



# Report

## National Workshop on

### Women's Empowerment in Uttarakhand Through Science and Technology

29<sup>th</sup> -30<sup>th</sup> March 2024

*Sponsored by*

**Indian National Science Academy India (NASI)**

*Jointly organised by*

**Indian National Science Academy India (NASI), UK  
Chapter, Dehradun**

**&**

**Swami Rama Himalayan University, Jolly Grant,  
Dehradun, Uttarakhand**

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## **1. About The National Academy of Sciences (NASI)**

### **Prayagraj, UP, India**

**An Introduction and Evolution:** The National Academy of Sciences, India (initially called “The Academy of Sciences of United Provinces of Agra and Oudh”) was founded in the year 1930, with the objectives to provide a national forum for the publication of research work carried out by Indian scientists and to provide opportunities for exchange of views among them.

The Memorandum of Association was signed by seven distinguished and patriotic scientists namely Prof. Meghnad Saha, Prof. K.N. Bahl, Prof. D.R. Bhattacharya, Prof. P.C. MacMohan, Prof. A.C. Banerji, Prof. Ch. Wali Mohammad and Prof. N.R. Dhar. Of these, the Academy had the good fortune of having the continued association of Prof. N.R. Dhar until very lately when he expired on December 5, 1986 at the age of 96 years. Apart from being one of the founders of the Academy and taking continued interest in its welfare, Prof. Dhar also donated the piece of land on which the Academy building stands today.

The Academy undertakes several “science-society” programs under the guidance of its President, Past Presidents and Fellows. The Academy while starting with 57 ordinary Members and 19 Fellows, has now 1944 Members and 1959 Fellows from all parts of the country; including 15 Honorary Fellows and 113 Foreign Fellows from various disciplines of Science and Technology. The Academy is financially supported by the Department of Science & Technology, Ministry of Science & Technology, Govt. of India; and it is also recognized as the Scientific and Industrial Research Organisation by the DSIR, Govt. of India. The detailed reports of NASI are sent to the DST and also available on the website of NASI- [www.nasi.nic.in](http://www.nasi.nic.in)

**NASI envisions the cultivation and promotion of Science & Technology in all its branches through:**

- (a) promoting scientific and technological research related to the problems of societal welfare;

- (b) publication of proceedings, journals, memoirs, transactions and other works as may be considered desirable;
- (c) organising meetings and hold discussions on scientific and technological problems;
- (d) undertaking, through properly constituted committees and bodies, the scientific work(s) of technological or public importance.
- (e) co-operating with other organizations in India and abroad, having similar objects, and to appoint representatives of the Academy to act on national and international bodies;
- (f) securing and managing funds and endowments for the promotion of science and technology;
- (g) organising a Science Library;
- (h) performing all other acts, matters and things that may assist in, conduce to, or be necessary for the fulfilment of the above mentioned aims and objects of the Academy;
- (i) creating an adequate impact of the Academy all over the country, by opening Chapters of the Academy in other cities in the country, where reasonable number of Fellows and Members are available.

**Important Highlights of Major Programmes/Activities (in past few years):**

1. Publications
2. Science Education/Communication Activities:
3. Activities under Joint Women Panel of three National Science Academies:
4. Research Projects being undertaken by the NASI-Chairs & Senior Scientists:
5. S&T Entrepreneurship development
6. Activities under Scheduled Tribe Sub-Plan Programmes:
7. Annual Session/Symposia/Seminars & Scientific Discussions
8. Fellowship / Membership
9. Science Education Programmes in joint collaboration with National Science Academies

**Elected Officers and Members of the Council for the year 2023**

**President**

- Prof. Balram Bhargava, MBBS, MD, DM, FNASc, FACC, FAHA, FAMS, Former Secretary, GoI, Department of Health Research & DG, ICMR; Professor of cardiology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi – 211029

### **Past Presidents**

- Prof. Ajoy Kumar Ghatak, PhD(Cornell), FNASc, Formerly MN Saha Distinguished Chair Professor, NASI, Prayagraj; Formerly Professor of Physics at IIT Delhi; Res. D-42, Hauz Khas, New Delhi-110016
- Prof. Manju Sharma, PhD, FNASc, FNAAS, FTWAS, FIAWS, Former Secretary, DBT, GoI; NASI-DST Distinguished Woman Scientist Chair Professor, B9/6476 (FF), Vasant Kunj, New Delhi-110070

## **2. National Academy of Sciences (NASI -UK Chapter)**

Uttarakhand is the youngest member among the metro chapters. Uttarakhand Chapter came into being in the last quarter of 2006 with an aim to co-ordinate the activities of NASI, Allahabad in the newly formed state of Uttarakhand.

The Uttarakhand Chapter of NASI, with its founder Chairman, Prof A.N. Purohit was formally inaugurated on October 12, 2006 at Uttaranchal Institute of Technology, Premnagar, Dehradun by Prof M.G.K. Menon, India's most renowned scientist. Other dignitaries who graced the occasion were Prof. P.N. Tandon, Former Director, AIIMS, Dr. V.P. Sharma, Dr. (Mrs.) Manju Sharma, a large number of scientists and academicians in the state. In recent years the chapter has observed change in office bearers with Dr. B.R. Arora, Ex-Director Wadia Institute of Himalayan Geology succeeding Prof. A.N. Purohit, Former Vice Chancellor, HNB Garhwal University as new Chairman of the chapter and Dr. Rajendra Dobhal, Director General Uttarakhand State Council for Science & Technology, Dehradun took over the charge of Secretary, UK chapter from Dr. G.S. Rawat, Scientist-G, Wildlife Institute of India, Dehradun on 09 Aug 2011. Meanwhile, Prof. A.N. Purohit is continuing to guide the chapter by being the Advisor of the chapter. Since then the chapter has organized many Science popularization activities. The UK Chapter, in close collaboration with the UCOST aims at achieving the National Academy's mandate and hopes to achieve the following objectives:

- Promote science education in Uttarakhand
- Provide a forum for the fellows and members of the NASI for fruitful interactions in the field of Science & Technology
- Act as a link between the leading /renowned national/international scientists and the science teachers and students in the state of Uttarakhand.



*Inauguration of Uttarakhand Chapter, NASI*

### **3. National Workshop on Women's Empowerment in Uttarakhand through Science & Technology**

**Venue**      **New Seminar Hall, Himalayan Institute of Medical Sciences (HIMS), Swami Rama Himalayan University (SRHU), Jolly Grant, Dehradun (Uttarakhand)**

**Dates**      **29<sup>th</sup> – 30<sup>th</sup> March, 2024**

#### **1. Introduction:**

The state of Uttarakhand, nestled in the Himalayan foothills of northern India, boasts a rich cultural heritage and breathtaking natural landscapes. However, like many regions across the globe, it grapples with persistent challenges related to gender equality and women's empowerment. Despite strides made in various sectors, including education and healthcare, gender disparities persist, particularly in fields like science, technology, engineering, and mathematics (STEM). Recognizing the pivotal role of women in driving societal progress and the untapped potential of STEM fields, there was a pressing need to address these disparities and empower women in Uttarakhand.

The workshop, "Women's Empowerment in Uttarakhand Through Science and Technology," emerges as a proactive response to these challenges. Hosted by Swami Ram Himalayan University (SRHU), located in Jolly Grant, Dehradun, this workshop sought to harness the transformative power of science and technology to advance gender equality and foster regional development in Uttarakhand. By focusing on empowering women in STEM, the workshop aimed to create a more inclusive and equitable society where women have equal opportunities to contribute to and benefit from advancements in science and technology.

At its core, this workshop acknowledged the multifaceted nature of women's empowerment. It goes beyond mere access to education or economic opportunities and delves into the realms of social and cultural transformation. By empowering women in STEM, it aimed to challenge traditional gender roles and stereotypes, promote women's leadership and decision-making roles, and ultimately contribute to a more just and equitable society.

Moreover, the workshop recognizes the intrinsic connection between gender equality and sustainable development. Studies have shown that empowering women, particularly in STEM fields, could have ripple effects across various sectors, leading to improved health outcomes, economic growth, and environmental sustainability. Therefore, by investing in women's empowerment in Uttarakhand, we not only uphold principles of justice and equality but also lay the foundation for a more prosperous and sustainable future for the entire region.

In alignment with the vision of the Indian National Science Academy (NASI), the primary funding organization for this workshop, the initiative sought to promote scientific temper and foster scientific research and innovation for societal benefit. By focusing specifically on women's empowerment in STEM, the workshop aligns with NASI's broader mission of leveraging science and technology for inclusive and sustainable development.

In summary, the significant of women's empowerment in Uttarakhand through transformative potential of science and technology had much potential to promoted gender equality, fostering regional development, and creating a more inclusive and equitable society through targeted interventions in STEM education and careers for women.

