



A Compendium of UTU Initiatives towards Sustainable Development Goals: 2023-24

A Publication of
Skill Development and SDG Cell
Veer Madho Singh Bhandari
Uttarakhand Technical University
Dehradun, Pin-248007
Uttarakhand, INDIA

**A Compendium
of
UTU Initiatives towards
Sustainable Development Goals:
2023-24**



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Veer Madho Singh Bhandari Uttarakhand Technical University
Dehradun, Uttarakhand, PIN: 248007

September 2024

United Nations Sustainable Development Goals for 2030

1. No poverty
2. Zero hunger
3. Good health and well-being
4. Quality Education
5. Gender equality
6. Clean water and sanitation
7. Affordable and clean energy
8. Decent work and economic growth
9. Industry, innovation and infrastructure
10. Reduced inequalities
11. Sustainable cities and economies
12. Responsible consumption and production
13. Climate action
14. Life below water
15. Life on land
16. Peace, justice and strong institutions
17. Partnership for the goals



For more details please visit:

<https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

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Education for Sustainability: The Role of Technical Education Institutions in Accelerating the Sustainable Development Goals in Uttarakhand

Veer Madho Singh Bhandari Uttarakhand Technical University erstwhile Uttarakhand Technical University (UTU) was established on 27th January 2005 by Govt. of Uttarakhand through the Uttarakhand Technical University Act, 2005. The main campus of this University is situated in Dehradun. It has Faculty of Technology, Faculty of Pharmacy, Faculty of Management, and Women Institute of Technology in Dehradun campus of the University. Other Campus Institutions of this University are situated in different locations across Uttarakhand namely at Tanakpur, Pithoragarh, Tehri, Gopeshwar, and Uttarkashi.

The University affiliates the technical and professional institutions across the state of Uttarakhand which offer undergraduate and postgraduate programmes regulated by the All India Council for Technical Education, Pharmacy Council of India, Bar Council of India, and Council of Architecture. Currently, there are 80 affiliated Private Institutions, and 12 Government Institutions associated with the University. University is running NEP 2020 compliant 08 Under Graduate, 6 Post Graduate and 18 Doctoral programs with approximately twenty three thousand students enrolled in various courses namely B. Tech., B. Pharm., BHMCT, BBA, BCA, B.Arch., BALLB, BBALLB, LLB, MBA, MCA, MHM, M.Tech., M.Pharm., LLM, Pharm.D., and Ph.D in different disciplines.

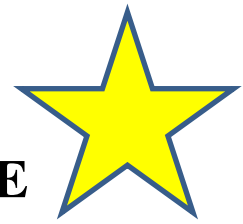
Under the University's Social Responsibility Program, the Veer Madho Singh Bhandari Uttarakhand Technical University has a strong focus on taking initiatives for sustainable development as a cross-cutting theme in all of its activities. This program is inspired by the vision of transformational changes by leveraging the potential of the students and teachers in technical / professional Institutions. The objective of this program is to orient the academic and research activities towards sustainable development on ecological, social, economic, and cultural accounts.

All institutions in the ambit of university have been mandated to identify one or more of sustainable development goals (SDGs) prescribed by United Nations as key theme(s) for contributing their bit for a sustainable future. The Institutions are supposed to undertake student/faculty projects, product development, and conduct seminars/ workshops /conferences/competitive events like debates, poster making, quizzes, etc. on the identified SDG themes. The institutions associated with university have made various efforts in this direction to contribute in achieving the indicators of SDG targets by 2030. Besides, these initiatives are also being showcased at different platforms by the Institutions as their Best Practices.

Considering this background, this compendium introduces various activities and initiatives at institutions associated with the university for accelerating the accomplishment of the Sustainable Development Goals as prescribed by the United Nations. It presents a summary of the activities conducted by the university's affiliated and campus institutions under the specific Goal chosen by them from the SDGs during the academic session 2023-24.



WINNERS OF



“UTU STAR OF SUSTAINABLE DEVELOPMENT: 2022-23”



Faculty of Technology, Dehradun - First



Maya College of Pharmacy, Dehradun - Second



J.B. Institute of Technology, Dehradun - Third

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From the Vice Chancellor's Desk



It dates to August 2022, when the Veer Madho Singh Bhandari Uttarakhand Technical University Dehradun resolved to engage the students and teachers of its affiliated institutions to work towards the realization of the 17 Sustainable Development Goals (SDGs) prescribed by the United Nations. The institutions were mandated to choose at least one SDG out of the list of 17 SDGs and work to contribute to the accomplishment of the sustainable development goals (SDGs) identified by them as per their strength in terms of their potential, regional aspirations, interests of the available human resources, etc. This is critical due to the continuous push by the United Nations to all countries across the world to achieve SDGs by 2030 and create a prosperous, equitable, environmental friendly and ecologically sustainable world.

