtails waterlogging and associated contamination risks. Additionally, by reusing treated water, SRHU minimizes the energy required for fresh water pumping and supports groundwater recharge





Sewage Treatment Plant at the University



Water flow meter monitoring system from water inlet and outlet



Recycling of water from STP aligning with Sustainable Development Goals

3.2 Effluent Treatment Plant (ETP)

SRHU also operates a 90 KLD Effluent Treatment Plant (ETP) to manage chemically contaminated wastewater from hospital labs, diagnostic units, and laundry facilities. The treatment process involves primary filtration, chemical and biological treatment, followed by

disinfection, ensuring the effluent is safe for non-contact reuse such as floor washing and flushing. Fully compliant with CPCB and SPCB regulations, the ETP prevents harmful discharge into the environment, thereby reducing the risk of chemical pollution and eutrophication in water bodies. This initiative supports SRHU's commitment to sustainable water management and aligns with SDG 13 by mitigating climate and ecological risks





Effluent Treatment Plant at SRHU for treatment of clinical and laboratory effluent



DELHI ANALYTICAL RESEARCH LABORATORY

Plot No. 2, (A-2) Timber Block, Jhilmil Industrial Area, Delhi-110095
E-mail : darltesting@gmail.com, www.darltesting.in
Ph.: 011-43545890, 09717324010, 9971520106, 8595224665.
(A GOVERNMENT APPROVED & ISO 9001 : 2015, ISO 45001:2018 Certified Testing Laboratory

TC-5163

TEST REPORT Format No. DARL/QF/50

ULR No.: TC516325000009746F

Report No.	820250626WT019
Sample Receipt Date	26/06/2025
Test Started On	26/06/2025
Date of Completion	30/06/2025
Issue Date	30/06/2025

Report Issue to:
Swami Rama Himalayan University
Swami Rama Nagar Doiwala Dehradun Uttarakhand - 248140.

Name of Sample	STP Inlet water (1 MLD)		
Brand Name	N.S.	Date of Sampling	26/06/2025
Sample Quantity	1 Ltr	Batch/Lot No.	N.S.
Sample Collected by	Our lab Representative Mr. Rajan	Manufacturing Date	Not Specified
Sampling Method	N.S.	Expiry Date	Not Specified
Sample Description	STP Inlet water (1 MLD)		

TEST RESULTS

Group Name : Water Discipline : Chemical and Biological

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	–	6.89	IS : 3025(P-11):2022 Clause no. 9
2	Total suspended solid(TSS)	mg/L	185.0	IS : 3025(P-17):2022 Clause no. 8.1
3	Biochemical oxygen demand (BOD) at 270C for 3 days	mg/L	134.8	IS : 3025(P-44):2023 Clause no.9
4	Chemical oxygen demand (COD)	mg/L	586.2	IS : 3025(P-58):2023 Clause no. 9
5	Oil and grease	mg/L	Less than 4	IS:3025(P-39):2021 Clause no 5.5
6	Microbiological Parameter	-	-	
7	Faecal coliform	MPN/100ml	<2	IS:1622:1981 Clause no. 3.3.3

Remarks : Party asked for above test only.

End of Report

Review by

Authorized Signatory
Mr. Manmohan Pandey
Authorized Signatory (Chemical)

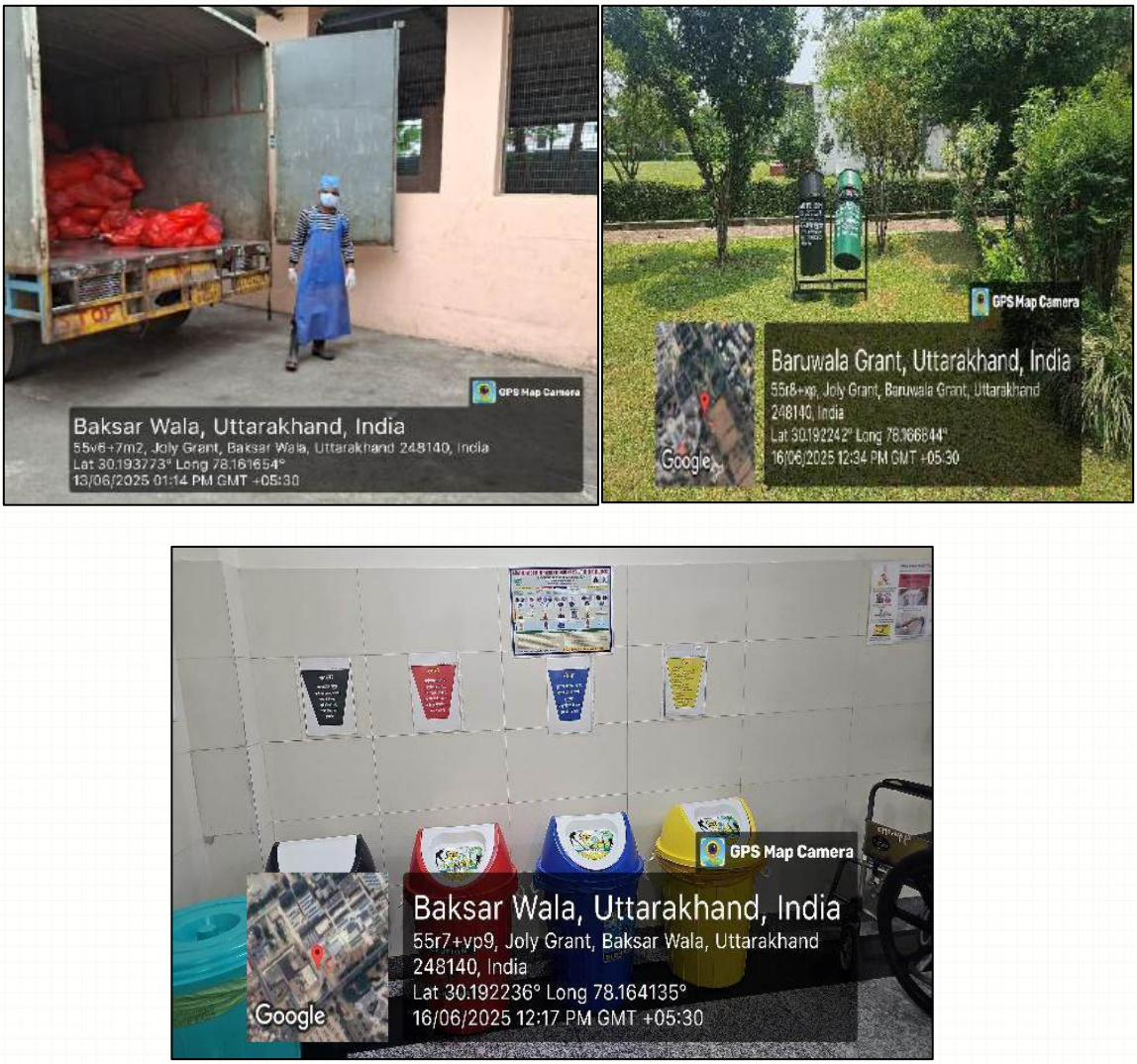
Page No. 1/1

Note: 1. The results are related to the test items only. 2. Sample will be destroyed after one month from the date of issue of test report. 3. This report is not be reproduced wholly or in part and cannot as an evidence in the court of law and should not be used in any advertisement media without written consent. 4. Laboratory is not responsible for customer provided details. 5. When report is without NABL Symbol & URL, it implies that these products & tests are not covered under NABL accredited scope.

Routine Testing report of effluent discharged from ETP

3.3 Waste Segregation and Reduction

A robust, campus-wide waste segregation system has been implemented, with clearly labeled bins for plastics, paper, metals, and organic waste. This source-level sorting promotes efficient recycling, significantly reduces landfill contributions, and prevents environmental pollution. Additionally, regular awareness campaigns encourage students and staff to adopt waste-minimizing habits, such as reducing single-use plastics and making sustainable lifestyle choices—further reinforcing SRHU's low-carbon goals.



Promoting responsible waste management through systematic waste segregation at SRHU

3.4 E-Waste Management

Addressing the growing challenge of electronic waste, SRHU has established a dedicated E-Waste Store and collection system to safely manage obsolete electronic equipment. All e-waste is processed through government-authorized recyclers, and proper documentation is maintained to ensure environmental compliance. Devices are screened by IT professionals to safeguard data before disposal. This systematic approach helps reduce the carbon footprint associated with the improper disposal and production of electronic items, contributing to climate mitigation.







Designated E-Waste Disposal Store at SRHU ensures safe and eco-friendly handling of electronic waste, supporting responsible consumption

4 Electric Mobility and Low-Carbon Campus Operations

As part of its strategy to transition to a low-carbon future, SRHU has integrated electric vehicles (EVs) into its transportation system. These EVs are used for shuttle services, campus logistics, and maintenance activities, replacing conventional fossil fuel-powered vehicles and reducing emissions of CO_2 and other pollutants.



Electric vehicle used on campus to promote green and sustainable transportation.

Students can also rent e-bikes for short durations, making it easier to attend classes, visit facilities, and move around quickly without hassle. This initiative supports the University's commitment to green transportation and enhances the overall campus experience.



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

5 Climate Resilience and Adaptation Strategies

The University actively embeds climate resilience and adaptation strategies into its institutional framework, encompassing operations, research, and community engagement—strongly aligned with the Sustainable Development Goals (SDGs). In response to the growing threats of climate change, SRHU prioritizes capacity-building programs to enhance preparedness and strengthen the resilience of both its campus and surrounding communities.

5.1 Green Landscaping for Climate Mitigation

Landscaping at SRHU is designed not only to enhance the visual appeal of the campus but also to serve as a vital element in its sustainability agenda. By using native plant species, eco-conscious landscape designs, and low-maintenance vegetation, the University supports biodiversity conservation while minimizing resource consumption. Thoughtfully developed green areas—including gardens, tree-lined walkways, and water features—help lower the campus's carbon footprint, improve air quality, and foster a serene, healthy environment conducive to learning. These green spaces are supported by sustainable practices such as rainwater harvesting, organic composting, and soil conservation, reinforcing SRHU's commitment to environmental responsibility.









Numerous varieties of trees, shrubs and seasonal plants across the University premises supporting fauna

5.2 Extensive Tree Plantation Drive

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.



Harela celebration at SRHU fostering cultural awareness and biodiversity conservation



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

6 Rainwater Harvesting System

SRHU has implemented a comprehensive rainwater harvesting system aimed at conserving water and enhancing groundwater recharge across its campus. The infrastructure includes 16 strategically located recharge pits and 2 borewell recharge shafts integrated into the stormwater drainage system. With an average annual rainfall of 2073.3 mm, the campus has a harvesting potential of approximately 3,81,408.7 cubic meters—equivalent to nearly 3.8 crore litres of water per year. This initiative significantly reduces reliance on external water sources, replenishes underground aquifers, and mitigates surface runoff and flood risks.



Underground RWH tank (capacity 150 KL)

6.1 Additional Water Conservation Measures

In addition to robust wastewater treatment and rainwater harvesting systems, Swami Rama Himalayan University (SRHU) has implemented a series of innovative, low-cost, and high-impact interventions to reduce freshwater consumption across its academic, residential, and clinical zones.

6.1.1 Waterless Sanitation Solutions: Installation of over 150 waterless urinals across campus has significantly reduced the need for flushing, saving approximately 1.5 lakh litres per urinal annually, resulting in a total annual saving of 2.25 crore litres of water.



Waterless urinals present at different locations across the University

6.1.2 Cistern Optimization: A simple yet effective practice of placing sand-filled bottles in toilet cisterns has been introduced across the campus to reduce water per flush. This has led to additional savings of approximately 30,000 litres per day, translating to 1.1 crore litres per year.

6.1.3 Reuse of Condensed AC Water: Condensate water from air conditioning units is systematically collected and repurposed, contributing to 1.2 lakh litres of water saved annually—an innovative reuse strategy supporting sustainable water use.



Condensate water from AC Units placed across the campus with an aim to repurpose and recycle water

6.1.4 Recycling of RO Reject Water: RO (Reverse Osmosis) reject water, which is often discarded, is now being utilized effectively for toilet flushing and laundry, leading to annual savings of approximately 32.85 lakh litres.

6.1.5 Sensor-Based Scrub Stations: SRHU has deployed sensor-activated scrub stations in its Operation Theatres (OTs), which minimize water wastage during hand scrubbing. This smart technology saves approximately 5 lakh litres of water per year.



Sensor activated scrub station aiding in water conservation

7 Research at SRHU for Climate Action

SRHU fosters innovation in sustainable technologies, environmental remediation, renewable energy, circular economy, biowaste valorization, and climate-resilient agriculture. The University's research ecosystem supports faculty and students in generating impactful scientific knowledge that informs policy, advances sustainable practices, and enhances climate literacy. Over the past year, SRHU has published an impressive collection of 44 peer-reviewed research works in scopus indexed journals , each contributing to diverse domains such as bioremediation, nanotechnology for environmental applications, sustainable agriculture, IoT-driven climate solutions, and the circular economy. These studies explore real-world challenges—ranging from the use of microbial technologies in waste treatment to

the optimization of renewable energy systems—highlighting the institution's commitment to practical, scalable, and eco-centric innovations.