## **2. Outcomes of the workshop:**

Following are the outcome of the workshop:-

- a. Raised awareness about the importance of women's participation in science and technology.
- b. Facilitated networking opportunities for women in Uttarakhand interested in STEM fields.
- c. Discussed strategies and best practices for promoting women's empowerment in STEM and addressing gender disparities.
- d. Encouraged collaboration between academia, industry, and government organizations to support women in STEM

### **3.1 Programme Schedule**

<b>Programme Day 1</b>			
<b>29/03/24 (Friday)</b>			
8.30-9.30	Registration with Tea/ Snacks		
	<b>Inaugural Function</b>		
9.30-9.40	Lighting of Lamp & Guru Vandana	SRHU Students	
9.40-9.50	Welcome Address	Dr Rajendra Dobhal, Chairman, NASI, Uttarakhand Chapter & Vice-Chancellor, SRHU, Dehradun	
9.50-10.00	About Genesis of the Programme & Address by Special Guest	Prof. Paramjit Khurana, J.C. Bose National Fellow, Department of Plant Molecular Biology, Delhi University, South Campus, Delhi	
10.00-10.10	Address by Guest of Honor	Prof. V.D. Chauhan, Director General, Academic Development, SRHU	
10.10-10.40	Address by Chief Guest	Dr Manju Sharma, Former Secretary, Department of Bio-Technology, Govt of India, New Delhi and Former Chairman, NASI	
<b>10.40-10.55</b>	Presidential Address	Dr. Vijay Dhasmana, President, SRHU, Dehradun	
<b>10.55-11.00</b>	Vote of Thanks	Dr Bindu Dey, Director Research, SRHU, Dehradun	
<b>11.00-11.30</b>	High Tea		
<b>11.30- 1.35</b>	<b>Technical Session-1</b>		
	Chair	Dr Abha Srivastava, HOD, Physiology, HIMS, SRHU	
	Co-Chair	Prof. Ruchi Juyal, Community Medicine, HIMS, SRHU	
	Rapporteur	Dr Anupama Mishra, HSST, SRHU	
	<b>Priority Area</b>	<b>Topic of Invited Lecture</b>	<b>Speaker's Name &amp; Affiliation</b>
<b>11.30-11.55</b>	Agriculture	Women's Contribution: Circular Economy through Biotechnology	Prof. Subhra Chakraborty, Director, National Institute of Plant Genome Research, JNU Campus, New Delhi

11.55-12.20	Agriculture	Role of Women in Agricultural Enterprises	Dr Paramjit Khurana, J.C. Bose National Fellow, Department of Plant Molecular Biology, Delhi University, South Campus, Delhi
12.20-12.45	Health	Integrated Systems for Women's Health	Dr Renu Dhasmana, Vice Principal, HIMS & HOD, Ophthalmology, SRHU
12.45-13.10	Health	Women Cancers: Tools for Early Diagnosis	Prof. Meenu Gupta, Cancer Research Institute, SRHU
13.10-13.35	AI & IT	AI & IOT in Women's Healthcare	Dr Durga Toshniwal, Indian Institute of Technology, Roorkee
13.35-14.30	<b>LUNCH BREAK</b>		

14.30-15.45	<b>Technical Session-2</b>		
	<b>Chair</b>	Prof. Ranjana Pathania, DSBE, IIT, Roorkee	
	<b>Co-chair</b>	Dr Geeta Rana, HSMS, SRHU	
	<b>Rapporteur</b>	Dr. Nupur Joshi, HSBS, SRHU	
	<b>Priority Area</b>	<b>Topic of Invited Lecture</b>	<b>Speaker's Name &amp; Affiliation</b>
14.30-14.55	Human Resource	Skilled Workforce: Tapping the potential of Women in STEM	Dr Pratibha Jolly, Science & Society Fellow, NASI; PI GATI, Former Principal, Miranda House, Delhi University, Delhi
14.55-15.20	Infrastructure	Star Colleges: Transforming Equations at UG/PG Level	Dr Garima Gupta, Scientist-F, Department of Biotechnology, Govt. of India, New Delhi
15.20-15.45	Infrastructure	Challenges in S & T Infrastructure: Moving towards translation	Dr Purnima Sharma, Managing Director, Biotechnology Consortium of India (BCIL), New Delhi
15.45-16.15	<b>TEA BREAK</b>		
16.15-17.05	<b>Technical Session-3</b>		
	<b>Chair</b>	Dr Sanchita Pugazhendi, Principal, HCN, SRHU	
	<b>Co-chair</b>	Dr Neha Sharma, Community Medicine, SRHU	

	<b>Rapporteur</b>	Dr Saloni Malik, HSYS, SRHU	
	<b>Priority Area</b>	<b>Topic of Invited Lecture</b>	<b>Speaker's Name &amp; Affiliation</b>
<b>16.15-16.40</b>	Health	Health Interventions Through High Tech R & D	Prof. Ranjana Pathania, Ph.D. DBT/Welcome-Trust India Alliance Senior Fellow, F.N.A.Sc., Department of Biosciences and Bioengineering, Indian Institute of Technology (IIT), Roorkee
<b>16.40-17.05</b>	Water	Cost Effective Defluoridation Technology for Rural & Urban Women	Dr Suphiya Khan, Deputy Director, Shriram Institute for Industrial Research, Gurugram
<b>17.05-17.15</b>	<b>TEA</b>		
<b>19.00 onwards</b>	<b>NETWORKING DINNER</b> (At Marty's Exotica Resort, Haridwar Road, Dehradun)		

<b>Programme Day 2</b> <b>30/03/24 (Saturday)</b>			
<b>8.30-9.30</b>	<b>Tea/ Snacks</b>		
<b>9.30 -10.30</b>	<b>Special Session for Women</b>		
<b>9.30-10.00</b>	Yoga Demonstration for Women	Dr. Somlata Jha, HSYS, SRHU	
<b>10.00-10.30</b>	Ways to Tackle Women Harassment at Work Place	Ms. Soumya Baniwal, SRHU	
<b>10.30-11.45</b>	<b>Technical Session-4</b>		
	<b>Chair</b>	Dr. Deepa Singh, HOD, D/o Anatomy, HIMS, SRHU	
	<b>Co-chair</b>	Dr. Malini Shrivastava, D/o Psychology, HIMS, SRHU	
	<b>Rapporteur</b>	Dr Archana Dhasmana, HSBS, SRHU	
<b>Time</b>	<b>Priority Area</b>	<b>Topic of Invited Lecture</b>	<b>Speaker's Name &amp; Affiliation</b>
<b>10.30-10.55</b>	S & T for Community	Women's Health in the Community	Prof Ruchi Juyal, Community Medicine, HIMS, SRHU
<b>10.55-11.20</b>	Integration of S & T tools	Integration of Management tools in Enterprise Development for Women	Prof Shweta Sethi, Himalayan School of Management Studies, SRHU

<b>11.20-11.45</b>	Women's Health	Mental Disorders	Prof Manjari Tripathi, HoD, Neurology, AIIMS, New Delhi
<b>11.45-12.15</b>	<b>TEA BREAK</b>		
<b>12.15-13.30</b>	<b>Technical Session-5</b>		
	<b>Panel Discussion: Women's Empowerment through S &amp; T</b>		
	<b>Chairman</b>	Dr Bindu Dey, Director Research, SRHU	
	<b>Co-chair</b>	Dr Nikku Yadav, Co-opted Member, NASI Uttarakhand Chapter, Dehradun, SRHU	
	<b>Rapporteur</b>	Dr. Purandhi Roopmani, HSBS, SRHU	
	<b>Panelists (Names &amp; Affiliation)</b>	Prof Paramjit Khurana, Fellow NASI, Prof. DU, SC, Delhi	
		Prof Pratibha Jolly, Former, Principal, Miranda House, Delhi	
		Dr Purnima Sharma, Managing Director, BCIL, New Delhi	
Dr Garima Gupta, Scientist-F, DBT, New Delhi			
Prof. Renu Dhasmana, Vice-Principal, HIMS, SRHU			
Prof. Meenu Gupta, Cancer Research Institute (CRI), SRHU			
<b>13.30-14.30</b>	<b>LUNCH BREAK</b>		
14.30-16.30	Valedictory Function		
14.30-15.00	Cultural Programme	SRHU Students	
15.00-15.15	Report & Recommendations of the Workshop for Women Empowerment in Uttarakhand using S & T Tools	Dr Manju Sharma, Former Secretary, DBT, GoI & Former Chairman, NASI	
15.15-15.30	Concluding Remarks	Dr Rajendra Dobhal, Chairman, NASI, Uttarakhand Chapter & VC, SRHU	
15.30-15.45	Address by Dr Santosh Kumar Executive Secretary NASI	Dr Santosh Kumar Executive Secretary NASI	
15.45-15.50	Vote of Thanks	Dr Bindu Dey, Director Research, SRHU	
15.50-16.30	Tea/ Snacks & Certificate Distribution		

### 3.2 List of Eminent Speakers

S. No.	Profile of Women Scientists	Affiliations
1.	Dr.(Mrs.) Manju Sharma	<ul style="list-style-type: none"> <li>• Padma Bhushan</li> <li>• Former Secretary Govt. of India, Department of Biotechnology</li> <li>• Chairman, New Initiative NASI, Allahabad</li> </ul>
2.	Prof. Paramjit Khurana	<ul style="list-style-type: none"> <li>• J.C. Bose National Fellow, NASI Fellow</li> <li>• Department of Plant Molecular Biology, Delhi University, South Campus</li> </ul>
3.	Dr. Pratibha Jolly	<ul style="list-style-type: none"> <li>• Science &amp; Society Fellow, NASI</li> <li>• PI GATI</li> <li>• Former Principal, Miranda House, Delhi University, Delhi</li> </ul>
4.	Dr. Durga Toshniwal	<ul style="list-style-type: none"> <li>• IIT Roorkee</li> </ul>
5.	Prof. Ranjana Pathania	<ul style="list-style-type: none"> <li>• FNASc</li> <li>• Department of Biosciences and Bioengineering, IIT Roorkee</li> </ul>
6.	Dr. Garima Gupta	<ul style="list-style-type: none"> <li>• Scientist (F), Department of Biotechnology, Government of India, New Delhi</li> </ul>
7	Dr. Purnima Sharma	<ul style="list-style-type: none"> <li>• Managing Director, Biotechnology Consortium of India (BCIL), New Delhi</li> </ul>
8	Dr. Suphiya Khan	<ul style="list-style-type: none"> <li>• Deputy Director, Shri Ram Institute For Industrial Research, Gurugram</li> </ul>
9	Dr. Manjari Tripathi	<ul style="list-style-type: none"> <li>• HOD, Neurology, AIIMS, New Delhi</li> </ul>

## Photographs of the Inauguration Session







### 3.3 DAY-1, 29<sup>th</sup> March 2024 (Friday)

#### Technical session 1: Presentation on Priority Areas

The technical session focused on addressing various elements of women's empowerment in the fields of health and agriculture. The session started with a talk by Dr Purnima Sharma stating the significance of translational science in academia. She addressed the concept of translation science, highlighting its function in connecting academic research with practical applications. Further emphasis was laid on the crucial role of technology-enabled centres (TECs) in promoting collaboration among different stakeholders in the field of bio design and global innovation ecosystems. She discussed the difficulties encountered by academia in developing strong scientific and technology infrastructure and stressed the importance of working together to overcome obstacles and achieve significant progress in science and technology.