Undoubtedly, the challenges of sustainable development are very complex, multidisciplinary, and interconnected in the existing socio-economic inequities and diversities across the globe. But the higher education institutions have the privilege to engage and motivate there as on ably matured, grown-up, and responsible students enrolled with them to combat the challenges faced in sustainable development. These SDGs also guide the institutions to work on these broad themes in an academic session. The overall intention is to involve students and teachers in the institutions to figure out the interconnected economic, social, environmental, and technological challenges faced concerning the chosen SDGs and leverage their knowledge & research acumen to ethically solve them through their minor/major projects, internships, workshops, seminar, etc.

I am delighted to know that the efforts of all institutions have been compiled together and brought out in the form of a compendium to create a repository of contributions of the university community towards the achievement of SDGs. Further, the University will be assigning significant importance to these initiatives of the institutions by identifying the best institution(s) as “**UTU Star for Sustainable Development**” for the session 2023-24 like in the last session 2022-23.

I am confident that the concerted efforts of the university students and teachers will position the Veer Madho Singh Bhandari Uttarakhand Technical University as a noteworthy contributor towards the accomplishment of the SDGs laid down by the United Nations.

Let us understand the implications of the ongoing activities, processes & developments and remodel them in such a way that there is no risking of the opportunities for future generations and it is a sustainable development.

Jai Hind!

Date: September 24, 2024

Prof. Onkar Singh
Vice Chancellor
Veer Madho Singh Bhandari Uttarakhand Technical University
Dehradun (Uttarakhand), INDIA

Sustainable Development Goals Identified by the Technical Education Institutions amongst SDGs prescribed by the United Nations

S.N.	COLLEGE NAME	IDENTIFIED SDGs
1	FACULTY OF PHARMACY, UTU DEHRADUN	Goal 3: Good Health and Well Being Goal 4: Quality Education
2	FACULTY OF TECHNOLOGY, UTU DEHRADUN	SDG 3: Good health and well being Goal 4: Quality Education SDG 7: Affordable and Clean Energy Goal 8: Decent Work and Economic Growth Goal 9: Industry, Innovation and Infrastructure
3	FACULTY OF MANAGEMENT, UTU DEHRADUN	Goal 4: Quality Education Goal 11: Sustainable Cities and Communities
4	AMRAPALI INSTITUTE OF TECHNOLOGY & SCIENCE, HALDWANI	Goal 4- Quality Education Goal 5- Gender Equality Goal 6- Clean Water and Sanitation
5	AMRAPALI INSTITUTE OF HOTEL MANAGEMENT, HALDWANI	Goal 2: Zero Hunger Goal 3: Good Health and well being Goal 4: Quality Education Goal 5: Gender Equality Goal 6: Clean Water and Sanitation Goal 7: Affordable and Clean Energy
6	BIRLA INSTITUTE OF APPLIED SCIENCES, BHIMTAL	Goal 4: Quality Education Goal 6: Clean Water and Sanitation
7	COLLEGE OF ENGINEERING, ROORKEE	Goal 3: Good Health and Well Being Goal 4: Quality Education Goal 9: Industry, Innovation and Infrastructure
8	GRD(PG) INSTITUTE OF MANAGEMENT AND TECHNOLOGY, DEHRADUN	Goal 4: Quality Education Goal 5: Gender Equality Goal 8: Decent Work and Economic Growth
9	TULAS INSTITUTE, DEHRADUN	Goal 3: Good Health and Well-Being Goal 4: Quality Education Goal 6: Clean Water and Sanitation
10	HIMALAYAN INSTITUTE OF PHARMACY & RESEARCH , DEHRADUN	Goal 3: Good Health and Well-Being Goal 4: Quality Education

