



GOAL 17

PARTNERSHIPS FOR THE GOALS

Swami Rama Himalayan University (SRHU) exemplifies its commitment to the United Nations Sustainable Development Goal 17 (SDG 17): Partnerships for the Goals, through strategic alliances, capacity building, and community-focused programs. By collaborating across academic, industrial, governmental, and international sectors, SRHU amplifies its impact on sustainable development, fostering innovation and inclusive growth.

SRHU's academic partnerships promote knowledge exchange, innovation, and global perspectives through joint programs, student and faculty exchanges, and shared research infrastructure. Collaborations with industries and government bodies focus on skill development, sustainability, and addressing societal challenges, contributing to regional and national growth.

Global partnerships enable SRHU to address worldwide issues such as climate change, public health, and inequality, while cultural exchange programs nurture global citizenship and mutual understanding. Through its Regional Centre for Medical Education Technologies, SRHU has revolutionized faculty development in Northern India, training 997 teachers from 17 medical colleges, enhancing teaching standards, and supporting competency-based education.

Community health initiatives include training over 7,300 participants under the National Jal Jeevan Mission and enhancing maternal and child healthcare in Uttarakhand. To combat migration, SRHU has empowered over 5,000 farmers through organic farming and cash crop initiatives, creating sustainable income opportunities and strengthening community resilience.

During the COVID-19 pandemic, SRHU provided disaster relief by distributing food and hygiene kits, conducting health screenings for 30,000 individuals, and aiding differently-abled people. Environmental conservation efforts, such as rainwater harvesting and springshed management, further demonstrate SRHU's commitment to sustainability.

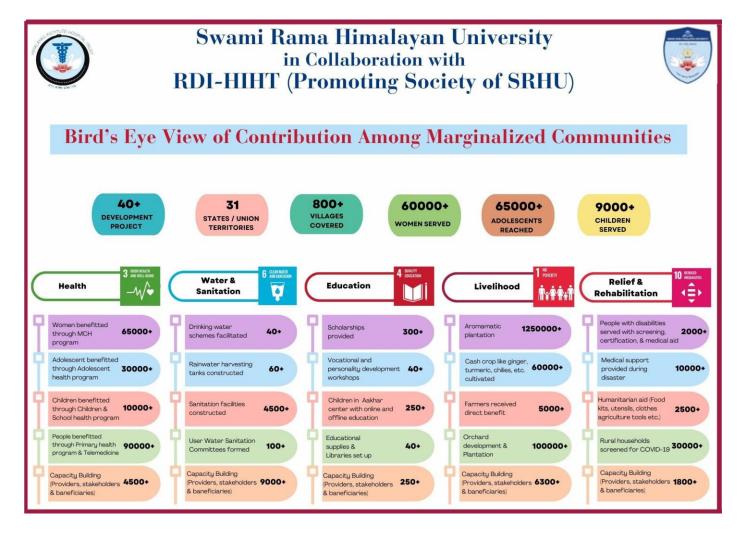




By aligning its academic, research, and outreach programs with SDG 17, SRHU has established itself as a leader in fostering sustainable development, addressing critical challenges, and creating scalable models for global progress.

Strengthening Regional and Local Collaborations

- Community Engagement: SRHU collaborates with local NGOs and grassroots organizations to implement programs addressing:
 - o Healthcare delivery in remote areas.
 - o Educational access for underprivileged children.
 - o Environmental conservation projects.
 - o Regional Development Projects
- SRHU drives sustainable development in Uttarakhand by:
 - o Conducting outreach programs to address local challenges.
 - o Promoting social entrepreneurship among students and faculty to tackle regional issues.







Improving Community Health through Water Supply and Sanitation Services

The Himalayan region, despite being the origin of the sacred rivers Ganges and Yamuna, is water-stressed. Residents face significant challenges due to limited access to safe water. Women, in particular, bear the brunt of this crisis, often spending 3-4 hours daily fetching water from distant sources. The lack of adequate water, sanitation, and hygiene services leads to poor health outcomes and contributes to open defecation, posing severe public health risks.