S.N.	Title	DOI
1.	Experimental investigation on the spectral, mechanical, and thermal behaviors of thermoplastic starch and de-laminated talc-filled sustainable bio-nanocomposite of polypropylene	10.1515/jmbm-2024-0031
2.	Spatial distribution analysis of soil radioactivity using gamma-ray spectroscopy and radiological inferences	10.1140/epjs/s11734-025-01645-5
3.	Advancements in energy storage applications: harnessing the potential of fish industry waste	10.1007/s43939-024-00161-y
4.	Near-infrared spectroscopy for nutrient analysis in manure: Techniques, applications, and innovations	10.4018/979-8-3693-7473-3.ch012
5.	A comparative investigation of ultrasonication and magnetic stirring methods for green synthesis of zinc oxide nanoparticles using Punica granatum peels	10.1038/s41598-025-04926-0
6.	Harnessing nanotechnology for sustainable agriculture: From seed priming to encapsulation	.1016/j.plana.2024.100124

7.	The Human Side of Sustainability: Behavioural Economics in Climate Action and Neutrality	10.1007/978-3-031-83250-5_15
8.	Hospital-associated effluents: the masked environmental threat that needs urgent attention and action	10.1007/s42452-024-06456-2
9.	Analysis of Smart City Solutions for Sustainable Urban Growth in India	0.1109/CE2CT64011.2025.10939348
10.	Plant-microbes-nano fertilizers and their interactions for plant growth promotion and stress management	10.1016/B978-0-443-22285-6.00007-0
11.	Design expert based optimization of the pyrolysis process for the production of cattle dung bio-oil and properties characterization	10.1038/s41598-024-57843-z
12.	Study of radiation exposure to radon in groundwater using scintillation-based RnDuo technique: A statistical analysis for risk assessment	10.1016/j.apradiso.2025.111789
13.	Environmental restoration of poly aromatic hydrocarbon-contaminated soil through sustainable rhizor emediation: insights into bio economy and high-throughput systematic analysis	10.1039/d4va00203b

14.	Correction to: Advancements in energy storage applications: harnessing the potential of fish industry waste	10.1007/s43939-025-00187-w
15.	ANODIZING PROCESS FOR ENHANCING CORROSION RESISTANCE OF ALUMINIUM ANODES IN 1M NaOH ALKALINE SOLUTION	10.31788/RJC.2025.1819076
16.	Exploring Papaya By products: A Step toward Circular Economy and Sustainability	10.1021/acsfoodscitech.4c00872
17.	Synthesis and characterization of sustainable hybrid bio-nanocomposite of starch and polypropylene for electrical engineering applications	10.1515/jmbm-2025-0038
18.	Green chemistry revolutionizing sustainability in the food industry: A comprehensive review and call to action	10.1016/j.scp.2024.101774
19.	Spatial analysis and soft computational modeling for hazard assessment of potential toxic elements in potable groundwater	10.1038/s41598-024-76147-w
20.	Integrating circular economy in smart cities: Challenges and pathways to sustainable urban development	10.1108/978-1-83797-957-820241006
21.	Slaughterhouse blood: A state-of-the-art review on transforming by-products into valuable	10.1016/j.fbio.2024.104644

	nutritional resources and the role of circular economy	
22.	Green Synthesis of Al2O3 Nanoparticles from Agro-Waste as a Sustainable Approach	10.1109/HISET61796.2024.00045
23.	Impact of Artificial Intelligence (AI) in Bioremediation of Dairy Effluent by Microalgae and the Potential Application of the Produced Lipid Byproducts	10.1002/9781394272266.ch11
24.	A novel study on IoT and machine learning-based transportation	10.4018/979-8-3693-5271-7.ch001
25.	Nanoparticles as a Tool for Alleviating Plant Stress: Mechanisms, Implications, and Challenges	10.3390/plants13111528
26.	Advanced technologies for realizing sustainable development goals: 5G, AI, big data, blockchain, and Industry 4.0 application	10.2174/97898152566801240101
27.	Micro-algae: Revolutionizing food production for a healthy and sustainable future	10.1016/j.jafr.2023.100939
28.	Harnessing the potential of microbial keratinases for bioconversion of keratin waste	10.1007/s11356-024-34233-6
29.	Biochar production methods and their transformative potential for environmental remediation	10.1007/s42452-024-06125-4

30.	Numerical analysis of the return flow solar air heater (RF-SAH) with assimilation of V-type artificial roughness	10.1016/j.enbenv.2022.09.002
31.	Optimizing microbial strain selection for pyrethroid biodegradation in contaminated environments through a TOPSIS-based decision-making system	10.1038/s41598-024-59223-z
32.	Green human resource management and environmental performance: mediating role of green innovation – a study from an emerging country	10.1108/FS-04-2021-0094
33.	United nations sustainable development goals in the context of hydrological extremes	10.1016/B978-0-443-21499-8.00014-3
34.	Sustainable solutions for food security: Evaluating pre-treatment technologies in the growing fruits and vegetables industry of India	10.1016/j.scp.2024.101580
35.	Exploring the potential of novel Bacillus sp. G6: Isolation, characterization, and optimization of biosurfactant production from oil-contaminated soil	10.1016/j.molliq.2024.124013
36.	Investigating chemical pre-treatment methods: Valorization of wheat straw to enhance polyhydroxyalkanoate (PHA) production with novel isolate Bacillus paranthracis RSKS-3	10.1016/j.heliyon.2024.e31572

37.	Agricultural Innovations using IOT - A Comprehensive Review	10.1109/ICAC2N63387.2024.10895646
38.	Microbial Technology for Agro-Ecosystems: Crop Productivity, Sustainability, and Biofortification	10.1016/C2021-0-03424-6
39.	Effect of Engineered Nanoparticles on Rhizospheric Microbes	10.1007/978-981-97-2355-3_3
40.	Valorization of wastewater through bioremediation approach	10.1016/B978-0-443-27376-6.00010-4
41.	Intelligent IoT-Enabled Real-Time Monitoring System for Logistics Management	10.1109/ICCSC62048.2024.10830332
42.	An overview of renewable energy sources: technologies, applications and role of artificial intelligence	10.1016/B978-0-443-28947-7.00001-X
43.	Microbiological dimensions and functions in constructed wetlands: A review	10.1016/j.crmicr.2024.100311
44.	Revolutionizing Communication: The Dynamic Shift with 5G Technology	10.1109/HISET61796.2024.00059

8 Community-based Research & Outreach

SRHU connects climate research with **local community needs** through field projects and extension activities:

- As part of its community-based outreach and climate resilience efforts, SRHU's KRC-HIHT conducted two residential training programs in Gangtok, Sikkim, in May 2024, focusing on the Operation & Maintenance (O&M) of Rural Water Supply Schemes and the Source Sustainability & Recharge of Spring Water Sources. These programs trained 102 grassroots stakeholders—including Village Water and Sanitation Committee members, Gram Panchayat representatives, ASHAs, Anganwadi Workers, Junior Engineers, and Implementing Support Agencies—from across the state. By strengthening the capacity of community-level actors to manage rural water systems and protect vulnerable spring sources, the initiative contributes to climate adaptation and water security in the Himalayan region.



Community training sessions on rural water supply management and spring source sustainability conducted in Sikkim

- The organization is conducting an Environmental and Social Audit of Sewage Treatment Plants (STPs) and Interception & Diversion (I&D) projects under the Namami Gange Programme at nine locations across Uttarakhand, focusing on their environmental sustainability and social impact. This audit evaluates how these projects affect local communities' health, sanitation, and living standards, as well as their influence on water and air quality, noise levels, and aquatic ecosystems. By ensuring sustainable design and operation of STPs, the initiative helps reduce pollution and protect ecosystems, contributing to climate resilience and supporting SDG 13's goals of combating climate change and promoting sustainable environmental management.



Left: Sewage Treatment Plant (STP) facility at Uttarakhand site Right: Field testing and monitoring of STP performance to ensure environmental compliance.

9 Conferences, Seminars, and Capacity Building

SRHU hosts and participates in multiple knowledge-sharing forums to promote climate awareness:

Guest Lectures & Webinars: On global climate governance, sustainable development, green technologies, and climate-resilient urban planning.

On April 23, 2024, a guest lecture was organized under the auspices of the National Academy of Sciences, Uttarakhand Chapter. Distinguished environmentalist and historian Mr. Ajay Sharma delivered a keynote address, wherein he contextualized the anthropogenic causes of ecological degradation and underscored the importance of environmental stewardship. The lecture also offered a historical and geographical perspective on the evolution of Dehradun's urban and ecological landscape. Vice-Chancellor Dr. Rajendra Dobhal highlighted the relevance of the 2024 Earth Day theme, *"Planet vs. Plastic"*, emphasizing SRHU's institutional initiatives such as the establishment of a plastic bank to support the reduction of single-use plastics and enhance waste management systems.



Distinguished environmentalist Mr. Ajay Sharma delivers the keynote address during the Earth Day guest lecture at SRHU, highlighting the historical, geographical, and ecological evolution of Dehradun

On June 5, 2024, SRHU hosted an inter-institutional seminar on environmental protection, with a focus on river conservation and drought preparedness. Eminent speakers including Dr. Lokesh Ohri (Been There Doon That), Dr. Brij Mohan Sharma (SPECS), and Dr. Vinod Bhatt (Navdanya Biodiversity Farm) addressed critical themes such as biodiversity preservation, ecosystem resilience, and indigenous knowledge systems for sustainable agriculture. Select faculty members and researchers were also formally recognized for their contributions to environmental sustainability.



Eminent speakers and participants at the inter-institutional seminar on World Environment Day 2024 at SRHU, which focused on river conservation, drought preparedness, and sustainable ecological practices

In September 2024, SRHU's Himalayan School of Pharmaceutical Sciences (HSPS) and Rural Development Institute (RDI) jointly hosted a special session featuring Padma Bhushan awardee Shri Chandi Prasad Bhatt. Drawing upon his decades of experience in grassroots environmental activism, Mr. Bhatt contextualized the challenges confronting Himalayan ecosystems—such as deforestation, resource overuse, and climate vulnerability—and advocated for collaborative, interdisciplinary responses involving policymakers, scientists, and communities. He also emphasized the role of higher education institutions in fostering ecological literacy, sustainable development, and student-led environmental initiatives.



Padma Bhushan awardee Shri Chandi Prasad Bhatt addresses SRHU students on Himalayan environmental challenges and the importance of collaborative and sustainable action for environmental protection

10 Climate Action Events and Celebrations

Swami Rama Himalayan University (SRHU) actively promotes climate awareness and sustainable practices by organizing a wide range of climate action events and observances throughout the year. These events aim to engage the University community—students, faculty, and staff—in meaningful environmental action and education.

SRHU commemorates key international days such as Earth Day, World Environment Day, and major United Nations Climate Conferences (COPs) with diverse and impactful activities. These include tree plantation drives, clean-up campaigns, climate awareness rallies, and interactive workshops focused on sustainable living and conservation practices.

10.1 Poster Presentations and Slogan Competitions

The Himalayan College of Nursing (HCN) marked World Environment Day through a creative engagement initiative involving poster and slogan competitions. Under the supervision of Ms. Preeti Prabha, and guided by Principal Dr. Sanchita Pugazhendi, students produced 16 entries highlighting core environmental themes such as deforestation, pollution, climate change, and biodiversity loss. The initiative served as a pedagogical tool to integrate environmental discourse into nursing education while fostering cross-disciplinary awareness.



Students of the Himalayan College of Nursing (HCN) actively engage in a poster-making competition, creatively expressing themes of environmental protection and sustainability

10.2 Environmental Quiz Competition

An inter-semester environmental quiz was conducted with participation from 145 B.Sc. Nursing students, focusing on ecological principles, current environmental challenges, and climate policy frameworks. The competition sought to promote informed citizenship among future healthcare professionals and was coordinated by the Literary Committee of HCN.



B.Sc. Nursing students of Himalayan College of Nursing (HCN) participate in an inter-semester environmental quiz aimed at enhancing ecological literacy and awareness of climate policy

10.3 "Green Future" – Earth Day 2025 (IEEE SRHU Student Branch)

On April 22, 2025, the IEEE Student Branch at SRHU hosted a multidisciplinary event titled "Green Future: Celebrating World Earth Day". Activities included a quiz competition, environmental skit, wellness and sustainability session, and a campus-wide plantation drive. The program, attended by 132 students, effectively bridged scientific discourse with civic action and cultural expression, demonstrating the value of experiential learning in environmental education.



Students of SRHU's IEEE Student Branch take a collective pledge to protect the environment during the 'Green Future: Celebrating World Earth Day' event on April 22, 2025

10.4 Awareness Drive in Thano Village

The Department of Community Health Nursing (HCN) conducted a targeted environmental awareness campaign in Thano village, engaging local schoolchildren through theatrical performances and poster exhibitions. The event also included a tree plantation ceremony led by faculty members, reinforcing the role of community-based participatory models in environmental education.