S.N.	COLLEGE NAME	IDENTIFIED SDGs
11	INSTITUTE OF MANAGEMENT STUDIES, ROORKEE	Goal 4: Quality Education Goal 5: Gender Equality
12	SC GURIA INSTITUTE OF MANAGEMENT & TECHNOLOGY, KASHIPUR	Goal 3: Good Health and Well-Being Goal 4: Quality Education
13	INSTITUTE OF CO-OPERATIVE MANAGEMENT, DEHRADUN	Goal 3: Good Health and Well-Being Goal 12: Responsible Production and Consumption
14	KUKREJA INSTITUTE OF HOTEL MANAGEMENT & CATERING TECHNOLOGY, DEHRAUN	Goal 2: Zero Hunger Goal 3: Good Health and Wellbeing Goal 8: Decent Work and Economic Growth
15	MAHADEVI INSTITUTE OF TECHNOLOGY, DEHRADUN	Goal 3: Good Health and Well-Being Goal 5: Gender Equality
16	NIMBUS ACADEMY OF MANAGEMENT, DEHRADUN	Goal 4: Quality Education Goal 9: Industry, Innovation and Infrastructure
17	OMKARANANDA INSTITUTE OF MANAGEMENT & TECHNOLOGY, RISHIKESH	Goal 3: Good Health and Well-Being Goal 5: Gender Equality
18	ROORKEE INSTITUTE OF TECHNOLOGY, ROORKEE	Goal 4: Quality Education Goal 11: Sustainable Cities and Communities
19	ROORKEE COLLEGE OF PHARMACY, ROORKEE	Goal 2: Zero Hunger Goal 5: Gender Equality Goal 11: Sustainable Cities and Communities
20	SIDDHARTHA INSTITUTE OF PHARMACY, DEHRADUN	Goal 5: Gender Equality Goal 15: Life on Land
21	SARASWATI INSTITUTE OF MANAGEMENT & TEHNOLOGY, RUDRAPUR	Goal 3: Good Health and Well-Being Goal 4: Quality Education
22	OM BIO SCIENCE & PHARMACY COLLEGE, ROORKEE	Goal 4: Quality Education Goal 8: Decent Work and Economic Growth
23	BISHAMBHAR SAHAY INSTITUTE OF TECHNOLOGY, ROORKEE	Goal 2: Zero Hunger Goal 3: Good Health and well being

S.N.	COLLEGE NAME	IDENTIFIED SDGs
24	DOON BUSINESS SCHOOL, DEHRADUN	Goal 4: Quality Education Goal 5: Gender Equality Goal 6: Clean Water & Sanitization
25	GYANI INDER SINGH INSTITUTE OF PROFESSIONAL STUDIES, DEHRADUN	Goal 3: Good Health and Well-Being Goal 4: Quality Education Goal 6: Clean Water and Sanitation
26	DEVASTHALI VIDYAPETH COLLEGE OF PHARMACY, RUDRAPUR	Goal 3: Good Health and Well-Being Goal 4: Quality Education
27	SHIVALIK COLLEGE OF ENGINEERING, DEHRADUN	Goal-4 Quality Education Goal-5 Gender Equality
28	SHREE DEV BHOOMI INSTITUTE, DEHRADUN	Goal 4: Quality Education Goal 5: Gender Equality
29	SMT TARAWATI INSTITUTE OF BIO MEDICAL SCIENCES, ROORKEE	Goal 3: Good Health and Well-Being Goal 4: Quality Education Goal 5: Gender Equality Goal 6: Clean Water and Sanitation Goal 17: Partnerships for the Goals
30	GURU RAM DASS INSTITUTE OF MANAGEMENT AND TECHNOLOGY, DEHRADUN	Goal 4: Quality Education Goal 5: Gender Equality Goal 8: Decent Work and Economic Growth
31	J.B. INSTITUTE OF TECHNOLOGY, DEHRADUN	Goal 3: Good Health and Well-Being Goal 4: Quality Education
32	DOON INST. OF ENGG. & TECHNOLOGY, RISHIKESH	Goal 3: Good Health and Well Being Goal 4: Quality Education
33	PHONICS GROUP OF INSTITUTIONS, ROORKEE	Goal 3: Good Health and Well-Being Goal 4: Quality Education
34	INSTITUTE OF TECHNOLOGY, ROORKEE	Goal 3: Good Health and Well-Being Goal 4: Quality Education Goal 6: Clean Water and Sanitation
35	GLOBAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH, KASHIPUR	Goal 3: Good Health and wellbeing Goal 4: Quality Education
36	SRI RAM INSTITUTE OF MGMT. & TECH., KASHIPUR	Goal 4: Quality Education Goal 5: Gender Equality