Addressing the Crisis: A Community-Driven Approach

To tackle these challenges, comprehensive efforts have been initiated to ensure access to potable water and proper sanitation facilities. Key stakeholders involved include:

- Village Water Sanitation Committees
- Panchayati Raj Institutions
- Self-Help Groups
- Local Schools
- Officials from various government departments

Initiatives and Training under the National Jal Jeevan Mission

Under the flagship *National Jal Jeevan Mission* of the Ministry of Jal Shakti, the institution has been instrumental in training mid-level officials from relevant departments, as well as Panchayati Raj functionaries, across India. These capacity-building efforts focus on:

- Springshed Management
- Rainwater Harvesting
- Innovative Water Technologies
- Sanitation Infrastructure Development

Training programs aim to empower communities and officials with the knowledge and skills to implement sustainable water management practices.

Key Interventions

1. Sanitation Infrastructure:

- o Over **3,100 toilets** constructed in 96 villages.
- Creation of garbage pits, soak pits, and compost pits in selected blocks of Tehri and Pauri districts.

2. Water Conservation and Harvesting:

- o Construction of **309 Rainwater Harvesting Tanks** in 21 villages.
- o Development of over **55 hectares** of springshed areas.

3. **Hygiene Promotion**:

o Increasing awareness about the importance of handwashing and hygiene practices.

4. Livelihood & Skills Development

- o **Combatting Migration:** Addressed migration issues in hill regions by improving local income and welfare through organic farming.
- o Aromatic & Cash Crops:





- Facilitated plantation of over 12.5 lakh aromatic plants and 1 lakh cash crops, benefiting over 5,000 farmers.
- Produced 185,000 kg lemongrass, yielding 67 kg of oil from 90 farmers across four villages.
- Harvested 2,100 kg turmeric, 85 kg fresh red chili, 37 kg black cardamom, and 500 kg ginger (produced in a poly-house).

Orchard Development:

- Trained farmers in orchard development.
- Established 10 lemon orchards with 300+ plants per farmer.

5. Relief & Rehabilitation Efforts

- o **COVID-19 Support:** Supported Doiwala and Kalsi blocks with training for frontline health workers.
- Assisted over 2,000 differently-abled individuals in obtaining medical aid, certificates, and access to social welfare schemes.
- Conducted household screenings and school education sessions, screening over 30,000 individuals.
- Distributed 2,500+ food, hygiene, and nutrition kits, along with COVID screening kits (thermal guns, pulse oximeters, masks, gloves, sanitizers, and face shields) for frontline workers.
- Disaster Relief: Provided medical support to over 10,000 individuals during various disasters.

Outcomes Achieved

- Improved Water Availability: Access to safe water has increased to over 55 liters per capita per day (LPCD).
- Enhanced Hygiene Practices: The percentage of people washing hands after defecation has risen from 15% to over 90%.
- Reduced Disease Incidence: There has been a significant reduction in cases of diarrhoea and waterborne diseases.
- **Cleaner Villages**: Community-led sanitation efforts have transformed villages, promoting cleanliness and healthier living conditions.
- Enhanced Multi-Stakeholder Collaboration: Partnered with government bodies, local Panchayats, and NGOs to implement livelihood and healthcare initiatives effectively.
- **Strengthened Health Systems:** Collaborated with the Ministry of Health & Family Welfare to train frontline health workers and implement community-level healthcare programs.
- **Capacity Building:** Trained 5,000+ farmers and frontline health workers, promoting self-reliance and skill development through partnerships with academic and governmental organizations.
- **Global-National Integration:** Acted as a National Training Partner for programs like the Rashtriya Kishore Swasthya Karyakram, benefitting 31 states/UTs, demonstrating a scalable partnership model.
- **COVID-19 Pandemic Response:** Coordinated with local administrations to provide training, healthcare resources, and food kits to vulnerable populations, ensuring resilience during the pandemic.
- **Support for Sustainable Development:** Enabled cleaner villages, better water access, and reduced disease incidence by collaborating with National Jal Jeevan Mission and local village committees.

Impact of Training Programs

• More than **9,000 participants** have been trained to date, including over **7,300 individuals** under the Jal Jeevan Mission project.