Following the initial session, the focus shifted to Dr Paramjit Khurana who addressed the involvement of women in agricultural businesses. She offered valuable perspectives on the historical development of agriculture and the growing trend of women's involvement in the

field. She emphasized the substantial contributions that women have made to agricultural companies globally and described programs like the National Research Centre for Women in Agriculture (NRCWA), which aims to promote gender-sensitive decision-making in agriculture. She underscored the significance of empowering women in diverse agricultural sectors and customizing farm technologies to address their individual requirements, hence improving production and sustainability.



Next Dr Renu Dhasmana gave an insightful talk on empowering women in holistic health and promoting gender equality in healthcare. She underscored the significance of gender equality in tackling differences in maternal mortality and morbidity rates and encouraged for women to engage in self-care techniques to enhance their physical and mental well-being. The concept of three Gunas—Sativik, Rajas, and Tamsik—in traditional holistic health systems and fusion of traditional treatments with modern technologies and technological breakthroughs was discussed. She emphasized on the significance of implementing a holistic approach to women's health that considers the physical, mental, and emotional dimensions.



The last speaker of the session Dr Durga Toshniwal discussed the utilization of Artificial Intelligence (AI) and Internet of Things (IoT) in women's healthcare. Her presentation focused on how technology advancements may meet healthcare requirements and enhance the capabilities of women. The intersections of AI and IoT with health research, specifically focusing on illness diagnostics, imaging analysis, fertility and reproductive health, and pregnancy and maternal health were thoroughly talked about.



## **Technical session 2: Local needs of the population- Skilled manpower and Infrastructure**

The session offered a comprehensive examination of tactics to enhance the influence and autonomy of women in several fields, encompassing areas such as healthcare, medicine, science, and technology.

The first session by Dr Suphiya Khan focused on development and implementation of cost-effective defluoridation technique tailored exclusively for rural and urban areas. She provided a comprehensive analysis of the development of defluoridation methods, highlighting the importance of connecting scientific research with real-world implementation. She identified major shortcomings in current methods, namely in treating the widespread occurrence of dental and skeletal fluorosis in many communities. She presented a novel technique that involves using nanorods outfitted with nano sensors to improve the effectiveness of fluoride removal.

Dr Menu Gupta discussed strategies for the early identification women's cancer, with a particular focus on cervical cancer. She commenced by delineating the globally sanctioned approach recognized by the World Health Organization (WHO) with the objective of eliminating cervical cancer by the year 2030. This strategy primarily focuses on vaccination, routine screening, and prompt medical intervention. She highlighted the concerning death rates associated with cervical cancer in India, emphasizing the immediate need to put in place effective measures for prevention and early detection. In addition, she emphasized on the significance of public awareness campaigns and equal access to healthcare services to guarantee the universal acceptance of preventative measures and prompt interventions.

The session ended with a talk by Dr Pratibha Jolly who discussed the importance of enabling women in STEM disciplines and promoting gender diversity in the workplace. Utilizing her own experiences, she provided valuable perspectives on the difficulties and opportunities faced by women in the fields of science and technology. She stressed the significance of establishing gender-sensitive and adaptable work environments to promote the progress of women in STEM professions. She advocated the skill development, engagement in the economy, and involvement in disruptive technology to equip women for the changing work environment. In addition, she emphasized the significant impact that both formal and non-formal education can have on empowering women worldwide.

### Technical session 3: Integration of S & T tools into Community

The technical session focussed on providing comprehensive information into advancements in education and health, addressing critical issues and highlighting initiatives aimed at driving positive change.

Dr Garima Gupta provided valuable insights into initiatives aimed at transforming undergraduate and postgraduate education in India, particularly through the Star Colleges program. She outlined the support provided by the HRD Division to researchers in India, including funding opportunities, training programs, and career development initiatives. The Star College Program, Builder Program, and the recent launch of the Sahaj and Common Fellowship Portal were highlighted as key initiatives to enhance the quality of education and research opportunities.



Dr Ranjana Pathania's presentation shed light on the growing threat of antimicrobial resistance (AMR), emphasizing the alarming rise of antibiotic resistance and its potential implications. She discussed the emergence of particularly concerning drug-resistant bacteria known as ESKAPE pathogens and addressed the limited discovery of new antibiotics. Specific attention was given to the rampant antibiotic use in the poultry industry, highlighting its contribution to the spread of antibiotic resistance.

### 3.4 DAY-2, 30<sup>th</sup> March 2024 (Saturday)

#### Technical session 4: Integration of S & T tools into Community

The technical session provided valuable insights into empowering women's health and well-being, addressing key issues ranging from physical health concerns to mental health challenges and enterprise development.

The session began with an insightful talk by Dr Ruchi Juyal who emphasized on the critical need to prioritize women's health within the community, particularly in the Indian context. She emphasized the tendency of women to overlook their own well-being while fulfilling familial obligations and emphasized the significance of establishing trust and offering accessible solutions for the mental and physical health challenges that women encounter. She addressed impact of educating women, which leads to increased life expectancy and improved gender ratios. In addition, she discussed a range of socio-economic variables that impact women's health, including cultural norms, societal stigmas, and gender bias. Maternal reproductive health, non-communicable diseases, and mental health issues were identified as prevalent concerns, underscoring the importance of empowering women to empower society.



Next, Dr Shweta Sethi in her talk highlighted the obstacles encountered by women in the business industry, such as societal and gender prejudices, insufficient financial resources, and limited market expertise. She emphasized the significance of fostering a supportive work atmosphere by conducting training sessions, workshops, and seminars focused on time management. She also highlighted the significance of diversity and inclusion initiatives, such as the Diversity, Equity, Inclusion, and Equality (DEIE) programs implemented by firms like KPMG. These programs aim to improve the overall work experience and performance of female employees. In addition, she recognized the importance of networking and mentoring platforms, such as those offered by Amazon, to support women's entrepreneurship.

The session concluded with a talk by Dr Manjari Tripathi who discussed the frequently ignored matter of mental health, highlighting the significance of increasing awareness of negative emotions and their influence on mental well-being, especially among women. She emphasized the correlation between the accumulation of unpleasant emotions and the development of acute and chronic mental diseases, which are further intensified by society and familial constraints. Dr Tripathi emphasized the importance of yoga as a therapeutic approach for mental well-being. She recognized post-partum negative feelings, workplace negligence, and mental harassment as major factors that contribute to anxiety, despair, and suicidal tendencies in women. She emphasized the immediate necessity of resolving these challenges to avert more societal consequences and loss of life.



## Technical Session 5 Panel Discussion: Women's Empowerment in Uttarakhand through Science and Technology



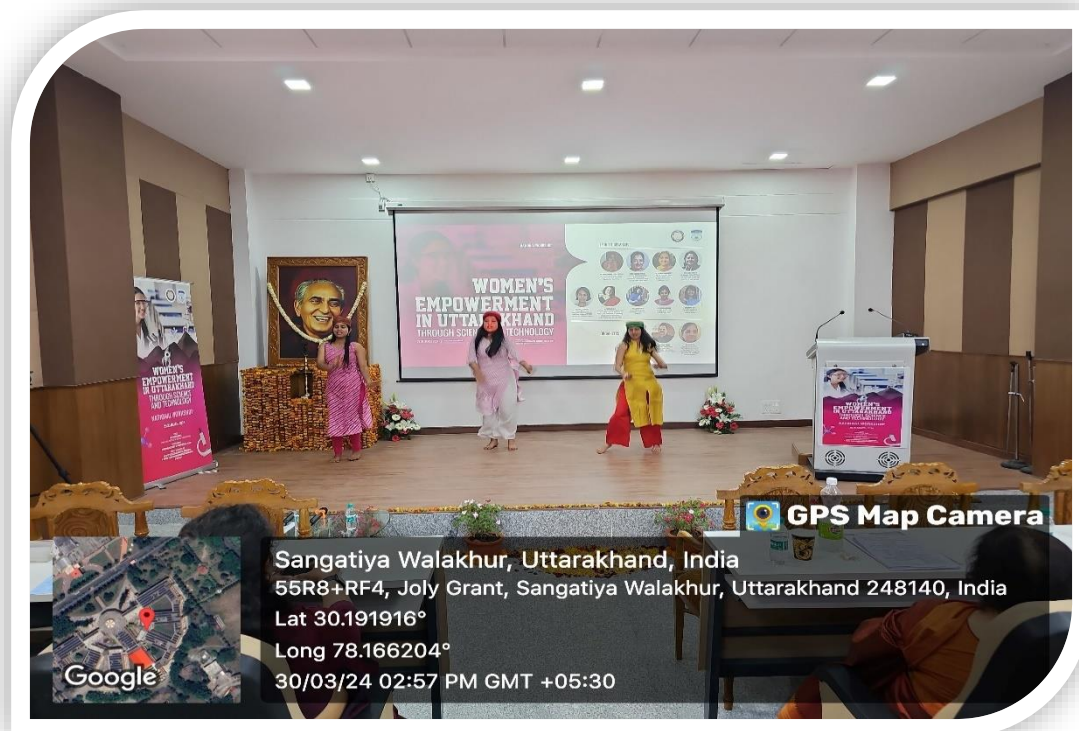
### 3.5 Recommendation from Technical sessions