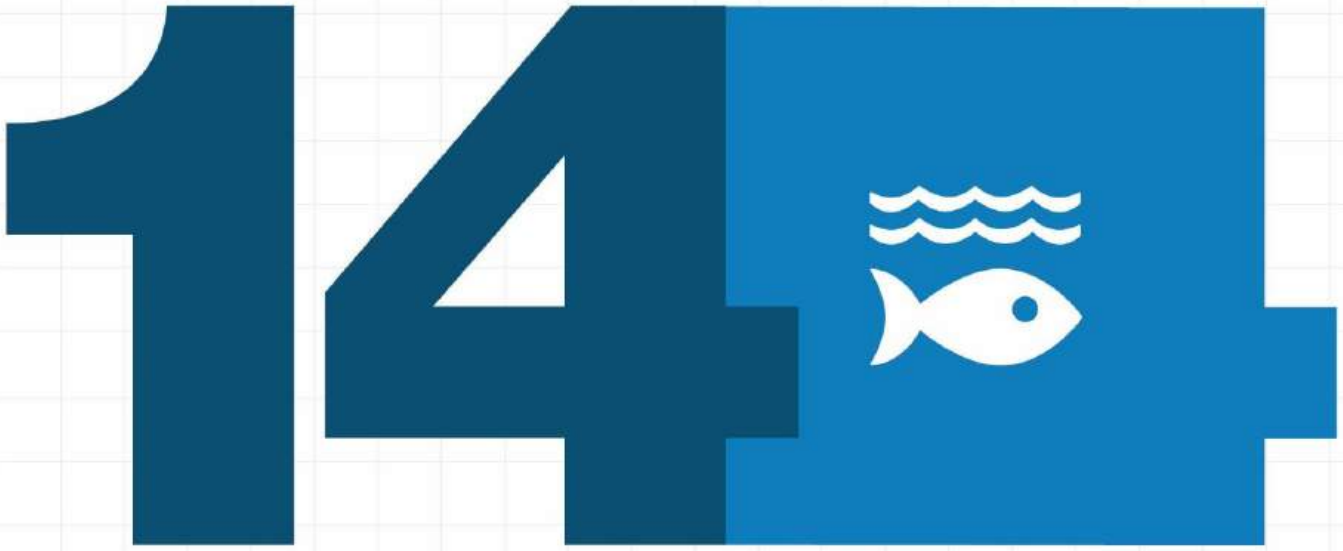
HCN faculty and students lead environmental awareness and tree plantation activities with schoolchildren in Thano village

Swami Rama Himalayan University

NAAC A+

SUSTAINABLE DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS



LIFE BELOW WATER

srhu.edu.in

non-coastal, inland region, the university significantly contributes to this global agenda through scientific research, water ecosystem management, and biotechnological innovation aimed at improving aquatic environments. The initiatives undertaken at SRHU reflect the university's commitment to environmental stewardship, freshwater resource sustainability, and aquatic biodiversity conservation.

1. Academic and Research Infrastructure

The **School of Biological & Biomedical Sciences (SBBS)** at SRHU houses two dedicated laboratories that contribute directly to research and capacity-building under SDG 14:

- **Algal Culture Laboratory:** Facilitates the isolation, cultivation, and study of microalgae with potential applications in wastewater treatment, bioenergy, and environmental monitoring. Supports academic training and interdisciplinary research in algal biotechnology and aquatic health.



Algal Cultivation Laboratory at School of Biosciences, SRHU



Algae being successfully cultivated at laboratory advancing aquatic research

- **Aquatic Toxicology Laboratory**

  Conducts bioassays and ecotoxicological evaluations to assess the impact of pollutants and emerging contaminants on aquatic organisms and ecosystems. Plays a key role in environmental risk assessment and water quality monitoring of inland water bodies.



Aquatic toxicology lab at School of Biosciences at SRHU



Catfishes being successfully reared for experimental purposes at the laboratory

2. Research Projects Aligned with SDG 14

SRHU supports both **intra- and extramural research projects** focused on improving freshwater ecosystems and promoting sustainable aquatic practices:

A. Upgrading Plant-Microbe-Based Approach to Enhance Phytoremediation Method in Contaminated Water Bodies (Intramural)
Principal Investigator: Dr. Vivek Kumar
Duration: 1 year

This project focuses on enhancing natural water remediation processes using symbiotic plant-microbe systems. It aims to reduce the ecological footprint of anthropogenic pollutants and restore aquatic ecosystems using bio-based sustainable technologies.

B. Bio-Prospecting of Microalgae for Biomass Production and Treatment of Hospital Wastewater (Extramural)
Principal Investigator: Dr. Geeta Bhandari
Duration: 3 years

This project aims to explore the dual potential of indigenous microalgae in producing bio-resources and treating hospital effluents. It focuses on developing eco-friendly wastewater treatment systems and supports water sustainability and pollution reduction.

3. Research Publications Supporting SDG 14

SRHU faculty members have published peer-reviewed research that contributes to the understanding and advancement of aquatic health, water purification technologies, and bioremediation strategies. These publications highlight topics such as:

SN	PUBLICATION TITLE	DOI
1.	Advancements in energy storage applications: harnessing the potential of fish industry waste	10.1007/s43939-024-00161-y
2.	Micro-algae: Revolutionizing food production for a healthy and sustainable future	10.1016/j.jafr.2023.100939
3.	Fishers 4.0: Revolutionizing Contemporary Fisheries Management through Industry 4.0 Integration	10.1109/HISET61796.2024.00054
4.	United nations sustainable development goals in the context of hydrological extremes	10.1016/B978-0-443-21499-8.00014-3
5.	Impact of Microorganism-Based Bioremediation on the Fauna and Flora of Different Matrices	10.1201/9781003310136-18
6.	Utilizing marine algal metabolites to fight neurodegenerative diseases	10.3389/fmars.2024.1370839
7.	Probiotics in Aquaculture	10.1201/9781003408543-7

These scholarly contributions play a crucial role in building scientific knowledge and practical applications related to aquatic sustainability, freshwater biodiversity, and environmental safety.

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through its in-house nursery, operated by a dedicated team of staff members. This well-maintained natural environment supports a thriving biodiversity, including 125 floral species, along with a variety of fauna such as 15 bird species, 22 butterfly species, and various reptiles and amphibians, turning the campus into a natural habitat and live biodiversity lab for students and researchers.



Snippets of lush green campus supporting biodiversity







Numerous varieties of trees, shrubs, and seasonal plants across the University premises support fauna

1.1 Cultural Conservation through Harela Festival

SRHU celebrates Harela, a traditional Uttarakhandi festival symbolizing environmental reverence, with an annual campus-wide tree plantation drive. This festival not only honors local cultural heritage but also reinforces the value of nature worship and conservation among students and staff. Over the past few years, more than 100 trees of high ecological and medicinal importance — including Jamun, Amla, Litchi, Pipal, Haldi, Amaltas, Lagerstroemia, and Gulmohar — have been planted. These events have been led by Chancellor Dr. Vijay Dhasmana, who emphasized reconnecting the younger generation with traditional wisdom and environmental ethics. On July 16, 2025, SRHU celebrated the traditional Harela festival — a symbol of harmony with nature — by planting nearly 500 saplings across its campus. Saplings included Jamun, Peepal, Amaltas, Neem, and Lagerstroemia, known for their ecological and spiritual significance.

The campaign was inaugurated by President Dr Vijay Dhasmana, who emphasized that "Harela is not just a festival, but a commitment to ecological responsibility." University leadership, faculty, and staff joined hands to reaffirm SRHU's ethos of environmental conservation and cleanliness as civic duties.



Harela celebration (2025) at SRHU fostering cultural awareness and biodiversity conservation



Annual Harela Celebrations at SRHU Reinforce Commitment to Cultural Heritage and Environmental Stewardship

1.2 'A Tree in the Name of Mother' – Independence Day Drive

On 15th August 2024, SRHU launched a unique initiative titled 'A Tree in the Name of Mother' to mark the 78th Independence Day. Spearheaded by Chairman Dr. Vijay Dhasmana, this plantation drive celebrated the bond between patriotism and environmental stewardship. Faculty, staff, and students participated enthusiastically, planting trees as a tribute to their mothers, symbolizing nurturing care for both family and the planet.



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

1.3 World Environment Day Celebrations

Every year on June 5, SRHU observes World Environment Day with campus-wide and village-level plantation drives. The day serves as a powerful reminder of SRHU's ongoing commitment to biodiversity, sustainability, and climate action. Tree planting, environmental pledges, and awareness campaigns are organized across departments, encouraging deep environmental consciousness among students and faculty alike. On June 5, 2025, the University carried out a series of activities across its academic schools. This year's theme, "Ending Plastic Pollution," was interwoven with initiatives aimed at fostering a deeper environmental consciousness among students and faculty. A highlight of these activities was the Tree Plantation Drive.



Students from SST and SPS at SRHU actively participate in a tree plantation drive, demonstrating their commitment to environmental sustainability and community engagement

1.4 Tree Plantation by RDI

The Rural Development Institute (RDI) at Swami Rama Himalayan University continues to champion environmental sustainability through grassroots-level action. As part of its ongoing commitment to ecological restoration and community empowerment, the RDI team has organized multiple tree plantation drives across rural areas in Uttarakhand. These drives, conducted in collaboration with local villagers, schoolchildren, and community leaders, focus on planting medicinal, fruit-bearing, and native trees that not only enhance green cover but also support livelihoods and long-term environmental resilience.



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



RDI's collaborative plantation drives bring together stakeholders, faculty, and villagers to promote shared responsibility in biodiversity conservation and sustainable development

2. Enhancing Environmental Awareness and Education

In alignment with global imperatives such as the University has undertaken a series of structured, interdisciplinary, and participatory initiatives to cultivate environmental literacy and promote ecologically responsible behavior across its academic and social ecosystem.

2.1 Academic Lectures and Expert Dialogues

- On April 23, 2024, a guest lecture was organized under the auspices of the National Academy of Sciences, Uttarakhand Chapter. Distinguished environmentalist and historian Mr. Ajay Sharma delivered a keynote address, wherein he contextualized the anthropogenic causes of ecological degradation and underscored the importance of environmental stewardship. The lecture also offered a historical and geographical perspective on the evolution of Dehradun's urban and ecological landscape. Vice-Chancellor Dr. Rajendra Dobhal highlighted the relevance of the 2024 Earth Day theme, *"Planet vs. Plastic"*, emphasizing SRHU's institutional initiatives such as the establishment of a plastic bank to support the reduction of single-use plastics and enhance waste management systems.





Distinguished environmentalist Mr. Ajay Sharma delivers the keynote address during the Earth Day guest lecture at SRHU, highlighting the historical, geographical, and ecological evolution of Dehradun

➢ On June 5, 2024, SRHU hosted an inter-institutional seminar on environmental protection, with a focus on river conservation and drought preparedness. Eminent speakers including Dr. Lokesh Ohri (Been There Doon That), Dr. Brij Mohan Sharma (SPECS), and Dr. Vinod Bhatt (Navdanya Biodiversity Farm) addressed critical themes such as biodiversity preservation, ecosystem resilience, and indigenous knowledge systems for sustainable agriculture. Select faculty members and researchers were also formally recognized for their contributions to environmental sustainability.





Eminent speakers and participants at the inter-institutional seminar on World Environment Day 2024 at SRHU, which focused on river conservation, drought preparedness, and sustainable ecological practices

➢ In September 2024, SRHU's Himalayan School of Pharmaceutical Sciences (HSPS) and Rural Development Institute (RDI) jointly hosted a special session featuring Padma Bhushan awardee Shri Chandi Prasad Bhatt. Drawing upon his decades of experience in grassroots environmental activism, Mr. Bhatt contextualized the challenges confronting Himalayan ecosystems—such as deforestation, resource overuse, and climate vulnerability—and advocated for collaborative, interdisciplinary responses involving policymakers, scientists, and communities. He also emphasized the role of higher education institutions in fostering ecological literacy, sustainable development, and student-led environmental initiatives.(For more information)



Padma Bhushan awardee Shri Chandi Prasad Bhatt addresses SRHU students on Himalayan environmental challenges and the importance of collaborative and sustainable action for environmental protection

2.2 Pedagogical Integration and Student Engagement

- The Himalayan College of Nursing (HCN) marked World Environment Day through a creative engagement initiative involving poster and slogan competitions. Under the supervision of Ms. Preeti Prabha, and guided by Principal Dr. Sanchita Pugazhendi, students produced 16 entries highlighting core environmental themes such as deforestation, pollution, climate change, and biodiversity loss. The initiative served as a pedagogical tool to integrate environmental discourse into nursing education while fostering cross-disciplinary awareness.



Students of the Himalayan College of Nursing (HCN) actively engage in a poster-making competition, creatively expressing themes of environmental protection and sustainability

➢ An inter-semester environmental quiz was conducted with participation from 145 B.Sc. Nursing students, focusing on ecological principles, current environmental challenges, and climate policy frameworks. The competition sought to promote informed citizenship among future healthcare professionals and was coordinated by the Literary Committee of HCN.



B.Sc. Nursing students of Himalayan College of Nursing (HCN) participate in an inter-semester environmental quiz aimed at enhancing ecological literacy and awareness of climate policy

➢ On April 22, 2025, the IEEE Student Branch at SRHU hosted a multidisciplinary event titled “Green Future: Celebrating World Earth Day”. Activities included a quiz competition, environmental skit, wellness and sustainability session, and a campus-wide plantation drive. The program, attended by 132 students, effectively bridged

scientific discourse with civic action and cultural expression, demonstrating the value of experiential learning in environmental education.