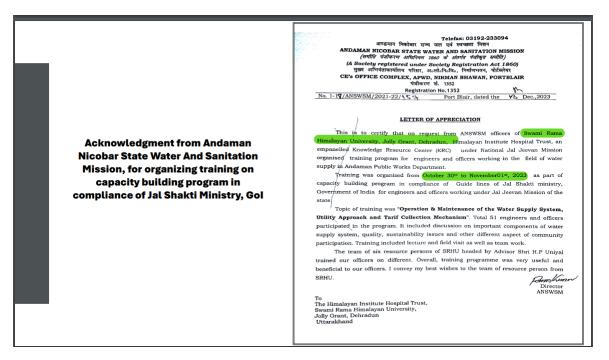




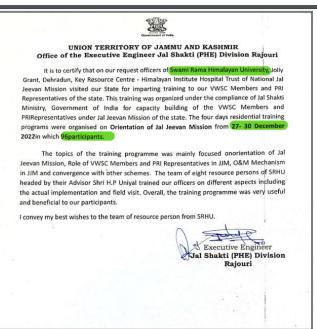
• The training programs have spanned **28 states across India**, equipping communities with tools for sustainable water and sanitation management.

A Sustainable Future

Through these targeted interventions, 185 villages in the Himalayan region now have access to potable water and sanitation facilities. By combining grassroots participation with government support and innovative technologies, the initiative has not only improved health outcomes but also empowered communities to take ownership of their water and sanitation needs. With continued efforts, the region is on its way to becoming a model of sustainable water management and improved public health.



Acknowledgment from the office of Executive Engineer Jal Shakti (PHE) Division Rajouri, Jammu & Kashmir for organizing training on capacity building in compliance of Jal Shakti Ministry, Gol

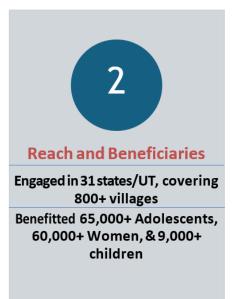








In collaboration with the Rural Development Institute (RDI) SRHU has made significant contribution in providing opportunities for social upliftment.





Strategic Partnerships and Collaborations

Academic Collaborations

SRHU has formed alliances with leading academic institutions to promote the exchange of knowledge, ideas, and best practices. These partnerships include:

- Joint academic programs to create cross-disciplinary expertise.
- Student and faculty exchange initiatives to build global perspectives.
- Shared access to research infrastructure, enriching academic and research experiences for stakeholders.

Industry and Government Partnerships

Collaborations with industries and government organizations bolster SRHU's impact on regional and national development. Examples include:

- Skill-building programs that prepare students for industry-ready roles.
- Joint projects that address societal issues, such as health, sustainability, and technology.
- Policy consultation with government bodies to shape frameworks for sustainable growth.

International Collaborations

SRHU's international partnerships include memoranda of understanding (MoUs) with global institutions. These partnerships facilitate:

• Collaborative research addressing worldwide challenges like climate change, public health, and inequality.





 Cultural exchange programs that nurture mutual understanding and global citizenship among students and faculty.

S. No.	Name of the Party	Title of Agreements/MoUs/License Deeds	Document Link
1	AIIMS Rishikesh	To exchange information, articles, reports and teaching material in order to support the collaborating teaching, training & research activities between AIIMS Rishikesh and Swami Rama Himalayan University.	<u>Link</u>
2	Medical Pollution Control Committee	To dispose of and arrange material of operation & maintenance of the Bio-Medical Waste generated at Himalayan Hospital.	<u>Link</u>
3	Mahatma Gandhi National Council for Rural Education, Hyderabad	1- For academic and research development and capacity building in the field of management discipline with specific courses in rural management, both at the UG and PG level. 2- To enhance relations and recognize the benefits to be derived from increased mutual collaboration, cooperation and interaction for further promotion.	<u>Link</u>
5	Shaheed Durga Mall College, Doiwala	Either party agreed for collaborative work in the area concerning to social, health, educational management etc. In order to discharge the social responsibility	<u>Link</u>
6	SGPGI, Lucknow	To exchange information, articles, reports and teaching materials in order to support the educational programs of each institution in the field of the Professional Competencies (particularly the areas of Communication, Skills, Ethics, Professionalism)	<u>Link</u>
8	CSIR-CIMAP, Lucknow	To share the facilities and expertise available in each other's Institutes.	<u>Link</u>
9	ICMR- NCDIR	Hospital Based Cancer Registries in India	<u>Link</u>
10	IIT, Roorkee	To exchange of research documents as per University norms, visits of faculty, staff and student to each other campus for promoting the excellent research in the field of Biomedical science, engineering and technology.	<u>LInk</u>
11	Social Development for Communities (SDC)	For sustanable developement goals, climate change, waste management etc.	<u>Link</u>
12	Global Consortium for Breast Cancer in Young Women (GCBCYW)	MEMORANDUM OF UNDERSTANDING (MoU) for establishing a Global Consortium for Breast Cancer in Young Women (GCBCYW) between(1) Cancer Research Institute (CRI), Swami Rama Himalayan University (SRHU), Dehradun, India (2) Lisbon Academic Medical Centre -North Lisbon University Hospital Centre, Lisbon, Portugal (3) Graduate School of Medicine and Faculty of Medicine Kyoto University, Kyoto, Japan (4) Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Tata Memorial Centre, Mumbai, India (5) Rajiv Gandhi Cancer Institute and Research Centre (RGCIRC), New Delhi, India	<u>Link</u>