Following the end of all technical sessions, a panel discussion ensued, yielding specific recommendations for further action which were following:

- Embarking on targeted initiatives tailored to the geographical distinctiveness of regions.
- Setting forth a definitive trajectory and enhancing the prominence of the university's mission.
- Recurrent contests and gatherings to foster brand recognition and community engagement.
- Stimulating faculty engagement in external undertakings and endeavours.
- Advocating for breast cancer awareness to counteract societal taboos.
- Mapping out tailored interventions to uplift rural women, addressing their unique circumstances and obstacles.

## Valedictory:

Subsequently, Dr. Rajendra Dobhal, the Vice Chancellor of SRHU, underscored the institution's proactive stance in advancing research endeavours, highlighting the allocation of dedicated funds for research purposes. Dr. Santosh Kumar then elaborated on the National Academy of Sciences, India (NASI), elucidating its inception and the breadth of its work within the domains of science and technology. With these enlightening discussions, the workshop drew to a successful close, marked by its achievements and contributions.





Sangatiya Walakhur, Uttarakhand, India  
55R8+RF4, Joly Grant, Sangatiya Walakhur, Uttarakhand 248140, India  
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Long 78.166086°  
30/03/24 03:14 PM GMT +05:30



Sangatiya Walakhur, Uttarakhand, India  
55R8+RF4, Joly Grant, Sangatiya Walakhur, Uttarakhand 248140, India  
Lat 30.191972°  
Long 78.166207°  
30/03/24 03:25 PM GMT +05:30

### 3.6 List of Participants

**“National Workshop on  
Women’s Empowerment in Uttarakhand through Science & Technology”**

Sponsored by:



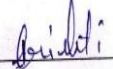
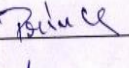
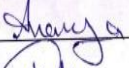

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Swami Rama Himalayan University (SRHU), Jolly Grant, Dehradun (Uttarakhand)

Dates: 29<sup>th</sup> – 30<sup>th</sup> March, 2024

Registration

S. NO	Name of Participants	Organization	Signature
1	Shalu Rajput	B.M.PL	
2	Soumya Banerjee	CI	
3	Srishti Thakuri	M.Sc. Yoga II year	
4	Porince Dubey	B.Sc. Yoga III year	
5	Ananya Sharma	B.Sc. Yoga III year	
6	Nidhi	B.Sc. Yoga II year	

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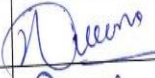

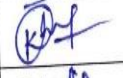
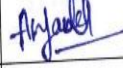
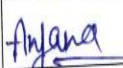





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Dates: 29<sup>th</sup> - 30<sup>th</sup> March, 2024

**Registration**

S. NO	Name of Participants	Organization	Signature
1.	Dr. Nehe Venne	AP, Community Medicine	
2.	Drishti Maithani	D.A.V. (P.G.) College, Dehradun	
3.	Kanchan semwal	DA.V. (P.G.) College, Dehradun	
4.	Anjali uniyal	DA.V. (P.G.) College, Dehradun	
5.	Anjana Negi	D.A.V. (P.G.) College, Dehradun	
6.	Nidhi Singh	D.A.V. (P.G.) College, Dehradun	
7.	Priya Negi	D.A.V. (P.G.) College, Dehradun	
8.	Bhumika Bisht	DA.V. (P.G.) College, Dehradun.	
9.	Aditi Saha	AIIMS Rishikesh	
10.	Nirmala.B	AIIMS Rishikesh	

Participants

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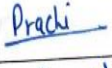

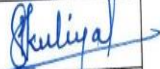


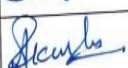
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Dates: 29<sup>th</sup> - 30<sup>th</sup> March, 2024

**Registration**

S. NO	Name of Participants	Organization	Signature
11.	Akanksha Chughal	HIMS, SRHU	
12.	Amruth	HIMS, SRHU	
13.	Rishendra Singh	D.A.V. College Dehradun	
14.	Sadhna	P.G. Rishikesh	
15.	Prachi Thapliyal	PG College Rishikesh	
16.	Divyanshi Sharma	SDSU Rishikesh Campus	
17.	Pooja Kalyal	SDSUV Rishikesh Campus	
18.	Saloni	SDSUV Rishikesh Campus	
19.	Swati	Pt. L.M.S Campus Rishikesh.	
20.	AKansha	Pt. L.M.S. Campus Rishikesh	

Participant

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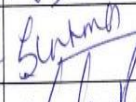
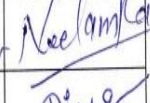



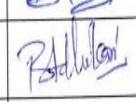
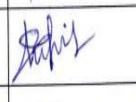


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Dates: 29<sup>th</sup> - 30<sup>th</sup> March, 2024

**Registration**

S. NO	Name of Participants	Organization	Signature
1.	Dr. Aruna Deware	Uttarakhand Space Applications Centre	
2.	Dr. Sudama Gaurda	Uttarakhand Space Applications Centre	
3.	Dr. Neelam Kumar	Uttarakhand Space Applications Centre	
4.	Dr. Divya Uniyal	Uttarakhand Space Applications Centre	
5.	Dr. Anupama Mishra	H'SST,	
6.	Neelam Dan	H'SST	
7.	Shivani Sharma	H'SST, SRHU	
8.	Bhawana Adhikari	AIIMS Rishikesh	
9.	Shikha Chauhan	AIIMS Rishikesh	
10.	Kavya Sree	AIIMS Rishikesh	

Participants

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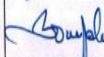


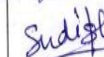


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Dates: 29<sup>th</sup> - 30<sup>th</sup> March, 2024

**Registration**

S. NO	Name of Participants	Organization	Signature
1	Nidhi	S.R.H.U. B.Sc Yoga	
2	Srishti	S.R.H.U. M.Sc. Yoga	
3	Ananya	S.R.H.U. B.Sc Yoga	
4	Kaatikey	SRHU B.Sc Yoga	
5	Prince	SRHU B.Sc Yoga	
<del>6</del>	<del>Dr. Kusuma Godiyal</del>	<del>SRHU Medical Anatomy</del>	<del></del>
6	Judiksha Anya	SRHU B.Sc Biotech	
7	Dr. Manju Sunejyal	USERC, Dehradun	
8	Dr. Bhavtosh Sharma	USERC, Dehradun	

Participant

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**Registration**

S. NO	Name of Participants	Organization	Signature
1	Shivani Bagiyal	Pt. LMS Rishikesh	Shivani
2	Sandhya	MIT Dhalwala	Sandhya
3	Rishmi Bisht	MIT Dhalwala	Rishmi
4	Sawanti	M.I.T. Dhalwala	Sawanti
5	Neha Ghildiyal	M.I.T. Dhalwala	Neha
6	Deepika	M.I.T. Dhalwala	Deepika
7	Reeta	M.I.T. Dhalwala	Reeta
8	Anita Verma	AIIMS Rishikesh	Anita
9	Sikha Morang	AIIMS Rishikesh	Sikha
10	Twinkle Dogra	AIIMS Rishikesh	Twinkle

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Dates: 29<sup>th</sup> – 30<sup>th</sup> March, 2024

**Registration**

S. NO	Name of Participants	Organization	Signature
1.	Chaiti Sharma	HSBS, SRHU	Chaiti Sharma
2.	Abhilekha Sati	HSBS, SRHU	Abhilekha Sati
3.	Abhinav Bahuguna	HIMS, SRHU	Abhinav Bahuguna
4.	Anshuya Prasad Jasti	HSBS, SRHU	Anshuya Prasad Jasti
5.	Astha Raturi	HSBS, SRHU	Astha Raturi

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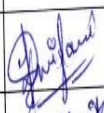
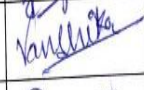
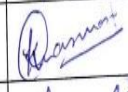
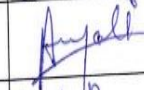
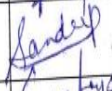
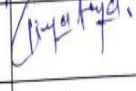
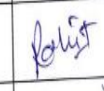
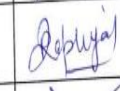

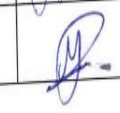
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Swami Rama Himalayan University (SRHU), Jolly Grant, Dehradun (Uttarakhand)

Dates: 29<sup>th</sup> - 30<sup>th</sup> March, 2024

**Registration**

Organizer .