➢





Students of SRHU's IEEE Student Branch take a collective pledge to protect the environment during the 'Green Future: Celebrating World Earth Day' event on April 22, 2025

c. Community Outreach and Field-Based Environmental Literacy

➢ The Department of Community Health Nursing (HCN) conducted a targeted

environmental awareness campaign in Thano village, engaging local schoolchildren through theatrical performances and poster exhibitions. The event also included a tree plantation ceremony led by faculty members, reinforcing the role of community-based participatory models in environmental education.



HCN faculty and students lead environmental awareness and tree plantation activities with schoolchildren in Thano village

3. Combatting Land Degradation and Desertification

3.1 Rainwater Harvesting

Swami Rama Himalayan University (SRHU) receives an average annual rainfall of 2073.3 mm, creating significant potential for rainwater harvesting. The total annual volume of rainwater available across various campus surfaces—including rooftops, paved roads, open areas, and green belts—has been estimated at approximately 3,81,408.7 cubic meters. To harness this resource efficiently, SRHU has implemented a comprehensive rainwater harvesting system featuring 16 recharge pits, 2 borewell recharge units, and 3 additional recharge pits constructed during 2024–25 to enhance groundwater recharge capacity.

A notable initiative includes the installation of an innovative 150 KL underground rainwater harvesting tank at the Medical College, equipped with an advanced filtration unit tailored to rainfall patterns. This system is designed to supply 3,000 liters per day for use in 119 toilets and 138 bathroom taps across the Medical and Nursing Colleges. Annually, 9.45 lakh liters of harvested water are used for sanitation, while 1.57 crore liters are recharged into the ground through infiltration wells. These measures support long-term groundwater sustainability,

reduce dependence on municipal supply, and demonstrate SRHU's commitment to environmental stewardship.



Rainwater Harvesting Pit at SRHU



Rain water harvesting pit at SRHU near MBBS girls Hostel



Rain Harvesting pit near Cardio Block, SRHU



Underground water tank at SRHU



Recharge Pit near University Office

4. Reduction of Pollution and Degradation

4.1 Soil Conservation through Effluent Treatment

Swami Rama Himalayan University (SRHU), in its commitment to environmental sustainability and responsible resource management, has implemented a robust Effluent Treatment Plant (ETP) to contribute actively towards soil conservation and ecological health, in alignment with Sustainable Development Goal (SDG) 15: Life on Land. The wastewater generated from multiple sources across the SRHU campus—including laboratories, laundry services, hospital facilities, and utility areas—is collected and treated through two advanced systems:

A Sewage Treatment Plant (STP) using Moving Bed Biofilm Reactor (MBBR) technology combined with extended aeration-activated sludge process, which ensures the effective removal of organic and inorganic matter.



Sewage Treatment Plant (STP) with capacity of 1mld located at SRHU



Activated carbon and dual media filters in operation for advanced wastewater treatment



High-capacity air blowers in operation to support the aeration process



Red-marked tap supplying treated wastewater from the sewage treatment plant, promoting sustainable water reuse for landscaping and greenery maintenance

A dedicated Effluent Treatment Plant (ETP) with a daily capacity of 90,000 liters, designed specifically to remove toxic and non-toxic chemical substances, especially those emanating from hospital and laboratory operations. The ETP ensures the wastewater is treated to meet or exceed the safety and environmental standards

prescribed by the State Pollution Control Board. The treated water undergoes rigorous quality assessments before being repurposed for horticultural use across the University's parks, gardens, and green zones.





ETP at SRHU designed to treat and recycle wastewater from institutional activities, ensuring compliance with environmental norms

4.2 Plastic-Free Campus

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

Bank and plastic-to-diesel recycling project. The signage not only promotes awareness but also fosters a culture of environmental responsibility within the University community.



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



Plastic-Free Campus signage at SRHU promoting sustainability.

4.3 Plastic Bank for Recycling

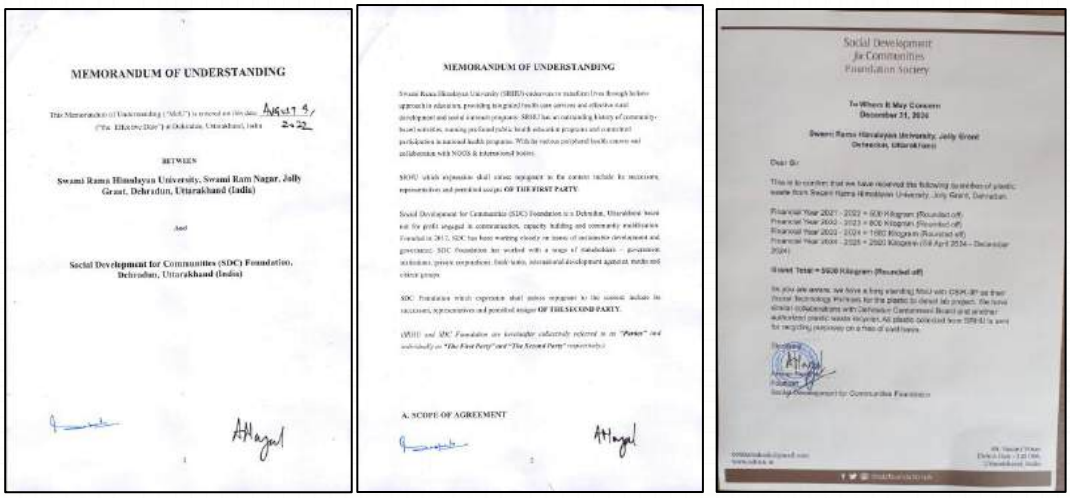
SRHU has established a plastic bank aimed at promoting the recycling of single-use plastics. This initiative encourages the collection and proper disposal of plastic waste, contributing to the reduction of plastic pollution on campus.



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

4.4 Innovative Plastic-to-Diesel Initiative:

From 2021 to 2025, Swami Rama Himalayan University recycled a total of 5,600 kg of plastic in collaboration with CSIR-IIP, its Social Technology Partner for the Plastic-to-Diesel Lab project. This initiative, launched alongside the 'Plastic Waste Bank' in 2022, reflects the University's commitment to sustainable waste management and innovative recycling solutions. Through this partnership, collected plastic waste was processed into fuel, supporting both environmental conservation and technological advancement in plastic waste utilization.


MEMORANDUM OF UNDERSTANDING

BETWEEN

Swami Rama Himalayan University, Swami Ram Nagar, Jolly Grant, Dehradun, Uttarakhand (India)

And

Social Development for Communities (SDC) Foundation, Dehradun, Uttarakhand (India)

MEMORANDUM OF UNDERSTANDING

A. SCOPE OF AGREEMENT

Social Development for Communities Foundation Society

MoU between SRHU and SDC for sustainability and plastic waste management

5. Integration of Renewable Energy and Sustainable Practices

5.1 Solar Power Initiatives

As part of its broader mission to reduce its carbon footprint and environmental impact, SRHU has made solar energy adoption a central component of its energy strategy.

SRHU Solar Power Initiatives and SDG 15 Alignment

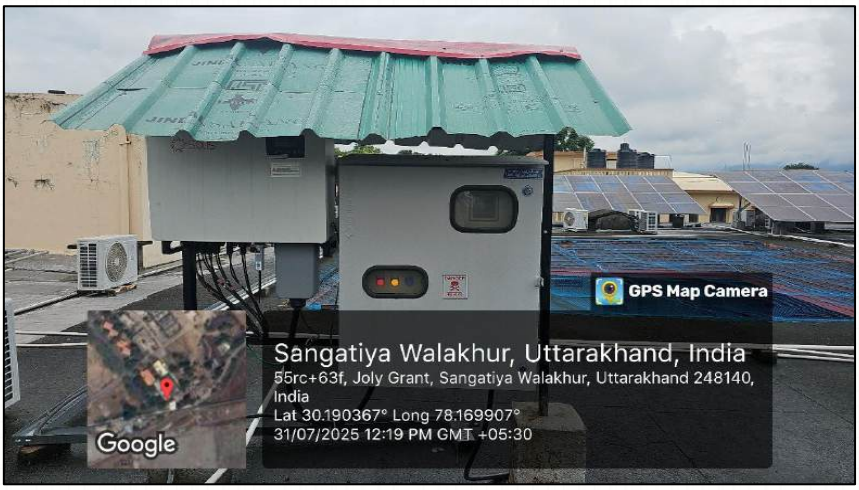
S. No.	Initiative/Component	Details
1.	**Total Solar Energy Generated (Past 3 Years)**	6,112,417 kWh
2.	**Total Electricity Demand (3 Years)**	43,682,417 kWh
3.	**Percentage of Energy Met by Solar**	13.99% of total electricity demand
4.	**Estimated Cost Savings**	₹1.96 crore (approx.)
5.	**Surplus Energy Exported to Grid**	• 2021–2022: 80,160 kWh • 2022–2023: 121,260 kWh • 2023–2024: 114,796 kWh
6.	**New Solar Plant Commissioned**	17 August 2024
7.	**New Solar Plant Capacity**	1 MW rooftop solar (545-watt modules)
8.	**Plant Area Covered**	~4,500 square meters
9.	**Monthly Energy Generation (New Plant)**	Approx. 136,435 kWh/month
10.	**Power Purchase Agreement (PPA) Partner**	M/S Baskhi Engineering Works
11.	**Environmental Impact**	• Reduced fossil fuel reliance • Lowered GHG emissions • Contributed to regional energy sustainability



Installation of New Solar Power Plant at Swami Rama Himalayan University



Rooftop solar panels at School of Management and School of Science and technology harnessing renewable energy to promote sustainability and reduce carbon footprint

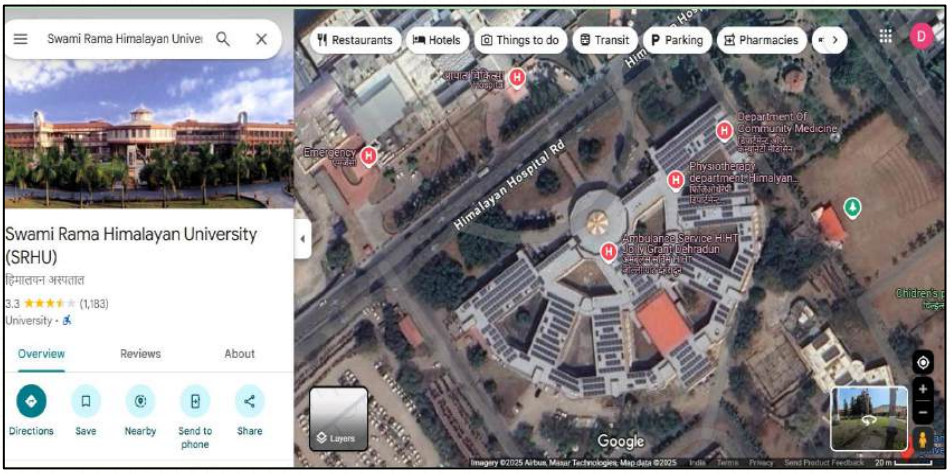


Inverter and Electrical Control Panel at the Guest House Rooftop





Solar PV plant on- grid inverter for wheeling to the grid



Aerial view of Solar panels at HIMS (Google Maps)

5.2 Promotion of Bicycle Usage

SRHU promotes the use of bicycles as a sustainable, healthy, and zero-emission mode of transport within the campus. The campus infrastructure is designed to support cycling with wide internal roads and minimal motor vehicle traffic, making it safe for cyclists. The campus offers an e-bike rental facility exclusively for students to conveniently travel across the university grounds. These electric bikes provide an eco-friendly, efficient, and cost-effective way to navigate the campus, reducing reliance on conventional vehicles and promoting sustainable mobility. Students can rent e-bikes for short durations, making it easier to attend classes, visit facilities, and move around quickly without hassle. This initiative supports the university's commitment to green transportation and enhances the overall campus experience.