13	Regional Centre for Urban & Environmental Studies (RCUES) Lucknow	For enabling efficient knowledge sharing and information exchange for enhancing the institutional capacity development	<u>Link</u>
14	ECHO INDIA PROJECT	To demonopolize knowledge and amplify the capacity to provide best practice care for underserved people all over the world	<u>Link</u>
16	Cochlear Implant Surgery Under ADIP Scheme of Government of India	For conducing Cochlear Implant Surgery for the Candidate approved by AYJNISHD	<u>Link</u>
17	Mrs. Shirin Vidya Venkatramani	To provide funds to empower the skills leading to strengthening the income and lives of the people in need	<u>Link</u>
18	CSIR-NBRI	Collaboration on Research & Development and Academic including faculty and student exchange	Link
19	M/s. Life Cell International Pvt. Ltd.	To provide large range of diagnostic and pathology service	<u>Link</u>
20	S. K Memorial Hospital	For referring / transfer of patient for appropriate care and treatment	<u>Link</u>
21	International Medical Services (Proprieter Mr. Bipin Bihari Choubey)	Financial support for 3 years to Ph.D Student	Link
22	INFLIBNET	To meet the objectives pertaining to submission and access to Electronic Thesis and Dissertations in Shodhganga as envisaged by the UGC	<u>Link</u>
23	CSIR -IHBT	Collaboration on Research & Development and Academic including faculty and student exchange	<u>Link</u>
24	American Heart Association	To provide training in the areas of Basic life support and Advanced Cardiac Life Support in collaboration with American Heart Association.	<u>Link</u>
25	Indian Association of Uttarakhand (IAU), Dehradun	For jointly enriching the technical eductaion process and for promoting industrial advancement	<u>Link</u>
26	PHD Chamber of Commerce and Industry, New Delhi, India	For strengthening the ties between industry and academia	<u>Link</u>
27	Indian Society for Training and Development (ISTD), Dehradun	For strengthening the ties between industry and academia	<u>Link</u>
28	National Health Mission, Uttarakhand, Danda, Lokhand, Dehradun	Supplementary MOU with NRHM Uttarakhand for RBSK for the treatment of Children's	<u>Link</u>
29	The Hans Foundation	Treatment of poor children under 18 years who are suffering from deseases/conditions not covered under RBSK	<u>Link</u>