(Student)

S. NO	Name of Participants	Organization	Signature
1.	Kanishka Miglani	HSBS, SRHU	
2.	Vanshika Rana	HSBS, SRHU	
3.	Khushi Dhasmana	HSBS, SRHU	
4.	Angali Mishra	HIMS, SRHU	
5.	Sandeep Rawat	HIMS, SRHU	
6.	Diya Anya	HSBS, SRHU	
7.	Rohit Panwar	HIMS, SRHU	
8.	Ruchika Thapliyal	HIMS, SRHU	
9.	Pratyush Kumar Sohan	HIMS, SRHU	
10.	Mayank Bahuguna	HSBS, SRHU	

Faculty

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


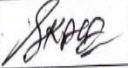





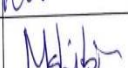
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**Registration**

S. NO	Name of Participants	Organization	Signature
1	Piyush Shyam	SRHU	
2.	Vaishali Gupta	SRHU	
3	Naresh Pratap Singh	SRHU	
4	Shasheel Kala	SRHU	
5.	Midha Yadav	SRHU	
6.	Dr. Ankit Sharma	MSYS (SRHU)	
7.	Lokesh Singh	SRHU	
8	Dr. Saloni Malik	MSYS	
9	Dr. Mahesh Kumar	Clinical Psy. HIMS	
10	Mahesh	Clinical Psy HIMS	

Faculty

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**Registration**

S. NO	Name of Participants	Organization	Signature
1.	Dr. Juki Kalra	Pharmacology HIMS SRHU	Juki
2.	Vandana Rawat	Biochemistry HIMS SRHU	Vandana
3.	Himanshu Bandyopadhyay	Biochemistry HIMS SRHU	Himanshu
4.	Kanchan Bisht	Chemistry Department Purdue University	Kanchan
5.	Mansi Kalsi	Biochemistry department	Mansi
6.	Amandeep	Biochemistry department	Amandeep
7.	Geet Bhandari	HSBS, SRHU	Geet
8.	Nupur Joshi	HSBS, SRHU	Nupur
9.	Archana Dhesman	HSBS, SRHU	Archana
10.	Nishu Yadav	HIMS, SRHU	Nishu

Faculty

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**Registration**

S. NO	Name of Participants	Organization	Signature
1	Alok Saklani	Adm for, SRHU	Alok
2.	Dr. Asha Chandola Saklani	SRHU	Asha
3	Dr. Koushalya Dangu	MIT Rishikesh	Dangu
4.	Dr. Shalini Rawat	DTLMS Campus, Rishikesh, SDSU	Rawat
5.	Dr. Madhvi Kaushik	MIT, Rishikesh	Madhvi
6.	Dr. Anita Pandey	MIT, Rishikesh	Anita
7	Neelam Pandey	RDI-HEHT	Pandey
8)	Dr. Nainey Barchwal	RDI-HEHT	Nainey
9.	Dr. Sumit Mittal	AIIMS, Rishikesh	Mittal
10.	Dr. Seema Madhok	CPACS, SRHU	Madhok

Faculty

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**Registration**

S. NO	Name of Participants	Organization	Signature
1	Dr. Rajew Brijalwan	Deputy Director	
2	Dr. Saradita Pureshendi	HCR, SRHU, Principal	
3	Dr. Sankata Jha	HSYS, SRHU	
4	Vinod Bahuguna	GM-ATWD	
5	Dr. Kanchan Bala	SRHU	
6	Dr. Grace M. Agt	SRHU	
7)	Naveed	SRHU	
8)	Ritu	SRHU	
9)	Amit	SRHU	
(10)	Ms. Pooja Tyagi	SRHU HST	



**Online Registration of the Participants National Workshop on  
Women's Empowerment in Uttarakhand Through Science and Technology  
29th -30th March 2024**

<b>Name of Participant</b>	<b>Designation</b>	<b>Subject/Discipline/ Area of work</b>	<b>Name and Address of the University/Institution/Organization</b>	<b>Email</b>	<b>Contact Number</b>
Dr. Grace Madonna Singh	Faculty	Mental Health Nursing	Swami Rama Himalayan University	gmadonnasingh@srhu.edu.in	+916394781672
Dr. Archna Dhasmana	Faculty	Biotechnology	Himalayan School of Biosciences, Swami Rama Himalayan University	archnadhasmana@srhu.edu.in	9536885390
BINDU DEY	Scientist	MEDICAL BIOTECHNOLOGY	SRHU JOLLY GRANT	director.research@srhu.edu.in	9910781264
Geeta Bhandari	Faculty	MICROBIOLOGY	SWAMI RAMA HIMALAYAN UNIVERSITY	geetabhandari@srhu.edu.in	8439020392
Dr nikku yadav	Faculty	Clinical reserch	Swami Rama Himalayan University	nikkuyadav@srhu.edu.in	09711197679
Sadhna	Others	Botany	Pt.l.m.s.sri dev Suman campus rishikesh	Sadhnanath39@gmail.com	8126572286
Saloni	Others	Botany	Pt. Lalit Mohan Sharma Sri dev suman university campus, Rishikesh	salonigairola1@gmail.com	9927248330
Pooja Kuliyal	Others	Botany	Pt. L	Pt. L.M.S SDSUV CAMPUS RISHIKESH	7895430524
Dr.Shalini Rawat	Faculty	Associate Professor Botany	Sri Dev Suman Uttarakhand State University	rawatshalini18041975@gmail.com	9411575844
Swati	PG Student	M.S.c 4th semester (botany)	PT. lalit mohan Sharma campus rishikesh	swatichandpuri@gmail.com	7217525973
Shivani Sharma	Others	Botany	Pt. Lalit Mohan Sharma Sri dev Suman campus Rishikesh	shivanisharmanege@gmail.com	9808311071
Alisha Joshi	PG Student	jalisha028@gmail.com	jalisha028@gmail.com	jalisha028@gmail.com	jalisha028@gmail.com
Sujata Raturi	PG Student	Msc botany	Sri Dev Suman Uttarakhand	Sujataraturi59@gmail.com	9548148291

			Vishwavidhalaya, Pt. Lait Mohan Sharma Campus Rishikesh		
Prachithapliyal	PG Student	Botany	Pg college rishikesh	prachithapliyal048@gmail.com	9759318426
Prof Dipa Sharma	Faculty	Mathematics	SDS Uttarakhand University Badshahithaul	dipa2014sharma@gmail.com	9412937353
Sapna Bharti	PG Student	Msc botany	PT L.M.S Campus Rishikesh	sapnabharti156@gmail.com	8755452513
DR MADHURI KAUSHISH LILY	Faculty	Biotechnology and Microbiology	DEPARTMENT OF SCIENCE, MODERN INSTITUTE OF TECHNOLOGY (MIT), DHALWALA, RISHIKESH, UTTARAKHAND	mklily18@gmail.com	9520241591
Aditi	PG Student	Msc 2nd sem( botany)	PT.L.M.S campus rishikesh	aditsemwal66@gmail.com	8445055811
Nupur joshi	Faculty	Biotechnology	Swami Rama Himalayan University	nupurjoshi@srhu.edu.in	7409446832
Shivani bagiyal	PG Student	Botany	Ptlms Sri Dev Suman campus Rishikesh Uttarakhand	shivanibagiyal8992@gmail.com	9761697107
Reetu Ramola	PG Student	M.Sc Biotechnology	Modern Institute of Technology Dhalwala Rishikesh	ritturamola052001@gmail.com	9027126376
Reshmi Bisht	PG Student	MSC.Biotechnology	Modern institute of technology Dhalwala Rishikesh	bishtreshmi580@gmail.com	9557436844
Rashi rawat	PG Student	MSC. Microbiology	Modern institute of technology dhalwala rishikesh	rashirawat2002@gmail.com	09557887042
Deepika	PG Student	Msc microbiology	Modern institute of technology dhalwala	ds9620796@gmail.com	7983937252
Neha Ghildiyal	PG Student	Biotechnology	MIT Dhalwala ,Rishikesh	nehaghildiyal333@gmail.com	8439185816
Sawanti	PG Student	Biotechnology	Modern institute of technology dhalwala	sawanti.nautiyal9@gmail.com	9099202405
Bhumika Bisht	PG Student	Zoology	DAV (PG) college dehradun	Bhumikabisht@gmail.com	9997080743

Priya Negi	PG Student	Zoology	D.A.V P.G. College Dehradun.	priyanshinegi2519@gmail.com	8273137266
NIDHI SINGH	PG Student	ZOOLOGY	D.A.V.(PG) College, Karanpur, Dehradun, Uttarakhand 248001	ns66049@gmail.com	7251839169
Sandhya	PG Student	Biotechnology	Modern institute dhalwala	sandhyanautiyal97@gmail.com	7060927659
Amisha Kaintura	PG Student	M. Sc Botany	Pt.L.M.S Campus Rishikesh, Sri Dev Suman Uttarakhand University	amishakaintura4@gmail.com	9520578202
Dr. Koushalya dangwal	Faculty	Biochemistry	Modern Institute of Technology, Rishikesh	Koushalyadangwal@gmail.com	8630038294
Manisha Naithani	Faculty	Biochemistry	AIIMS Rishikesh	Manisha.bchem@aiimsrishikesh.edu.in	8475000296
Yerroju kavya sree	Others	Ph.D	AIIMS rishikesh	yerrojukavyasree@gmail.com	8008487165
Anita Verma	Others	PhD Scholar	AIIMS Rishikesh	anita.v.9@gmail.com	9997454915
Bhawana Adhikari	Others	Ph.D. Medical Oncology and Haematology	AIIMS Rishikesh	bhaviniadhikari125@gmail.com	8006674493
Sikha Morang	Others	Pharmacology	All India Institute of Medical Sciences-Rishikesh, Veerbhadra Road, Rishikesh-249203, Uttarakhand	sikha.biotech@gmail.com	8638173199
Dr Sunita Mittal	Faculty	Medical Physiology	AIIMS,Rishikesh	sunitasanjeev21@gmail.com	9411314475
Twinkle Dogra	Others	Yoga	AIIMS, Rishikesh	twinklekot09@gmail.com	8755483288
Dr Nisha Tripathi	Scientist	Research and Development	Eco Bambrin India Private Limited	nisha.ebipl@gmail.com	9873495609
Aditi Saha	PG Student	Yoga	AIIMS	aditisahaa26@gmail.com	9382209903
Nirmala.B	Others	Microbiology	AIIMS Rishikesh	jokernimmy19@gmail.com	9176756638
Shipra chauhan	Others	Biochemistry	Aiims rishikesh	shiprachauhan71@gmail.com	8630327848