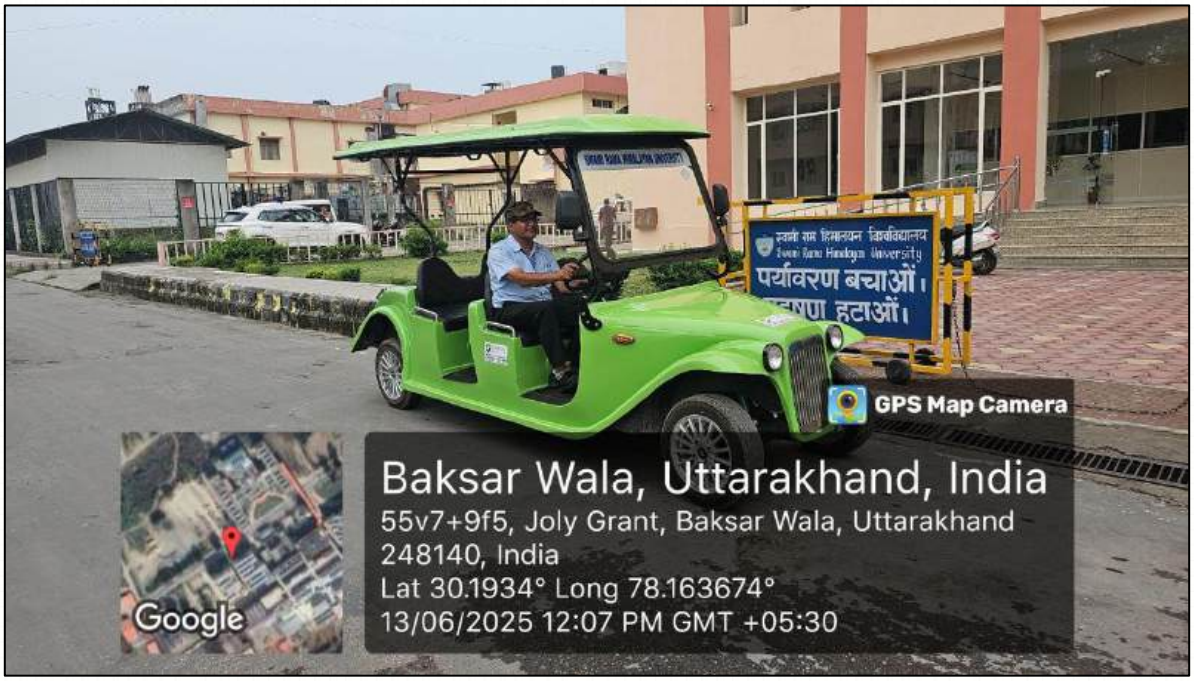


E-bike rental facility available for students to commute sustainably across the campus

5.3 Electric Vehicle for Internal Transport

The institution is committed to promoting sustainable and eco-friendly transportation solutions within the campus. We have integrated electric vehicles (EVs) into our campus mobility system, facilitating efficient and green transportation for students, faculty, and staff. These EVs are maintained through a structured energy management approach, ensuring their readiness and reliability for campus operations. In alignment with national guidelines and the evolving landscape of EV infrastructure


प्रवेश विभाग
ADMISSIONS DEPARTMENT
GPS Map Camera
Baksar Wala, Uttarakhand, India
55r7+99w, Himalayan Hospital Rd, Joly Grant, Baksar Wala, Uttarakhand 248140, India
Lat 30.190376° Long 78.163235°
12/06/2025 09:36 AM GMT +05:30
Google


पर्यावरण बचाओं।
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55v7+9f5, Joly Grant, Baksar Wala, Uttarakhand 248140, India
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Electric vehicle used on campus to promote green and sustainable transportation

6. Research Initiatives

The University's research initiatives encompass sustainable utilization of natural resources, soil and water quality assessment, bioremediation, agro-ecological sustainability, and the preservation of endangered flora and fauna. Key research efforts include investigations into plant growth-promoting microbes, rhizomicrobiome applications for bioremediation, and sustainable agriculture techniques integrating nanotechnology and bio-nanocomposites. Studies on traditional and underutilized fruits, such as Ficus auriculata and Saussurea obvallata, reflect SRHU's emphasis on conserving Himalayan biodiversity and promoting local nutraceutical resources. Additionally, environmental risk assessments related to radionuclide contamination and pollution underscore the university's focus on safeguarding soil and water ecosystems.

SRHU also prioritizes the circular economy and sustainable waste management, evidenced by research on biochar production, microbial keratinase applications, and valorization of agro-industrial byproducts. The institution's dedication to ecological restoration and climate resilience is further highlighted by work on rhizoremediation of polyaromatic hydrocarbon-contaminated soils and organic farming practices adapted to Himalayan environments.

Catalog of Scopus-Indexed Articles Aligned with SDG 15:

SN	Title	DOI
1.	Experimental investigation on the spectral, mechanical, and thermal behaviors of thermoplastic starch and de-laminated talc-filled sustainable bio-nanocomposite of polypropylene	10.1515/jmbm-2024-0031
2.	Mapping of radionuclides for radiological impact assessment in cultivated soil of Punjab, India	10.1016/j.apradiso.2025.111881
3.	Corrigendum to “Comprehensive review of sustainable utilization of Arenga obtusifolia Griff. as a food”	10.1016/j.jafr.2024.101619
4.	Sal (Shorea robusta) seed oil: A sustainable alternative for cocoa butter and edible oil	10.1016/j.fufo.2025.100655
5.	Modern spectroscopic techniques for drug discovery and environmental sustainability	10.4018/979-8-3693-7473-3
6.	Near-infrared spectroscopy for nutrient analysis in manure: Techniques, applications, and innovations	10.4018/979-8-3693-7473-3.ch012
7.	Ficus auriculata Lour., an underutilized nonconventional alternative fruit to Ficus carica with nutraceutical potential	10.1007/s43621-024-00480-3
8.	Anti-diabetic potential of Rubus species: linking conventional knowledge with scientific developments: a review	10.1186/s43014-024-00263-3
9.	A comparative investigation of ultrasonication and magnetic stirring methods for green synthesis of zinc oxide nanoparticles using Punica granatum peels	10.1038/s41598-025-04926-0
10.	Serving local produce in homestays for socio-economic development in Uttarakhand	10.4018/979-8-3373-0427-4.ch011
11.	Hospital-associated effluents: the masked environmental threat that needs urgent attention and action	10.1007/s42452-024-06456-2

12.	Plant-microbes-nanofertilizers and their interactions for plant growth promotion and stress management	10.1016/B978-0-443-22285-6.00007-0
13.	Design expert based optimization of the pyrolysis process for the production of cattle dung bio-oil and properties characterization	10.1038/s41598-024-57843-z
14.	Study of radiation exposure to radon in groundwater using scintillation-based RnDuo technique: A statistical analysis for risk assessment	10.1016/j.apradiso.2025.111789
15.	Environmental restoration of polyaromatic hydrocarbon-contaminated soil through sustainable rhizoremediation: insights into bioeconomy and high-throughput systematic analysis	10.1039/d4va00203b
16.	Assessment of soil gas radon migration and transport through the estimation of radon diffusion length and diffusion coefficient in the soil matrix	10.1016/j.net.2024.11.007
17.	Isolation and Characterization of Plant Growth Promoting Endophytes from Linum Usitatissimum	10.30564/re.v7i2.9406
18.	In vitro propagation, synthetic seeds production and clonal fidelity assessment of regenerants of endangered herb Rheum emodi	10.25303/1912rjbt070078
19.	Spectroscopy: A powerful tool for evaluating soil fertility and assessing soil health	10.4018/979-8-3693-7473-3.ch014
20.	Enhancing the functionality of extruded snack (namkeen) using indigenous ingredients of Uttarakhand, India: A predictive modelling approach for shelf-life optimization	10.1007/s44187-025-00333-6
21.	Estimates of the burden of human rabies deaths and animal bites in India, 2022–23: a community-based cross-sectional survey and probability decision-tree modelling study	10.1016/S1473-3099(24)00490-0

22.	Measurement of natural radionuclides and health risk assessment in soil samples of the Main Central Thrust region in Garhwal Himalaya, India	10.1007/s10661-024-13569-z
23.	Exploring Papaya Byproducts: A Step toward Circular Economy and Sustainability	10.1021/acsfoodscitech.4c00872
24.	Comprehensive review of sustainable utilization of Arenga obtusifolia Griff. as a food	10.1016/j.jafr.2023.100945
25.	Minor flowers of European and American Countries	10.1016/B978-0-443-13769-3.00020-0
26.	Human exposure to uranium through drinking water and its detrimental impact on the human body organs	10.1007/s10653-024-02150-9
27.	Harnessing the potential of microbial keratinases for bioconversion of keratin waste	10.1007/s11356-024-34233-6
28.	Biochar production methods and their transformative potential for environmental remediation	10.1007/s42452-024-06125-4
29.	Fishers 4.0: Revolutionizing Contemporary Fisheries Management through Industry 4.0 Integration	10.1109/HISET61796.2024.00054
30.	Saussurea obvallata (King of Himalayan flower)	10.1016/B978-0-443-13769-3.00015-7
31.	Himalayan fruit and circular economy: nutraceutical potential, traditional uses, challenges and opportunities	10.1186/s43014-023-00220-6
32.	United nations sustainable development goals in the context of hydrological extremes	10.1016/B978-0-443-21499-8.00014-3
33.	Exploring the potential of novel Bacillus sp. G6: Isolation, characterization, and optimization of biosurfactant production from oil-contaminated soil	10.1016/j.molliq.2024.124013
34.	Editorial: Potential of the plant rhizomicrobiome for bioremediation of contaminants in agroecosystems	10.3389/fpls.2024.1397360

35.	Rhizomicrobiome as a potential source of microbial inoculants for use in in vitro biotization mediated acclimatization of micropropagated plants	10.1016/B978-0-443-23691-4.00015-4
36.	Impact of Microorganism-Based Bioremediation on the Fauna and Flora of Different Matrices	10.1201/9781003310136-18
37.	Medicinal Plants of South and Southeast Asia; Bombax ceiba (Red silk cotton)	10.1016/B978-0-443-13769-3.00001-7
38.	Traditional and Underutilized Fruits and Vegetables for Attaining Zero Hunger	10.1007/978-3-031-51647-4_8
39.	Microbial Technology for Agro-Ecosystems: Crop Productivity, Sustainability, and Biofortification	10.1016/C2021-0-03424-6
40.	Effect of Engineered Nanoparticles on Rhizospheric Microbes	10.1007/978-981-97-2355-3_3
41.	SSR In Genome Sequences Of Tartary Buckwheat	10.1109/HISET61796.2024.00046
42.	Microbiological dimensions and functions in constructed wetlands: A review	10.1016/j.crmicr.2024.100311

7. Recognition for Green Practices

The University 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





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

Swami Rama Himalayan University

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SUSTAINABLE DEVELOPMENT GOALS

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PEACE, JUSTICE AND STRONG INSTITUTION

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Sustainable Development Goal 16 is centered on promoting strong institutions, reducing violence and corruption, ensuring access to justice, and fostering inclusive governance. For academic institutions, SDG 16 emphasizes transparency, ethical conduct, participatory decision-making, justice delivery, and respect for human rights within campus communities and beyond.

1. SRHU's Commitment to SDG 16

Swami Rama Himalayan University actively promotes ethical, transparent, and inclusive governance through:

- Institutional policies ensuring academic integrity
- Student and staff codes of conduct
- A focus on ethical research
- Transparent grievance redressed mechanisms
- Awareness campaigns on gender, justice, and good governance
- Capacity-building programs for rural and marginalized communities
-

2. Policies & Governance Framework

2.1 Code of Ethics & Research Integrity

- SRHU has a Code of Ethics governing research, publication, and academic conduct.
- The university published a Handbook of Research and Publication Ethics (2025), outlining best practices to prevent misconduct and promote fair authorship(click here)
- Research at SRHU is guided by institutional ethics committees that evaluate clinical trials, dissertations, and publications for compliance.

2.2 Student Code of Conduct

- Students are introduced to conduct norms, including respect, discipline, anti-harassment, and academic honesty.
- Orientation sessions educate students about university policies and ethical expectations.

2.3 Staff Code of Conduct & Service Rules

- Faculty and administrative staff follow documented service rules and a professional code of behaviour.
- Confidentiality, conflict of interest avoidance, and respectful engagement are core tenets.

2.4 Anti-Harassment & Gender Sensitivity Policies

- SRHU enforces a **zero-tolerance** policy on sexual harassment.

- Gender equity training and workshops promote inclusiveness across campus and field sites.

3. Policy for Prevention of Plagiarism at SRHU

3.1. Institutional Policy

- The "Policy for Prevention of Plagiarism" is formally listed among SRHU's published policies on the university's official portal as item #20. It outlines standards and procedures to uphold academic integrity across all scholars and staff.
- This policy applies to all research outputs, including theses, dissertations, conference papers, journal manuscripts, and academic publications produced by students, faculty, and staff. (click here)

3.2. Core Elements of the Policy

a. Zero–Tolerance Commitment

- SRHU adopts a strict zero-tolerance stance on plagiarism—any detected misconduct is subject to institutional action.
- During Ph.D. thesis submission, researchers must solemnly declare that their work contains no plagiarized content and acknowledge all sources.
- The policy stipulates that even post-award of a degree, if plagiarism is discovered later, SRHU reserves the right to revoke the awarded degree.

b. Undertakings & Declarations

- All Ph.D. scholars must sign a declaration affirming originality of their research work and confirming that both printed and soft-copy submissions are identical without unauthorized changes.
- This undertaking also warns of potential revocation of the degree if the work is later deemed to contain plagiarism.

c. Use of Plagiarism Detection Tools

- Theses and research manuscripts must be checked using approved tools (e.g. Turnitin), with plagiarism similarity reports submitted along with the documents.
- The policy requires learners to use these tools before final submission to ensure compliance and support transparency.

3.3. Oversight & Governance Structure

The Research & Development Cell and associated bodies like the Institutional Research Committee (IRC), University Research Committee (URC), and Research Advisory Committee (RAC) oversee adherence to the plagiarism policy as part of overall research governance and ethics oversight.

Ethics committees and examination boards review similarity scores and declarations before granting approvals for defence, publication, or awarding degrees.

3.4. Disciplinary Measures

- While SRHU does not publicly disclose a granular grading system (e.g. levels based on percentage match), the policy empowers the university to take serious disciplinary actions if plagiarism is confirmed—including revocation of degrees or thesis rejection.
- These measures align with UGC-mandated norms for plagiarism prevention, emphasizing institutional accountability.