30	Confederation Of Indian Industry ("CII") Young Indians (Yi)	For creating a platform for Young Indians to realize the dream of a developed nation	<u>Link</u>
31	Airports Authority of India, New Delhi	For internship program	<u>Link</u>
32	SRHU-HIHT for its Rural Development Institute(RDI)	To mutually share resources, conduct research, outreach activities in the field & cooperate with each other in area of village development, health, education, sanitation etc.	<u>Link</u>
33	Auriga Research, New Delhi	For the purpose of jointly enriching the clinical research practices and for promoting research in the relevant field.	<u>Link</u>
34	Tsukuba University, Japan	To provide framework for the future development of cooperation	<u>Link</u>
35	KV Clinical Research Pvt Ltd, Raipur, Chhattisgarh	Executed/copies sent to legal dept. for notary purpose	
36	AIC STPINEXT INITIATIVES, Software Technology Park of India (STPI)	Executed/copies sent to legal dept. for notary purpose	
37	Hemwati Nandan Bahuguna Uttarakhand Medical Education University (HNBUMU), Dehradun	Executed	Link
38	Mango DB	To explore the running of a program planned by Mango DB for Partner needs	
39	NABARD	To recognize and empanelled Himalayan Hospital under NABARD for providing healthcare facilities to their employees.	
40	ICIMOD, Kathmandu, Nepal	For Collaboration for the co-development and scaling of spring- shed water management	
41	Clinical Trial Agreement (Parexel International Clinical Research Pvt. Ltd)	Clinical Trial Agreement between Dr. Sanjeev Verma, Swami Rama Himalayan University and Parexel Int. Pvt. Ltd	
42	Biotech Consortium India Limited	For the transfer of technology(ies) to BCIL by Licensing to Industry for their further development and commercialization	
43	Tata Strive Google scholarship programme	For enhancing the employability	
44	Akhildev IPR & Research Services	For the purpose of IPR matters	
45	Stroke Registry		
46	ICMR-NIV		
47	CHC Doiwala		





48 Somaya Research & Health Services

Research and Innovation Networks

- Joint Research Projects: SRHU faculty and researchers participate in joint projects. These projects address critical areas, including:
- Public health: Developing affordable healthcare solutions for underserved communities.
- Sustainability: Exploring renewable energy and environmental conservation strategies.
- Social justice: Researching methods to reduce inequalities.
- Link

Innovation Hubs

The establishment of Technology Business Incubators (TBI) supports startups and entrepreneurs by providing:

- Pre-incubation and incubation facilities for 43+ projects.
- Funding opportunities and mentorship to translate ideas into practical solutions.
- State-of-the-art resources for innovation and research.

Knowledge Sharing Platforms

Through contributions to international journals, conferences, and global research networks, SRHU actively shares insights and findings that advance global development goals.

• List of teachers who attended Faculty Development Programmes including online programmes during the last five years: Link

Capacity Building Initiatives

- Skill Development Programs: SRHU organizes workshops, seminars, and training programs for students, faculty, and stakeholders to:
- Enhance critical skills in research, entrepreneurship, and leadership.
- Build expertise in emerging areas like artificial intelligence, sustainable development, and healthcare.
- Total number of professional development / administrative training programmes organized by the Institution for teaching and non-teaching staff during 2022-23: 253
- List of professional development Programme organized for teaching staff
- List of administrative training Programme organized for non-teaching / technical staff





Empowering Education

Focused on empowering both students and faculty, SRHU provides opportunities such as:

- Scholarships for professional development.
- Hands-on training in cutting-edge technologies and methodologies.

Training for Global Stakeholders

Swami Rama Himalayan University (SRHU) has been at the forefront of enhancing medical education standards by focusing on the professional development of health profession teachers. Through its **Regional Centre for Medical Education Technologies**, the University has played a pivotal role in training faculty, fostering innovation, and addressing the challenges of medical education in rural and underserved areas of Northern India.

Objectives

- **Faculty Development:** Train health profession teachers in medical education technologies to equip them with innovative teaching methodologies.
- **Continuous Learning:** Organize Continuous Medical Education (CME) programs to ensure faculty remain updated with advancements in healthcare and pedagogy.
- **Student-Centric Learning:** Enhance teaching standards to make learning more enjoyable and effective for students, aligned with the vision of HH Swami Rama.

Context

- When the **Himalayan Institute of Medical Sciences (HIMS)** was established, it faced several challenges due to its rural location:
- **Recruitment Issues:** It was difficult to attract highly qualified faculty to the region.
- **Teaching Quality:** There was a need to improve teaching methods to engage students effectively. To address these challenges, the founder emphasized training teachers to adopt **innovative and student-centered approaches** in medical education.