Dr. Manju Sundriyal	Scientist	Life Science / Ethnobotany, Rural Livelihood enhancement	Uttarakhand Science Education & Research Centre (USERC), 21/4, E.C. Road, Dehradun	sundriyalmanju@gmail.com	8193099188
Dr Abha Shrivastava	Faculty	Physiology	SRHU	abhashrivastava@srhu.edu.in	9761048736
Dr. Kanchan Bala	Faculty	Obstetrics and Gynecological Nursing	Swami Rama Himalayan University	kanchanbala@srhu.edu.in	8958031610
Ujjwal nautiyal	Faculty	Pharmaceutics	Himalaya school of pharmaceutical sciences	ujjwalnautiyal@srhu.edu.in	9736623079
Dr Juhi kalra	Faculty	Medicine	Himalayan Institute of Medical Sciences, SRHU, Dehradun (UK)	juhikalra@srhu.edu.in	9412053770
Dr Neha Sharma	Faculty	Community Medicine	Himalayan Institute of Medical Sciences, SRHU, Dehradun	nehasharma@srhu.edu.in	8126675123
Neelam tiwari	Faculty	Ophthalmology	SRHU	Neelampetwal27@gmail.com	9639070195
Drishti Maithani	PG Student	Botany	DAV PG COLLEGE, DEHRADUN	drishtimaithani86@gmail.com	9045155891
Kanchan Semwal	PG Student	Botany	D.A.V. (P.G.) College	kanchansemwal3002@gmail.com	+917895670975
DR MEENU GUPTA	Faculty	ONCOLOGY	SWAMI RAMA HIMALAYAN UNIVERSITY, DEHRADUN	meenugupta@srhu.edu.in, meenugupta.786@rediffmail.com	8954785377
Anjana negi	PG Student	Botany	Dav (pg) College Dehradun	anjananegi2003@gmail.com	8279401785
Km. Anjali Uniyal	PG Student	Botany	DAV pg college dehradun	uniyalanjali766@gmail.com	7668227967
Dr. Kamli Prakash	Faculty	Nursing	Swami Rama Himalayan University Jolly Grant Dehradun	Kamliprakash@srhu.edu.in	9458137789
Sanchita Pugazhendi	Faculty	Nursing	Himalayan College of Nursing, SRHU	sanchitapugazhendi13@gmail.com	9412052234
Anchal Agarwal	Faculty	Obstetrics and Gynaecology	SRHU	anchalagarwal2@gmail.com	7488343489

Dr Dipti yashwantrao sorte	Faculty	Nursing	SRHU	diptisorte@gmail.com	8384880032
princy tyagi	Faculty	a fusion of biometric security using machine learning model (CSE)	swami Rama himalayan university	princytyagi@srhu.edu.in	9813627099
Jaibunnisha	Faculty	Nursing	SRHU	riyaz.jaibu80@gmail.com	8630241178
Vaishali Gupta	Faculty	Computer Science Engineering	HSST	Vaishaligupta@srhu.edu.in	9729680811
Dr. Seema Madhok	Faculty	English Communication	Swami Rama Himalaya University	seemamadhok@srhu.edu.in	9897944721
Akanksha Uniyal	Faculty	Biostatistics	Department of Biostatistics, HIMS, SRHU	akankshauniya197@gmail.com	7906078248
Dr. Amjad Husain	Faculty	Cancer Research and Entrepreneurship	SRHU	director.hcie@srhu.edu.in	8861410623
Dr Saloni Malik	Faculty	Yoga Research	SRHU	salonimalik5@gmail.com	9193336356
Ritu	Others	Yoga Sciences	Swami Rama Himalayan University	hi.riturawat2001@gmail.com	8851661236
Dr.Archana Singh	Faculty	Education	D.W.T.College, Dehradun Uttarakhand	archana2173@gmail.com	09411365434
Veena pande	Faculty	Biotechnology	Kumaun university, Nainital	veena.biotech@gmail.com	9412419725
Dr. Harleen Kaur	Faculty	Medical Surgical Nursing	Swami Rama Himalayan University	Harleenkaur@srhu.edu.in	09917057767
Dr. Rajkumari Sylvia Devi	Faculty	Nursing	Swami Rama Himalayan University	sylvia.hcon@gmail.com	8006413977
Annu	PG Student	Forest botany	FOREST RESEARCH INSTITUTE OF DEHRADUN	annu051chamola@gmail.com	7830437274
Dr Priyanka Tyagi	Faculty	Chemistry	Dhanauri pg college Haridwar	drtyagi16@gmail.com	8979981010

Abhilekh Sati	Others	Biotechnology	Srhu	abhilekhsati09@gmail.com	8077809811
Divya Arya	Others	Microbiology	SRHU	divyadibbi1314@gmail.com	7300810365
Anjali Mishra	PG Student	M.Sc Clinical Research	Swami Rama Himalayan University, Jollygrant Dehradun	anjalisimran99@gmail.com	7480866955
PRATYUSH KUMAR SAHOO	PG Student	M.Sc. Clinical Research	Swami Rama Himalayan University, Jollygrant, Dehradun	pratyush2000.amit@gmail.com	7978285783
Rohit Panwar	PG Student	M.sc Clinical Research	Swami Rama Himalayan University, Jollygrant, Dehradun	panwarrohit845@gmail.com	7830287079
Kanishka Miglani	Others	Microbiology	Swami Rama Himalayan University	kanishkamiglani321@gmail.com	8267093864
Shivani Sharma	Faculty	Computer science engineering	SRHU, jollygrant	Shivanisharma@srhu.edu.in	9627961988
Charu Sharma	Others	Buotechnology	SRHU	charusharma_phd@srhu.edu.in	9538925927
Neelam Danu	Faculty	Sociology	SRHU jollygrant	neelamdnu@srhu.edu.in	9760087270
Dr. Somlata Jha	Faculty	Yoga	Swami Rama Himalayan University	somlatajha@srhu.edu.in	9350641464
Dr. Preeti Saxena	Faculty	Associate Professor and HOD Chemistry Department	Doon ( PG) College of Agriculture Science and Technology, Selaqui, Dehradun	nishus2004@gmail.com	7017142139
Dr. Rajeev Bijalwan	Others	Public Health	Rural Development Institute	rbijalwan@hihindia.org	8077660424
Neelam Pandey	Others	Manager in Rural Development Institute and Serving for community	RDI/HIHT/SRHU	Pandeyneelamp@gmail.com, neelamrdi@gmail.com	9411712136
Ruchika Thapliyal	PG Student	Msc Clinical Research	Swami Rama Himalayan University, Jollygrant	ruchikathaps@gmail.com	9837489336
Payal Bhatt	Others	Research	Rural Development Institute	Payalbhatt3421@gmail.com	7417887990

Khushi Dhasmana	Others	Biotechnology	Swami Rama Himalayan University	khushidhasmana18@gmail.com	08433447104
Mayank Bahuguna	Others	Biotechnology	HSBS, Swami Rama Himalayan University	mayankbahuguna21220@gmail.com	8393027069
Dr. Anupama Mishra	Faculty	Computer Science	HSST	anupamamishra@srhu.edu.in	9639601234
Harshita Arora	Others	Management (HRM)	Himalayan institute of management studies	harshिताa968@gmail.com	7300874977
Ayushi Santhanam	Others	Biotechnology	Swami Rama Himalayan University, Dehradun	Ayushisanthanam@gmail.com	9540496716
Mr. Himanshu Pandey	Faculty	Biochemistry	HIMS, SRHU	himsrhu08@gmail.com	9267981459
Dr. Naincy Barthwal	Others	Maternal and Child Health Care	Rural Development Institute	naincybarthwal21@gmail.com	8868843882
Vanshika Rana	Others	Microbiology	Swami Rama Himalayan University, Jollygrant, Dehradun	Vanshikaranadpr@gmail.com	6397982996
Amandeep Kaur	Faculty	Biochemistry	SRHU	amankaur4969@gmail.com	7579003885
Vandana Rawat	Faculty	Biochemistry	HIMS(SRHU)	rawatvandana5657@gmail.com	9690152975
Mansi kalsi	Faculty	Biochemistry	Himalayan institute of medical sciences Swami Ramnagar dehradun	man	07017668446
Nagma	Others	Epidemiology	Swami Rama Himalayan University (RDI)	nagmamirza977@gmail.com	7906355622
DR SONAM AGRAWAL	Faculty	PEDIATRICS	SRHU	sonamagrawal@srhu.edu.in	8684055628
Anita Tomar	Faculty	Mathematics	Pt. L. M. S. Campus, Sridev Suman Uttarakhand University, Rishikesh-249202	anitatmr@yahoo.com	9410361825
Sneha Rajput	PG Student	Chemistry of Forest Products	ICFRE-Forest Research Institute, Chakrata road, Dehradun	imsneharajput86@gmail.com	8755964499
Sanchita Rajput	PG Student	Organic Chemistry	D.B.S. P.G. College Dehradun	sanchita0086@gmail.com	8192852121