3.5. Integration with Ethics Framework

- The plagiarism policy is embedded within SRHU's broader Code of Ethics and Handbook of Research & Publication Ethics, which launched in April 2025. These resources guide fair writing, citation norms, authorship, and ethical publication practices.
- Researchers are required to undergo training sessions and orientation modules that incorporate plagiarism awareness and academic integrity.

4. Intellectual Property (IP) Policy

4.1. Strategic Framework & Vision

SRHU fosters innovation through strong IP governance as part of its Research Promotion Policy (2022), facilitating patenting, licensing, and technology transfer that aligns with national goals like *Atmanirbhar Bharat* and India's Science, Technology & Innovation Policy. Through its Research & Development Cell, SRHU oversees a robust IP ecosystem supported by governance structures (IRC, URC, RAC) that guide invention creation, filings, commercialization, and ethical management. (click here)

4.2. Governing Bodies & Institutional Oversight

- **Research & Development Cell**: Oversees institutional IP strategy and commercialization efforts.
- **Intellectual Property Rights Management Cell (IPMC)**: Led by a technical expert (Dr Bhavna Pal), this cell coordinates prior-art searches, filing procedures, and patent application workflows.
- **Governance Committees**: The IRC, URC, and Research Advisory Committee (RAC) review research proposals and IP-related strategies at departmental and university-wide levels.

4.3. Support & Incentives for IP Creation

- **Patent & Copyright Filing**: SRHU covers filing costs for IP applications for faculty, students, and staff.
- **Financial Incentives**: Innovators receive rewards for patent commercialization, extra-mural funding, and notable research outcomes.

- **Incubation Support**: The **Himalayan Centre for Innovation and Entrepreneurship (HCIE)** provides infrastructure, mentorship, and policy guidance for start-ups emerging out of university research.

4.4. Collaborations & MoUs on IP Sharing

- SRHU has formal collaboration agreements with CSIR-IHBT Palampur and BCIL (Biotech Consortium India Limited) that include joint IP generation and shared commercialization benefits
    - These agree that intellectual property generated through joint projects will be equitably shared between collaborating institutions.

4.5. IP Awareness & Capacity Building

- **Workshops & Training**: SRHU routinely conducts awareness sessions and workshops in collaboration with UCOST and other bodies to educate faculty, staff, and Ph.D. scholars on patents, trademarks, copyrights, and PCT filing systems
- **World IP Day Celebrations**: Annual events highlight the importance of IP—such as featured panel discussions on music and copyright law—attended by students and researchers.

4.6. Implementation Workflow Typical IP Lifecycle

Research Initiation: Departments identify innovations with IP potential under Research Promotion Policy.

1. **IP Evaluation**: IPMC conducts prior-art searches, assesses novelty, and recommends protection strategies.
2. **Filing & Governance**: Researchers complete filings (patents/copyrights) with university support; committees review IP strategy.
3. **Commercialization**: Licensing negotiation facilitated by IPMC; revenue-sharing governed by university policy.
4. **Incubation & Spin-offs**: Promising technologies are moved to HCIE for incubation, startup formation, and market launch.

5. Research Promotion Policy

5.1. Strategic Vision & Purpose

SRHU's Research Promotion Policy (last updated in 2022) aims to position the university as a hub of education, innovation, and translational research—aligned with Indian national frameworks such as UGC, NMC, and the Science, Technology & Innovation Policy. The policy supports emergence of Centers of Excellence, Research Parks, Technology Incubators, and fosters partnership with national and international institutions.click here

5.2. Governance & Oversight

SRHU's policy is implemented via a **three-tier governance structure**:

- **Institutional Research Committee (IRC)** at each academic unit
- **University Research Committee (URC)** seated centrally
- **Research Advisory Committee (RAC)** at the apex—chaired by eminent researchers and policymakers. The RAC reviews research priorities, infrastructure needs, and strategic collaborations.

5.3. Key Objectives & Expected Outcomes

- To encourage high-quality research in areas crucial to the region (e.g., health, environment, plant sciences, rural innovation)
- To promote patents, innovation, translation, and commercialization aligned with *Atmanirbhar Bharat.*
- To build institutional capacity through extramural grant acquisition, post-doctoral fellowships, and research staff recruitment
- To raise SRHU's profile through joint research centers, national/international partnerships, and innovation hubs.
- To create incentives for publishing in quality journals, filing IP, and technology transfer.

5.4. Capacity Building & Research Activities

- SRHU organized a workshop on **Research Methodology and Biostatistics** (Feb 2024) to equip faculty with statistical planning, hypothesis testing, and proposal writing skills. This training emphasized development of case-study-based proposals for intramural/intramural funding.
- Research priorities and strategic scope are periodically reviewed by the RAC, leveraging guidance from national and international experts. This process informs decisions on thematic focus and hiring needs, including post-doc and research associates.

5.5. Incentives & Support for Researchers

- **Publication Subsidies & Awards**: Funding provided for publications and extra-mural grants; monetary or honorary incentives offered for quality outputs and patent filings.
- **Patent Filing Support**: Institutional support includes coverage of filing costs and handling of IPR through the Intellectual Property Management Cell (IPMC).
- **Incubation & Startup Support**: The **Himalayan Centre for Innovation & Entrepreneurship (HCIE)** provides infrastructure and mentorship for startups derived from university research guided by SRHU's Entrepreneurship Policy.

5.6. Collaboration & Industry Linkages

- MoUs with industry and public agencies such as PHDCCI build platforms for knowledge exchange, industrial training, IPR awareness, and carbon credit initiatives.

- These demonstrate SRHU's commitment to bridging academia and external stakeholders.
- RAC includes domain experts from leading academic institutions (e.g. IIT Delhi, AIIMS), enhancing institutional capacity through strategic collaboration.

5.7. Implementation Workflow & Metrics

- Researchers are encouraged to develop proposals following robust methodologies using bio statistical frameworks taught in workshops.
- Innovation review is conducted by IPMC for potential filing; subsequent licensing or commercialization is facilitated by the IP cell and incubator framework.
- Governance committees (IRC, URC, RAC) oversee quality, relevance, and regional focus of research projects.
- Emphasis exists on transition from proposal development to actual extramural funding, patent filing, and start up generation.

6. Policy against Sexual Harassment

6.1. Institutional Policy Framework

- SRHU maintains a formal **"Policy against Sexual Harassment"**, accessible via its official policies portal. This policy covers both students and staff and aligns with the UGC regulations and the **Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressed) Act, 2013. (Click here)**

6.2. Objectives & Applicability

- Aims to ensure a safe, respectful environment free from harassment based on gender, sexual orientation, or identity.
- Applies universally across the university—including students, staff, faculty, and all campus premises.

6.3. Governance Structure & Oversight

- **The Internal Complaints Committee (ICC)** is constituted at SRHU in compliance with statutory mandates.
- The ICC operates independently to receive, investigate, and adjudicate complaints in accordance with Vishaka Guidelines and relevant regulations.
- For student appeals, SRHU appoints an Ombudsperson, a retired district judge to handle grievances unresolved by the ICC.

6.4. Definition & Scope of Harassment

- Sexual harassment includes unwelcome physical contact, demands for sexual favors, sexually coloured remarks, display of pornography, and other verbal or non-verbal conduct with sexual undertones..

6.5. Complaint & Redressal Mechanisms

- Aggrieved individuals can lodge written complaints with the ICC.

- The ICC is responsible for conducting investigations impartially and maintaining strict confidentiality.
- Processes include documented interviews, evidence gathering, possible conciliation, and formal inquiry outcomes.
- Retaliation against complainants is explicitly prohibited and actionable.

6.6. Timelines & Outcomes

- Investigations must be concluded within approximately **90 days** from receiving a complaint.
- Findings are submitted to university administration or district authorities, with actions mandated within **60 days** of final report summary.
- Violations may result in disciplinary actions, including suspension or termination for employees, or campus penalties for students.

6.7. Awareness & Compliance

- SRHU conducts awareness sessions and orientation briefings to educate new students and staff about anti-harassment policies and expected behaviors. Anti-ragging sessions also reinforce respectful community culture.
- Institutional sensitization programs align with UGC and POSH compliance requirements.

7. Policy for Interest-Free Educational Loan / Refundable Financial Assistance,

7.1. Policy Framework & Purpose

- The **Policy for Students' Council** is formally listed as item #25 on SRHU's policies portal, alongside other institutional guidelines such as anti-ragging, scholarships, ethics, and research governance.
- This policy establishes the structure, roles, eligibility, election process, responsibilities, and code of behaviour for the student council at SRHU. click here

7.2. Governance Structures & Mandates

Students' Council

- The Students' Council represents the student body and acts as a liaison between students and university administration.
- It supports a participatory campus governance culture by facilitating communication, organising events, and voicing student concerns.

Supporting Committees

- Additional bodies such as the **Students' Grievance Redressal Committee (SGRC)** and **Internal Complaints Committee (ICC)** complement representation with formal complaint resolution channels.
- An **Ombudsperson**, typically a retired district judge, handles appeals in cases unresolved by SGRCs, enhancing fairness in governance.

7.3. Structure & Election Process (Inferred)

While the policy text isn't publicly accessible, SRHU's orientation and student affairs practices strongly suggest:

- **Elected student representatives** at school or university levels.
- Participation in student-led and administrative events—for instance, oath ceremonies promoting democratic values and voting rights Organized orientation sessions where expectations and conduct standards are set, likely involving council representatives in leadership roles.

8. SRHU Scholarships & Concessions

SRHU offers a structured suite of scholarships and fee concessions to promote equitable access, recognizing merit, supporting marginalized communities, and encouraging retention across its undergraduate and postgraduate programs.click here

8. 1. Merit-Based Scholarships

Awarded based on performance in the last qualifying examination:

Category (CGPA)	UG Students	PG Students
≥ 90% (9.5+)	100% tuition waiver	50% tuition waiver
80–89.9% (8.4–9.4 CGPA)	75% waiver	40% waiver
70–79.9% (7.8–8.3 CGPA)	50% waiver	30% waiver

These scholarships are granted for the **first year** and typically **distributed over the entire program duration**, contingent on renewal criteria.

8.2. Merit-Cum-Means Scholarship

For economically weaker students with annual family income < ₹5,00,000 and securing ≥70% marks:

- 50% tuition fee waiver for first year, renewable if the student maintains ≥70% CGPA and ≥80% attendance each semester.
- Requires an income certificate from a competent authority (verified by the university).

8.3. Special Scholarships (Inclusive Focus)

For **Transgender**, **Differently-Abled**, and **Wards of Non-Commissioned Armed Forces Personnel**:

- **UG Students**: 100% tuition waiver first year, renewable based on performance.
- **PG Students**: 50% waiver.
- Renewal requires ≥80% CGPA and attendance each semester.

8. 4. Fee Concessions

- **Female Candidates**: 25% waiver on tuition fee for first year (some programs limited).
- **SRHU Graduates Pursuing Higher Studies**: 25% waiver for one program when joining higher degree immediately after previous course.
- **Children of SRHU Employees** (eligible after service tenure): 25% tuition concession.

8.5. Free-Ship for Orphans

- One orphan student per program is offered full tuition waiver on a **first-come, first-served** basis.
- Requires **death certificates** of parents and proof of no earning members.

8.6. Other Concessions

- **Domicile concession**—partial fee waiver for residents of Uttarakhand and Himalayan-region states (not widely publicized but referenced via listing portals).

8. **7. Renewal Criteria & Terms**

- Scholarship eligibility for **subsequent years** depends on maintaining a specified **minimum CGPA (usually ≥7.8 or ≥8.4)** and **≥80% attendance** each semester.
- Scholarships and fee concessions are **mutually exclusive**; students usually can avail only one per year.

9. Extension & Outreach 2024–25

9.1. Community Outreach & Rural Impact (via Rural Development Institute – RDI)

SRHU's outreach is anchored in its Rural Development Institute (RDI) in partnership with the Himalayan Institute Hospital Trust: click here for more information

- **Health & Maternal Care**
  - Expanded maternal-child health programs benefiting over **200,000 women** and **19,000 children**
  - Conducted mother-child clinics, geriatric health camps, and adolescent health interventions
- **Education & Awareness**
  - Reached 10,000+ school students with health education campaigns and scholarships to 300+ underprivileged children
- **Water & Sanitation**
  - Completed 200+ water supply schemes across 325+ villages
  - Installed 12,000+ sanitation units and rainwater harvesting systems
- **Adolescent Empowerment**
  - Engaged **110,000+ adolescents** through peer education models
  - Empaneled as a national training provider under Ministry of Health & Family Welfare
- **Disability & Rehabilitation**

- Established 64 Disabled People's Organizations, sensitized 800+ educators and health workers

- Provided social support to 400+ persons with disabilities and assisted 281 disabled children from disaster-affected areas

- **Scale & Geography**
  - Served 2000+ villages across Uttarakhand, UP, and Orissa
  - Delivered community health services to 150,000+ individuals including COVID-relief to 10,000 people

9.2. Public Health Delivery & Disease Prevention

- **Clinic Network & National Programs**
  - Field clinics at RHTC Kurkawala, UHTC Rishikesh, and CHC Doiwala
  - Supported national missions like Pulse Polio, MR Campaign, and diabetes screening
- **Awareness Channels**
  - Activities such as **nukkad natak**, health rallies, focused group discussions, and quizzes drive behavior change
- **Specialized Clinics**
  - Services include maternal-child health outreach, geriatric-friendly clinics, cancer screening, TB awareness, and nutrition interventions

9.3. Capacity Building & Training Initiatives

- **GESI-Responsive Springshed Training**
  - Conducted a 4-day international training on **Gender Equality & Social Inclusion (GESI)** in springshed management, promoting sustainable rural water governance frameworks
  -
- **Bioethics & Clinical Research Ethics Training**
  - A five-week programme (Jan 6–Feb 7, 2025) focused on **Good Clinical Practice (GCP)** and bioethics, sponsored by MoHFW with faculty and ethics committee members in attendance .