The Practice

- Initial Training Initiatives (1998–1999):
- Two faculty members from HIMS were trained at **Maulana Azad Medical College**, Delhi, in a Training-of-Teachers program.
- Workshops on teaching methodologies were conducted by **AIIMS Delhi** in 1999, followed by leadership workshops organized by **Manipal University**.
- A core team of 10 trained faculty members emerged, some of whom became **FAIMER fellows** and pursued advanced





Establishment of Regional Center (2014):

- With a strong internal training mechanism in place, HIMS began conducting regular workshops for its faculty.
- In recognition of its efforts, the **Medical Council of India** (**MCI**) designated HIMS as a **Regional Center for Medical Education**, responsible for training faculty from **17 medical colleges** in Northern India.
- Faculty Development Programs (FDPs):
- Conducted Basic Course Workshops in Medical Education (BCME) and Curriculum Implementation Support Programs (CISP).
- Focused on themes like teaching strategies, assessment techniques, and personal development to help faculty become more effective educators.
- Created **master trainers** who conducted FDPs for their institutions and the 17 allocated colleges.

Adaptation During COVID-19:

- Transitioned to **online and hybrid training** modes, enabling continued faculty development despite restrictions.
- Launched workshops to facilitate the **implementation of the competency-based curriculum** across allocated colleges.
- Played a proactive role in ensuring teaching quality through virtual training and monitoring systems.

National Conference for Allied Healthcare Professionals (2022):

- Organized Uttarakhand's first National Conference for Allied Healthcare Professionals in collaboration with FAIMER Institute (Philadelphia) and the Association of Health Profession Educators, India.
- The event included **24 workshops** and a two-day hybrid conference, bringing together national and international experts in medical education.

Comprehensive Approach to Training:

- Regular programs were designed to cater to the needs of undergraduate and postgraduate students, faculty, and healthcare professionals.
- Focused on both technical skills and ethical principles, ensuring holistic development.

Evidence of Practice

- In the last five years, the **Regional Centre** has conducted **272 programs** benefiting **28,779** participants, as follows:
- **39 FDPs/Workshops:** Trained 997 faculty members through programs like BCME, AETCOM, and CISP.





- 218 CME Sessions/Guest Lectures: Reached 26,146 participants, enhancing clinical and teaching expertise.
- **5 Postgraduate Refresher Courses:** Benefited 443 postgraduate medical students.
- **10 Orientation Programs:** Supported 1,193 undergraduate and postgraduate students in adapting to academic and clinical environments.

Outcomes

• Enhanced Teaching Standards:

- Faculty across 17 medical colleges in Northern India now employ innovative teaching and assessment techniques.
- Students benefit from a more engaging and effective learning environment.

• Successful Transition to Digital Learning:

- Enabled smooth adoption of online and hybrid teaching methods during the COVID-19 pandemic.
- Supported competency-based curriculum implementation across all affiliated colleges.

Recognition and Networking:

o The 2022 National Conference provided a platform for collaboration with international institutions and experts, reinforcing HIMS's leadership in medical education.

• Scalable Impact:

The success of the Regional Centre model has encouraged plans to extend similar training to allied health sciences, engineering, and management disciplines.

Challenges & Resources Required

• Resource Person Shortage:

Trained internal faculty with a passion for medical education, providing advanced training and FAIMER fellowships to address the shortage.

• Adapting to COVID-19:

o Developed online teaching and assessment capabilities despite initial system limitations.

Future Aspirations

- Expand the Regional Centre's successful model to other academic units, including allied health sciences, engineering, and management.
- Aspire to achieve **Nodal Center** status, furthering its reach and impact in medical education.





Key Learnings

- This initiative demonstrates the transformative power of a focused vision and sustained efforts. From
 overcoming faculty recruitment challenges to becoming a recognized Regional Center, SRHU's
 journey highlights how institutions can achieve excellence by investing in faculty development and
 embracing innovation.
- By sharing its experiences and best practices, SRHU continues to inspire other institutions to replicate its model, fostering widespread improvement in medical education across the country.

Financial and Technical Support for Development

- Resource Mobilization: SRHU actively secures funding for its sustainable development initiatives through:
 - o Collaborations with government bodies and NGOs.
 - List of government bodies: Link
 - O List of non -governmental bodies: Link
 - o Partnerships with industries to sponsor research and development.
- Technical Expertise Sharing: The University provides its technical expertise to partner institutions and communities in areas such as:
 - o Healthcare system development.
 - o Sustainable infrastructure planning.
 - o Data-driven decision-making processes.

Promotion of Policy Coherence

Alignment with SDG 17 Objectives: SRHU ensures that its internal policies and strategies are aligned with global SDG 17 objectives, enabling:

- Integration of development goals into academic and operational frameworks.
- Link