Himani	Others	Microbiology	SRHU Jollygrant Dehradun	himanibartwal28@gmail.com	8941898623
Sandeep Rawat	PG Student	M.Sc Clinical Research	Swami Rama Himalayan University	sandeeprawat5470@gmail.com	8171260688
Ashima gaur	Others	Biotech	Srhu	ashimagaur2@gmail.com	+91 97201 22816
Dr. Asha Thapliyal	Scientist	Remote sensing and GIS	Uttarakhand Space Application Centre, Dehradun	ashath08@gmail.com	8126757082
Roshani	Others	Microbiology	SRHU	sharmaroshni709@gmail.com	8126742006
Kanchan Dobhal	Scientist	Biotechnology	UCOST	dobhal.kanchan11@gmail.com	8941906261
Dr Deepa Mishra	Faculty	Botany /agriculture	D D college, Dehradun	deepamishra1986@gmail.com	9997909496
Shatakshi mehta	Faculty	Botany	Dd college dehradun	Shatakshi200@gmail.com	9639828185
Dr. Neelam Rawat	Scientist	Forestry , Ecology and Climate change	Uttarakhand Space Application centre	neel2406@gmail.com	9412115662
Sushma Gairola	Scientist	Remote Sensing and GIS	Uttarakhand Space Application Centre	sushmi17@gmail.com	8057220005
Dr. Divya Uniyal Chamoli	Scientist	Remote sensing and GIS	USAC, Dehradun	divya.uniyal@rediffmail.com	7895053144
Dr. Aruna Dawre	Scientist	Geospatial and IT Policy	Uttarakhand Space Application Centre	aruna.dawre@gmail.com	8218222932
Kavita Dogra	Faculty	Department of Ophthalmology	Swami Rama Himalayan University, SRN, Jollygrant	kavitadograsep03@gmail.com	7464907233
Aisha Naaz	Faculty	Pediatric Surgeon	Himalayan Institute of Medical Sciences	aishanaaz17@gmail.com	8946854430
Dr Amita	PG Student	Respiratory med	Swami Rama Himalayan University	amita.mason@yahoo.in	7351515180
Dr Jyoti Walia	Faculty	Paediatrician	Swami Rama Himalayan University	Jyotiwalia7374@gmail.com	8279723119
Dr. Anita Sharma	Faculty	Biochemistry	SRHU Dehradun	dranitasharmabio@gmail.com	9719109266
Dr. Aakanksha Shokeen	PG Student	Biochemistry	SRHU	Draakanksha557@gmail.com	9971213064

Dr Vidisha Vallabh	Faculty	Community Medicine/ Medical	HIMS, SRHU	vidishavallabh@gmail.com	9536105392
Navneet	Others	Research	SRHU	navsharmapara shar6010@gmail.com	09896449292
Amit	Others	Research	SRHU	amitdalal511@gmail.com	09992557284
Dr. Rashi Mishra	Faculty	Environmental Communication	Doon University	rashidoon@gmail.com	8449065469



## महिला सशक्तीकरण पर कार्यशाला प्रारंभ



महिला सशक्तीकरण पर जौलीग्रंट में मंथन करते विशेषज्ञ। स्रोत : विधि

डोईवाला। स्वामी राम हिमालयन विश्वविद्यालय (एसआरएचयू) जौलीग्रंट में 'विज्ञान एवं प्रौद्योगिकी के माध्यम से उत्तराखंड में महिला सशक्तीकरण' विषय पर दो दिवसीय राष्ट्रीय कार्यशाला आयोजित की जा रही है।

हिमालयन इंस्टीट्यूट ऑफ मेडिकल साइंसेज के सेमिनार हॉल में आयोजित कार्यशाला का शुभारंभ संस्थापक डॉ. स्वामी राम के चित्र के समक्ष दीप प्रज्ज्वलित कर किया गया। मुख्य अतिथि पद्मभूषण व

नेशनल एकेडमी ऑफ साइंसेज इंडिया (एनएसआई) की चेयरपर्सन डॉ. मंजू शर्मा ने कहा कि परिवार में महिला की भूमिका अहम होती। एसआरएचयू के अध्यक्ष डॉ. विजय धस्माना ने कहा कि विकसित समाज के लिए नारी का सम्मान जरूरी है। विज्ञान और तकनीक का सही से इस्तेमाल किया जाए तो महिलाएं और अधिक सशक्त और आत्मनिर्भर बन सकती हैं। इस अवसर पर डॉ. राजेंद्र डोभाल, डॉ. विजेंद्र चौधरी

वर्ष: 09 अंक: 257

देहरादून

चेन्नै, कृष्ण पक्ष पंचमी, विक्रमी संवत् 2080

शनिवार, 30 मार्च 2024

मूल्य: 3.00 कुल पृष्ठ: 12

04 इगड़े में बीच बचाव न करने पर साक्षु घोष दिया

07 खूबि-मुनियाँ जैरी है प्रबुद्धजनों की भूमिका

नौ और साहस्य स्त

# लोकसत्य

दिल्ली • लखनऊ • मेरठ • देहरादून • चंडीगढ़ • भोपाल से प्रकाशित

राष्ट्रीय हिंदी दैनिक

सत्य के संग, असत्य से जंग

## एसआरएचयू जौलीग्रंट में महिला सशक्तीकरण को किया मंथन

विज्ञान एवं प्रौद्योगिकी का महिला सशक्तीकरण के क्षेत्र में बताया अहम योगदान

डोईवाला, लोकसत्य।

स्वामी राम हिमालयन विश्वविद्यालय (एसआरएचयू) जौलीग्रंट में 'विज्ञान एवं प्रौद्योगिकी के माध्यम से उत्तराखंड में महिला सशक्तीकरण' विषय पर दो दिवसीय राष्ट्रीय कार्यशाला आयोजित की जा रही है। नेशनल एकेडमी ऑफ साइंसेज इंडिया (एनएसआई) उत्तराखंड पैटर्न के सहयोग से आयोजित कार्यशाला में देशभर से विशेषज्ञ जुटे। चर्चताओं ने विज्ञान एवं प्रौद्योगिकी का महिला सशक्तीकरण के क्षेत्र में अहम योगदान बताया।

शुक्रवार को एसआरएचयू के रिसर्च सेल की ओर से हिमालयन इंस्टीट्यूट ऑफ मेडिकल साइंसेज के सेमिनार हॉल में आयोजित कार्यशाला का औपचारिक शुभारंभ संस्थापक डॉ. स्वामी राम के चित्र के समक्ष दीप प्रज्ज्वलित कर किया गया।

कार्यशाला को संबोधित करते हुए मुख्य अतिथि पद्म भूषण व नेशनल एकेडमी ऑफ साइंसेज इंडिया (एनएसआई) की चेयरपर्सन डॉ. मंजू शर्मा ने कहा कि परिवार में महिला की भूमिका अहम होती। महिला सशक्तीकरण का



तात्पर्य विविध क्षेत्रों में महिलाओं की आर्थिक, राजनीतिक, सामाजिक या आर्थिक शक्ति को बढ़ाना है। पिछले कुछ वर्षों में महिलाओं ने पारंपरिक मानसिकता पर कब्जा पाया है और शिक्षण, चिकित्सा, इंजीनियरिंग, सूचना प्रौद्योगिकी, वैद्य प्रौद्योगिकी, परमाणु विज्ञान, अंतरिक्ष विज्ञान और विज्ञान और प्रौद्योगिकी के क्षेत्र में ऐसे कई विशिष्ट क्षेत्रों जैसे व्यवसायों में उल्लेख्य हासिल की है।

स्वामी राम हिमालयन विश्वविद्यालय के अध्यक्ष डॉ. विजय धस्माना ने कहा कि विकसित समाज के लिए नारी है नारी का सम्मान। विज्ञान और तकनीक का अगर सही से इस्तेमाल किया जाए तो महिलाएं और अधिक सशक्त और आत्मनिर्भर बन सकती हैं। डॉ. धस्माना ने कहा कि पलटन से खाली हो रहे गांव में विज्ञान एवं तकनीक के सहयोग से रोजगार सृजन कर सकते हैं। यहाँ की

अर्थव्यवस्था पूर्ण रूप से कृषि, पशुपालन, पर्यटन पर निर्भर है। यहाँ विज्ञान एवं प्रौद्योगिकी के प्रयोग से उन्हें सशक्त बनाया जा सकता है। स्वामी राम हिमालयन विश्वविद्यालय के कुलपति व राष्ट्रीय विज्ञान अकादमी उत्तराखंड पैटर्न के नवनिर्वाचित अध्यक्ष व डॉ. राजेंद्र डोभाल ने उपस्थित सभी अतिथियों का स्वागत किया। कहा कि महिला सशक्तीकरण के उद्देश्य को विज्ञान एवं तकनीक विकास पूरा कर रहा है। सम्मरोह के विशिष्ट अतिथि महानिदेशक शैक्षणिक विकास डॉ. विजेंद्र चौहान ने कहा कि आदि काल से महिलाओं को परिवार में विशेष दर्जा हासिल है जो समय के साथ बदलता रहा है।