9.4. Additional Outreach Programs

- **Mobile Libraries**: Deployed in **68 Uttarakhand villages** to enhance reading access
- **Scholarships Distribution**: Financial aid to meritorious and underprivileged students in rural areas
- **Infrastructure Support**: Built over **600 rainwater harvesting tanks** and provided clean water to more than **550 villages**

- **Sanitation Impact**: Construction of toilets for over **14,000 families, schools and anganwadis**

9.5. Outreach & Institutional Awards

- **Swami Rama Humanitarian Award**: Since 2003, SRHU annually honors individuals/institutions excelling in social, economic, environmental, scientific, and spiritual development .
- **Institutional Collaboration**: Community outreach dovetails through units like the **Department of Community Medicine**, RDI, and peripheral health centres for inclusive and scalable impact

10. Research Publications:

SRHU actively contributes to **Sustainable Development Goal 16 (Peace, Justice, and Strong Institutions)** through impactful research and scholarly publications. Faculty and students engage in multidisciplinary studies addressing themes such as social justice, community resilience, governance, legal frameworks, ethics in healthcare, and inclusive development. Research outputs include peer-reviewed journal articles, policy briefs, and book chapters that provide evidence-based solutions for building strong, accountable institutions and fostering peaceful communities.

Key focus areas include:

- Access to justice and community-based dispute resolution
- Strengthening healthcare ethics and governance in rural and underserved regions
- Policy analysis on human rights, gender equity, and social inclusion
- Capacity-building for transparent and participatory institutional frameworks

These publications not only advance academic knowledge but also support **community outreach initiatives** and inform government and NGO partnerships, amplifying SRHU's role in promoting peace and justice at local, national, and global levels.

S.N.	Title	DOI
1.	Blood group misinformation impacting the attendant's decision-making for a timely blood transfusion to their patient: An ethical dilemma	10.1016/j.tracli.2024.12.003

2.	Availability of anti-rabies vaccine and rabies immunoglobulin in Indian health facilities: a nationwide cross-sectional health facility survey	10.1016/j.lansea.2025.100608
3.	Convolutional Neural Network Based Detection Mechanism for Deepfake Image	10.1109/ICCE63647.2025.10930100
4.	Secure Hybrid Data Transmission Protocol for WSN with Key Management and Message Authentication	10.1007/s42979-025-03946-x
5.	The future of healthcare security: AI and cyber defenses	10.1201/9781003518075-6
6.	Security threats and countermeasures for digital images in smart systems	10.1201/9781003207573-8
7.	Advanced technologies for realizing sustainable development goals: 5G, AI, big data, blockchain, and Industry 4.0 application	10.2174/97898152566801240101
8.	Global Trends in the Prevalence of Alcohol Consumption Among School-Going Adolescents Aged 12–15 Years	10.1016/j.jadohealth.2023.10.007
9.	Secure web applications based on moving target defense: Challenges, solutions, and new trends	10.1201/9781003207573-1
10.	Classification of Rumour Detection System in Online Social Media Platforms	10.1109/HISET61796.2024.00053
11.	Optimization of Deep Learning-Based Model for Identification of Credit Card Frauds	10.1109/ACCESS.2024.3440637
12.	Preserving Privacy in Data Mining: A Comparative Study	10.1109/HISET61796.2024.00047
13.	Web Crawling and Scraping: A Survey	10.1109/HISET61796.2024.00063
14.	Tempered Image Detection Using ELA and Convolutional Neural Networks	10.1109/ICCE59016.2024.10444440
15.	Ethical Consideration in Bioinformatics in AI for Analyzing the Effects of Using SHAT Device on Upper Extremity Functions in Stroke Patients	10.1002/9781394272266.ch8
16.	PACS – Building Blocks of Cyber Security in Medical Data	
17.	COVID-19 Vaccine Acceptance in the Sub-Himalayan Region	10.4103/ijph.ijph_1509_22
18.	The Missing Link Between Opioid Use Disorder and Seizures During Opioid Withdrawal: A Case Series from North India	10.1177/02537176231167080
19.	Opting Right Cloud: The Data Security Vs Adoption Trade-off	10.1109/HISET61796.2024.00051

Swami Rama Himalayan University

NAAC A+

SUSTAINABLE DEVELOPMENT GOALS

SUSTAINABLE DEVELOPMENT GOALS

17

PARTNERSHIPS FOR THE GOALS

srhu.edu.in

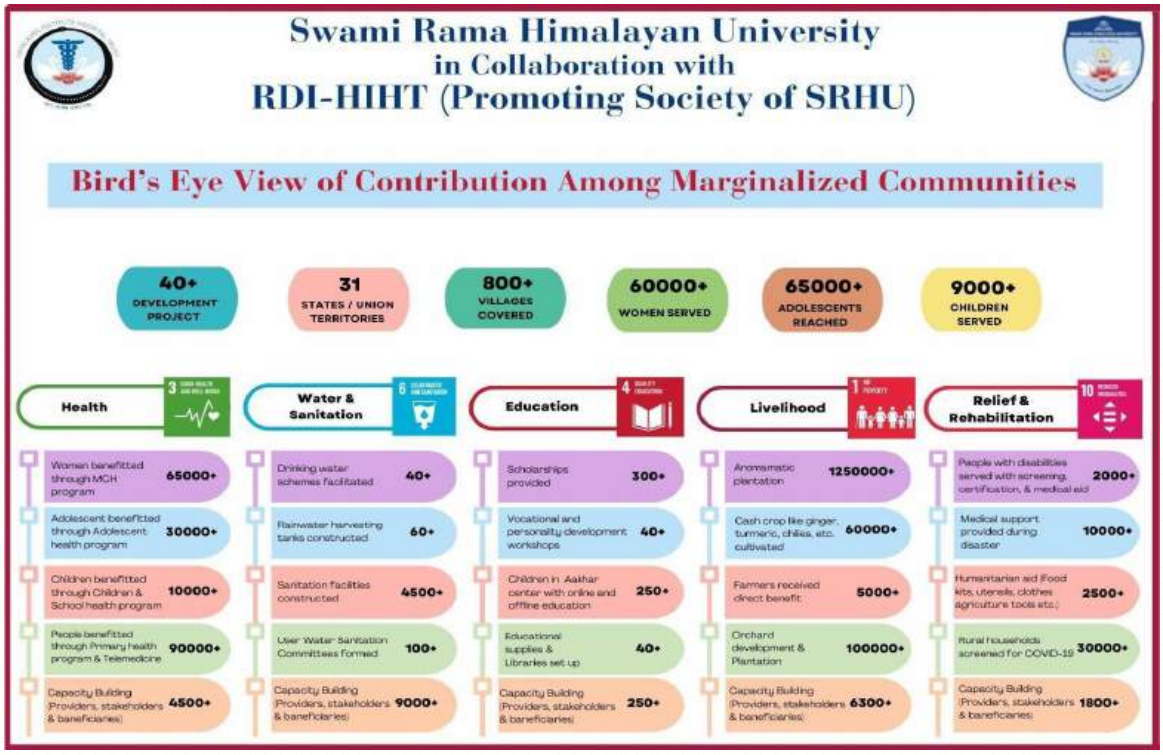
Swami Rama Himalayan University demonstrates a deep commitment to SDG 17 through extensive collaborations with academic institutions, government agencies, industry partners, international bodies, and community organizations. These partnerships are central to SRHU's mission to promote inclusive, sustainable, and scalable development, foster innovation, and strengthen regional and global resilience.

1 Strengthening Regional & Local Collaborations

SRHU is strongly dedicated to addressing Himalayan regional challenges through sustainable community-centric programs. In partnerships with grassroots NGOs, the university delivers healthcare, education, environmental conservation, and infrastructure development. Training over 7,300 individuals under the National Jal Jeevan Mission in springshed management, rainwater harvesting, and sanitation infrastructure has significantly improved safe water access and hygiene outcomes. Empowering 5,000+ farmers via livelihood programs—organic farming, aromatic crop cultivation, and orchard development—has reduced migration and enhanced rural resilience.

During crises such as COVID-19, SRHU has provided critical support to vulnerable communities through emergency relief initiatives.

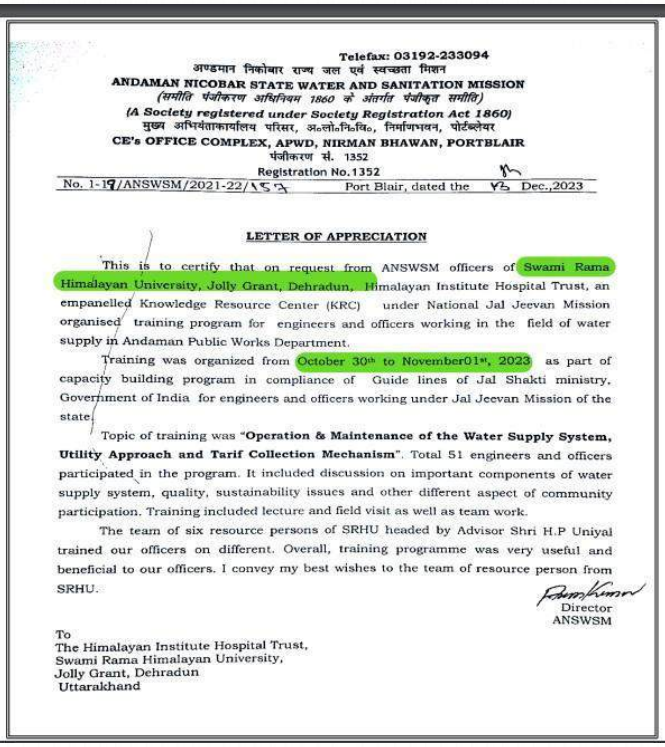
RDI	Reach & Beneficiaries	Thrust Areas
In collaboration with the Rural Development Institute, SRHU has made significant contributions in providing opportunities for social upliftment.	Engaged in 31 states/UTs, covering 800+ villages Benefitted 65,000+ Adolescents, 60,000+ Women and 9,000+ Children	Health Initiatives Water and Sanitation Education and Skill Development Livelihood Generation Relief and Rehabilitation



Area of Focus	Initiatives and Actions	Achievements/Impact
Community Engagement	• Collaborations with NGOs and grassroots organizations. • Focus on healthcare, education, and environmental conservation.	• Improved healthcare access in remote areas. • Enhanced education for underprivileged children. • Promoted sustainable practices.
Water Supply and Sanitation	• Addressed water scarcity in Himalayan regions. • Community-driven approaches involving local stakeholders.	• Safe water access: 55 liters per capita per day. • Significant reduction in waterborne diseases. • Cleaner, healthier communities.
National Jal Jeevan Mission	• Springshed management and rainwater harvesting. • Training of 7,300+ individuals. • Sanitation infrastructure development.	• Constructed 3,100 toilets across 96 villages. • Built 309 rainwater harvesting tanks. • Developed 55 hectares of springshed areas.

Hygiene Promotion	• Awareness campaigns on hand-washing and sanitation practices.	• Over 90% of residents adopted regular handwashing habits. • Improved public health outcomes.
Livelihood Development	• Introduced organic farming and aromatic crops. • Trained farmers in orchard development. • Promoted cash crop cultivation.	• Supported 5,000 farmers. • Established 10 lemon orchards. • Harvested significant quantities of lemongrass, turmeric, and ginger.
Relief and Rehabilitation	• COVID-19 relief: Training frontline workers and distributing essential kits. • Disaster medical aid for vulnerable communities.	• Aided 30,000 individuals during COVID-19. • Provided resources to 2,000 differently-abled individuals. • Assisted 10,000 disaster-affected individuals.
Training and Capacity Building	• Trained 9,000+ individuals in water and sanitation management. • Acted as a National Training Partner for key programs.	• Benefitted participants from 28 states/UTs. • Strengthened community skills for sustainable development.
Regional Development Projects	• Conducted outreach programs. • Encouraged social entrepreneurship among students and faculty to address local challenges.	• Enhanced regional resilience and sustainability. • Promoted innovative solutions to regional issues.
Livelihood Development	• Introduced organic farming and aromatic crops. • Trained farmers in orchard development. • Promoted cash crop cultivation.	• Supported 5,000 farmers. • Established 10 lemon orchards. • Harvested significant quantities of lemongrass, turmeric, and ginger.