इस अवसर पर कुलसचिव डॉ. मुकेश विजयाग व विश्वविद्यालय के समस्त कर्मियों के प्रतिनिधित्व व फैकल्टी मौजूद रहे। कार्यशाला के संचालन में डॉ. निरंकर यादव, डॉ. गीता भंडारी, डॉ. नूपुर जोशी, डॉ. प्रवीण लिवाड़ी, डॉ. विवेक कुमार, डॉ. अर्चना धस्माना, अर्चन, अकांक्ष सलिल डीएवी कॉलेज से डॉ. प्रशांत सिंह व कालिंद के छात्र-छात्राओं ने सहयोग दिया।



## छोटीबड़ीबात

आज ही के दिन  
1919 में महात्मा गांधी  
ने रॉलेट एक्ट के  
विरोध की घोषणा  
की थी।

# दैनिक भास्कर

देश का विश्वसनीय अखबार

देहली | 7, अंक-220 | शनिवार, 30 मार्च, 2024 | कुल पृष्ठ 12 | मूल्य 5.00 रुपये

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यूएनएससी प्रस्ताव पर अमेरिका सहमत

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अमेरिका ने कोरी एंडरसन को किया टीम में शामिल पेज 11 >

विज्ञान एवं प्रौद्योगिकी के माध्यम से दो दिवसीय राष्ट्रीय कार्यशाला की गई आयोजित

## एसआरएचयू में महिला सशक्तिकरण को किया मंथन

भास्कर समाचार सेवा

**डोईवाला।** स्वामी राम हिमालयन विश्वविद्यालय (एसआरएचयू) जौलीग्रान्ट में 'विज्ञान एवं प्रौद्योगिकी के माध्यम से उत्तराखंड में महिला सशक्तिकरण' विषय पर दो दिवसीय राष्ट्रीय कार्यशाला आयोजित की जा रही है। नेशनल एकेडमी ऑफ साइंसेज इंडिया (एनएएसआई) उत्तराखंड चैप्टर के सहयोग से आयोजित कार्यशाला में देशभर से विशेषज्ञ जुटे। वक्ताओं ने विज्ञान एवं प्रौद्योगिकी का महिला सशक्तिकरण के क्षेत्र में अहम योगदान बताया। कार्यशाला को संबोधित करते हुए मुख्य अतिथि

पद्म भूषण व नेशनल एकेडमी ऑफ साइंसेज इंडिया (एनएएसआई) की चेयरपर्सन डॉ. मंजू शर्मा ने कहा कि परिवार में महिला की भूमिका अहम होती। महिला सशक्तिकरण का तात्पर्य विविध क्षेत्रों में महिलाओं की आध्यात्मिक, राजनीतिक, सामाजिक या आर्थिक शक्ति को बढ़ाना है। पिछले कुछ वर्षों में महिलाओं ने पारंपरिक मानसिकता पर काबू पाया है और शिक्षण, चिकित्सा, इंजीनियरिंग, सूचना प्रौद्योगिकी, जैव प्रौद्योगिकी, परमाणु विज्ञान, अंतरिक्ष विज्ञान और विज्ञान और प्रौद्योगिकी के क्षेत्र में ऐसे कई विशिष्ट क्षेत्रों जैसे व्यवसायों में उत्कृष्टता



राष्ट्रीय कार्यशाला में अपने विचार प्रस्तुत करते वक्ता।

हासिल की है। समारोह की अध्यक्षता कर रहे स्वामी राम हिमालयन विश्वविद्यालय के अध्यक्ष डॉ. विजय धरमना ने कहा कि विकसित समाज के लिए जरूरी है नारी का सम्मान। विज्ञान और तकनीक का अगर सही से इस्तेमाल किया जाए तो महिलाएं और अधिक सशक्त और आत्मनिर्भर बन सकती हैं।

नवनियुक्त अध्यक्ष व डॉ. राजेन्द्र डोभाल ने उपस्थित सभी अतिथियों का स्वागत किया। कहा कि महिला सशक्तिकरण के उद्देश्य को विज्ञान एवं तकनीक विकास पूरा कर रहा है। समारोह के विशिष्ट अतिथि महानिदेशक शैक्षणिक विकास डॉ. विजेन्द्र चौहान ने कहा कि आदि काल से महिलाओं को परिवार में विशेष

दर्जा हासिल है जो समय के साथ बदलता रहा है। विशेष अतिथि डॉ. परमजीत खुराना ने कार्यक्रम की रूपरेखा से अवगत कराया। रिसर्च सेल की निदेशक डॉ. बिन्दु डे ने सभी उपस्थित लोगों का धन्यवाद दिया। इस अवसर पर कुलसचिव डॉ. मुकेश बिजलवाण व विश्वविद्यालय के सम्स्त कॉलेजों के प्रिंसिपल व फैकल्टी मौजूद रहे। कार्यशाला के संचालन में डॉ. निक्कू यादव, डॉ. गीता भंडारी, डॉ. नूपुर जोशी, डॉ. प्रवीण तिवारी, डॉ. विवेक कुमार, डॉ. अर्चना धरमना, अभिनव, आकांक्षा सहित डीएवी कॉलेज से डॉ. प्रशांत सिंह व कॉलेज के छात्र-छात्राओं ने सहयोग दिया।



# हिन्दुस्तान

मरोसा जाए हिन्दुस्तान का

शनिवार  
30 मार्च 2024, देहरादून

संख्या 10000, अंक 20, अंक 20, अंक 20, अंक 20

• कागज का • 21 अंश

**गोष्ठी** | एसआरएचयू में दो दिवसीय राष्ट्रीय कार्यशाला में बोले विशेषज्ञ, विज्ञान और प्रौद्योगिकी का महिला सशक्तिकरण में अहम बताया योगदान

## विज्ञान में महिलाओं का योगदान अहम

**डोईवाला, संवाददाता।** एसआरएचयू में 'विज्ञान एवं प्रौद्योगिकी के माध्यम से उत्तराखंड में महिला सशक्तिकरण' विषय पर दो दिवसीय राष्ट्रीय कार्यशाला आयोजित हुई। नेशनल एकेडमी ऑफ साइंसेज इंडिया (एनएएसआई) उत्तराखंड चैप्टर के सहयोग से आयोजित कार्यशाला में देशभर से विशेषज्ञ जुटे। वक्ताओं ने विज्ञान एवं प्रौद्योगिकी का महिला सशक्तिकरण के क्षेत्र में अहम योगदान बताया।

शुक्रवार को जौलीग्रान्ट स्थित एसआरएचयू के हिमालयन इंस्टीट्यूट ऑफ मेडिकल साइंसेज के सेमिनार हॉल में आयोजित कार्यशाला का औपचारिक शुभारंभ संस्थापक डॉ.



एसआरएचयू में शुक्रवार को आयोजित कार्यशाला में शिरकत करते अतिथिगण।

स्वामी राम के चित्र के समक्ष दीप जलाकर किया गया। मुख्य अतिथि पद्म भूषण और नेशनल एकेडमी ऑफ साइंसेज इंडिया (एनएएसआई) की चेयरपर्सन डॉ. मंजू शर्मा ने कहा कि परिवार में महिला की भूमिका अहम

होती है। मौके पर महानिदेशक शैक्षणिक विकास डॉ. विजेन्द्र चौहान, डॉ. परमजीत खुराना, रिसर्च सेल की निदेशक डॉ. बिन्दु डे, कुलसचिव डॉ. मुकेश बिजलवाण, डॉ. निक्कू यादव, डॉ. गीता भंडारी मौजूद रहे।

## 3.8 Certificate



**NATIONAL WORKSHOP ON WOMEN'S  
EMPOWERMENT IN UTTARAKHAND THROUGH  
SCIENCE AND TECHNOLOGY**

29-30 March, 2024



SPONSORED BY NATIONAL ACADEMY OF SCIENCES INDIA

JOINTLY ORGANIZED BY NASI UTTARAKHAND CHAPTER & SWAMI RAMA HIMALAYAN  
UNIVERSITY, DEHRADUN

### CERTIFICATE

This is to certify that Prof./Dr./Ms./Mr. \_\_\_\_\_ from  
\_\_\_\_\_ participated as Delegate/Invited Speaker/Organizer  
during the workshop.

Dr Rajendra Dobhal, FNASc  
Chairman, NASI UK Chapter &  
Vice- Chancellor  
Swami Rama Himalayan University, Dehradun

## **A. Acknowledgement**

We extend our heartfelt gratitude and sincere appreciation to National Academy of Science India, Uttarakhand Chapter, in Dehradun for their generous sponsorship of the National Workshop on Women Empowerment in Uttarakhand through Science and Technology Jointly organized by the National Academy of Science India, Uttarakhand Chapter, in Dehradun and Swami Rama Himalayan University (SRHU), Jolly grant, Dehradun.

Your commitment to supporting initiatives aimed at advancing women's empowerment and leveraging science and technology for societal progress is commendable. Your contribution has been instrumental in making this workshop a resounding success and in facilitating meaningful dialogue, knowledge sharing, and skill development among participants.

Through your support, we have been able to create a platform where ideas are exchanged, innovative solutions are explored, and strategies for enhancing women's participation in the fields of science and technology are developed. Your investment in this endeavour will undoubtedly have a lasting impact on the lives of women in Uttarakhand, empowering them to achieve their full potential and contribute to the development of our society.