Acknowledgment from Andaman Nicobar State Water And Sanitation Mission, for organizing training on capacity building program in compliance of Jal Shakti Ministry, GoI



Telefax: 03192-233094
अण्डमान निकोबार राज्य जल एवं स्वच्छता मिशन
ANDAMAN NICOBAR STATE WATER AND SANITATION MISSION
(समिति पंजीकरण अधिनियम 1860 के अंतर्गत पंजीकृत समिति)
(A Society registered under Society Registration Act 1860)
मुख्य अभियंताकार्यालय परिसर, अ०नो०नि०वि०, निर्माणभवन, पोर्टब्लेयर
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पंजीकरण सं. 1352
Registration No.1352
No. 1-19/ANSWSM/2021-22/ Port Blair, dated the Dec.,2023

LETTER OF APPRECIATION

This is to certify that on request from ANSWSM officers of Swami Rama Himalayan University, Jolly Grant, Dehradun, Himalayan Institute Hospital Trust, an empanelled Knowledge Resource Center (KRC) under National Jal Jeevan Mission organised training program for engineers and officers working in the field of water supply in Andaman Public Works Department.

Training was organized from October 30th to November01st, 2023 as part of capacity building program in compliance of Guide lines of Jal Shakti ministry, Government of India for engineers and officers working under Jal Jeevan Mission of the state.

Topic of training was "**Operation & Maintenance of the Water Supply System, Utility Approach and Tarif Collection Mechanism**". Total 51 engineers and officers participated in the program. It included discussion on important components of water supply system, quality, sustainability issues and other different aspect of community participation. Training included lecture and field visit as well as team work.

The team of six resource persons of SRHU headed by Advisor Shri H.P Uniyal trained our officers on different. Overall, training programme was very useful and beneficial to our officers. I convey my best wishes to the team of resource person from SRHU.

Director
ANSWSM

To
The Himalayan Institute Hospital Trust,
Swami Rama Himalayan University,
Jolly Grant, Dehradun
Uttarakhand

2 Strategic Collaborations: Building a Global and Regional Network

SRHU has established a diverse portfolio of over 40 active Memorandums of Understanding (MoUs) and strategic collaborations with leading national and international institutions, including AIIMS Rishikesh, IIT Roorkee, ICMR, CSIR institutes, and global bodies such as the Lisbon Academic Medical Centre, Kyoto University, ICIMOD Nepal, and the Global Consortium for Breast Cancer in Young Women (GCBCYW).

These partnerships enable joint research on public health, environmental sustainability, and social equity; faculty and student exchanges; cultural interaction; and capacity-building through workshops and training.

Additionally, collaborations with organizations like the National Health Mission, The Hans Foundation, and Tata Strive support healthcare delivery, skill development, and livelihood generation, enhancing SRHU's impact at both the regional and global levels.

Collaboration Type	Key Initiatives	Outcomes/Impact

Academic Collaborations	• Joint academic programs fostering cross- disciplinary expertise. • Student and faculty exchange initiatives. • Shared research infrastructure for enriched learning and innovation.	• Enhanced global perspectives among students and faculty. • Improved academic and research outcomes. • Stronger knowledge exchange networks.
Industry and Government Partnerships	• Skill-building programs to develop industry- ready professionals. • Joint projects tackling societal challenges like health, sustainability, and technology. • Policy consultation for sustainable growth frameworks	• Better employability for students. • Addressed critical regional and national issues. • Influenced sustainable development policies
International Collaborations	• MoUs with global institutions for collaborative research. • Research initiatives on climate change, public health, and inequality. • Cultural exchange programs to foster global citizenship.	• Solutions for pressing global challenges. • Stronger cross-cultural understanding. • Broadened scope for innovation and collaboration.

MoUs to Academic Collaborations: Click here

3 Research and Innovation Networks:

Swami Rama Himalayan University (SRHU) fosters active collaboration among its faculty and researchers to address pressing global and regional challenges. These research partnerships are centered on:

- **Public Health:** Creating cost-effective, innovative healthcare solutions to improve access for marginalized and underserved populations.
- **Sustainability**: Promoting renewable energy innovations and environmental conservation practices to support long-term sustainable development.
- **Social Justice:** Investigating strategies to reduce disparities and promote greater equity and inclusion across communities.

Through these initiatives, SRHU is committed to delivering practical solutions, driving meaningful innovation, and contributing to progress in key areas of global concern.

Extramural Research: Click here

Intramural Research: Click here

SCOPUS linked papers: Click here

4 Capacity Building & Academic Excellence

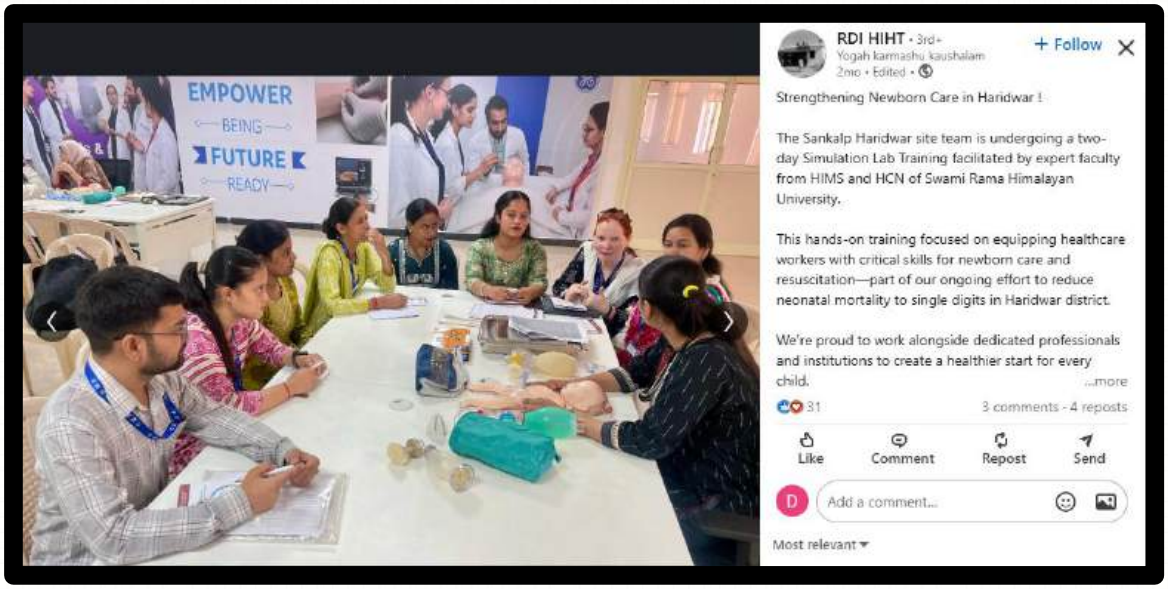
SRHU's Regional Centre for Medical Education Technologies has trained nearly 1,000 faculty members from 17 medical colleges in Northern India, promoting competency-based medical education. **Click here**

In addition, the university's Research & Development Cell oversees innovation promotion policy and collaboration with national and international institutions, including incubating Centres of Excellence and supporting Technology Business Incubators.

Click here for more information



Intensive two-day Simulation Lab Training for ASHA Facilitators



A two-day Simulation Lab hands-on training focused on equipping healthcare workers with critical skills for new-born care and resuscitation

Research Promotion Policy: Click here

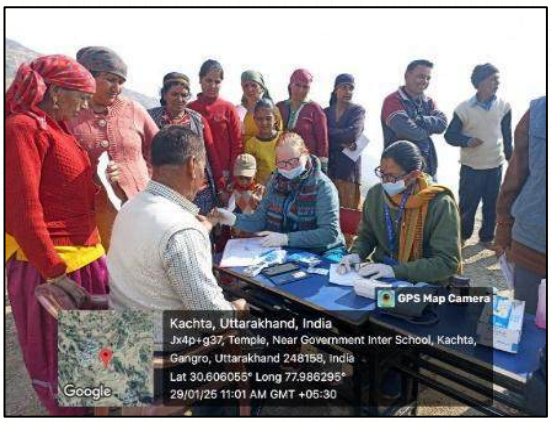
Research Patents: Click here

Research Consortium: Click here

5 Community Outreach & Disaster Response

In alignment with SDG 17, SRHU has trained 9,000+ individuals in water, sanitation, and livelihood initiatives (**Click here 1, 2, 3**) and directly supported 30,000+ beneficiaries in healthcare delivery and disaster relief (**Click here).** These efforts include constructing infrastructure such as hygiene facilities and water systems, distributing essential kits, and delivering critical services during emergencies.





General Health Camp in progress in a remote tribal community

6 Innovation Ecosystem & Entrepreneurship

SRHU runs active Technology Business Incubators (TBIs) nurturing 40+ startups, offering funding, mentorship, and innovation support. Institutional and industry collaborations through bodies like CII, Tata Strive, CSIR, and NABARD amplify the creation of socially relevant technologies and sustainable ventures.

For more information click here

6.1 Livelihood Empowerment and Community-Led Development Click here

In line with SDG 17, SRHU integrates community needs with technical support:

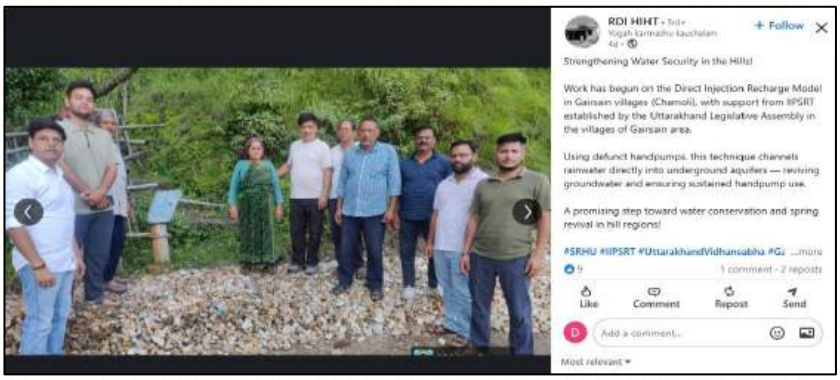
- 5,000+ farmers have been trained in organic farming, aromatic crops, and orchard development, reducing migration and improving income security.
- Over 12.5 lakh aromatic plants and 1 lakh cash crops have been cultivated, leading to significant produce of turmeric, lemongrass, ginger, and red chili.

The university also fosters social entrepreneurship through outreach programs, empowering students and local communities to address regional challenges.

6.2 Public Health, Water, and Sanitation Initiatives

Under the National Jal Jeevan Mission, SRHU has:

- Trained over 7,300 individuals in springshed management, sanitation infrastructure, and rainwater harvesting across 28 states/UTs.
- Facilitated the construction of 3,100+ toilets, 309 rainwater harvesting tanks, and the development of 55 hectares of springshed areas in Uttarakhand.



These efforts have led to:

- Access to over 55 litres per capita per day of safe drinking water in target regions
- A shift in hygiene behaviour, with handwashing practices rising from 15% to over 90%
- Significant reduction in diarrhoeal and waterborne diseases

6.3 Disaster Relief and Health System Strengthening

SRHU has played a critical role during public health emergencies and disasters:

- 30,000+ individuals supported during COVID-19 through health screenings, food kits, hygiene supplies, and awareness drives
- Over 2,000 differently-abled persons received welfare support
- Medical aid provided to over 10,000 disaster-affected individuals

SRHU collaborates with local health departments and panchayats to ensure responsive and inclusive healthcare delivery.

7 Innovation and Entrepreneurship Support

SRHU's Technology Business Incubator (TBI) supports:

- 43+ startups and projects, offering incubation, mentorship, and access to R&D infrastructure
- Collaboration with industry partners such as CII, STPI, and LifeCell International for translating research into market-ready solutions

The university's innovation ecosystem fuels regional economic growth and technological advancement.

For more information click here

8 Knowledge Sharing and Policy Influence

- Faculty contributions to international journals and conferences influence global best practices in health, sustainability, and social development.
- SRHU actively engages in policy consultations and offers technical expertise in sustainable infrastructure, health systems, and data-driven decision-making.

- Internal governance aligns with SDG 17 through embedded policies on cross-sector collaboration, sustainability integration, and inclusive education.

9 Research

Sustainable Development Goal 17 emphasizes the importance of strengthening global partnerships to support and achieve the ambitious targets of the 2030 Agenda. Recognizing that complex global challenges demand collaborative, cross-sectoral, and interdisciplinary approaches, the following Scopus-indexed research contributions represent collaborative efforts across healthcare, education, public health, and policy.

These studies, involving multi-institutional authorship, global collaborations, and knowledge exchange, exemplify how strategic partnerships in academia and research can accelerate progress. From improving maternal and child health outcomes to enhancing stakeholder engagement in higher education and shaping public health strategies, each paper underscores the essential role of shared responsibility and collective expertise.

SN	PUBLICATION TITLE	DOI
1	Born Too Soon: learning from the past to accelerate action in the next decade	10.1186/s12978-025-02044-8
2	Early diagnosis of lupus: A possibilty. A multicentric study from SLE Special Interest Group (SIG) of Indian Rheumatology Association (IRA)	10.1177/09612033241283111
3	SARS-CoV2 and SARS-CoV2 vaccinology	10.1016/B978-0-443-15241-2.00010-7
4	Impact of stakeholder involvement in continuous quality improvement in Indian higher education institutions	10.4018/979-8-3693-1698-6.ch021
5	Motivating tomorrow's blood donors: Impact of college-driven blood grouping initiatives	10.1016/j.tracli.2024.06.010
6	Evaluating global accreditation standards for higher education	10.4018/979-8-3693-1698-6
7	Guidance on mucositis assessment from the MASCC Mucositis Study Group and ISOO: an international Delphi study	10.1016/j.eclinm.2024.102675