S.N.	COLLEGE NAME	IDENTIFIED SDGs
37	SWAMI DARSHANANAND INSTITUTE OF MANAGEMENT, HARIDWAR	Goal 3: Good Health and Well-Being Goal 4: Quality Education Goal 5: Gender Equality
38	BRD COLLEGE OF MANAGEMENT, ROORKEE	Goal 3: Good Health and Well-Being Goal 5: Gender Equality Goal 6: Clean Water and Sanitation Goal 9: Industry, Innovation and Infrastructure
39	RAMANAND INSTITUTE OF PHARMACY & MANAGEMENT, HARIDWAR	Goal 3: Good Health and Well-Being Goal 4: Quality Education
40	SURAJMAL AGARWAL CO-ED COLLEGE OF MANAGEMENT, KICHCHA	Goal 3: Good Health and Well-Being Goal 7: Affordable and Clean Energy
41	PRAGATI COLLEGE OF PHAR- MACY, KASHIPUR	Goal 4: Quality Education Goal 9: Industry, Innovation and Infrastructure Goal 16: Peace, Justice and Strong Institutions
42	BSM COLLEGE OF ENGINEERING, ROORKEE	Goal 1: No Poverty Goal 3: Good Health and Well-Being Goal 4: Quality Education Goal 16: Peace, Justice and Strong Institutions
43	AMRIT LAW COLLEGE, ROORKEE	Goal 3: Good Health and Well-Being Goal 16: Peace, Justice and Strong Institutions
44	THDC INSTITUTE OF HYDRO POWER ENGINEERING & TECHNOLOGY, TEHRI	Goal 4- Quality Education Goal 5- Gender Equality Goal 6- Clean Water and Sanitation
45	BSM LAW COLLEGE, ROORKEE	Goal 3: Good Health and Well-Being Goal 4: Quality Education
46	ROORKEE COLLEGE OF ENGINEERING, ROORKEE	Goal 3: Good Health and Well-Being Goal 4: Quality Education
47	NANHI PARI SEEMANT ENGINEERING INSTITUTE, PITHORAGARH	Goal 3: Good Health and Well-Being Goal 6: Clean Water and Sanitation
48	ARIHANT COLLEGE OF NURSING, ROORKEE	Goal 4: Quality Education Goal 5: Gender Equality
49	WOMEN INSTITUTE OF TECHNOLOGY, DEHRADUN	Goal 4: Quality Education Goal 5: Gender Equality

S.N.	COLLEGE NAME	IDENTIFIED SDGs
50	INSTITUTE OF PROFESSIONAL STUDIES, ROORKEE	Goal 3: Good Health and Well-Being Goal 4: Quality Education
51	INSTITUTE OF TECHNOLOGY, GOPESHWAR	Goal 4: Quality Education Goal 5: Gender Equality Goal 7: Affordable and Clean Energy Goal 9: Industry, Innovation and Infrastructure
52	JAGANNATH VISHWA LAW COLLEGE, DEHRADUN	Goal 5: Gender Equality Goal 16: Peace, Justice and Strong Institutions
53	JAGRAN SCHOOL OF LAW, DEHRADUN	Goal 15: Life on Land Goal 16: Peace, Justice and Strong Institutions
54	STATE INSTITUTE OF HMCT, TEHRI	Goal 3: Good Health and Well-Being Goal 6: Clean Water and Sanitation
55	CHAMAN LAL LAW COLLEGE, HARIDWAR	Goal 3: Good Health and Well-Being Goal 4: Quality Education Goal 16: Peace, Justice and Strong Institutions
56	DR. APJ ABDUL KALAM INSTITUTE OF TECHNOLOGY, TANAKPUR	Goal 4: Quality Education Goal 5: Gender Equality Goal 6: Clean Water and Sanitation
57	GURU NANAK COLLEGE OF PHARMACEUTICAL SCIENCES, DEHRADUN	Goal 3: Good Health and Well-Being Goal 9: Industry, Innovation and Infrastructure
58	COLLEGE OF PHARMACY, DEHRADUN	Goal 4: Quality Education Goal 5: Gender Equality
59	AMRAPALI INSTITUTE OF PHARMACY, HALDWANI	Goal 3: Good Health and well-being Goal 4: Quality Education
60	JBIT COLLEGE OF PHARMACY, DEHRADUN	Goal 5: Gender Equality Goal 10: Reduced Inequalities
61	SIX SIGMA INSTITUTE OF TECHNOLOGY AND SCIENCE, RUDRAPUR	Goal 1: No Poverty Goal 2: Zero Hunger
62	COLLEGE OF PHARMACY, ROORKEE	Goal 5: Gender Equality
63	KINGSTON IMPERIAL INSTITUTE OF TECHNOLOGY & SCIENCE, DEHRADUN	Goal 4: Quality Education

S.N.	COLLEGE NAME	IDENTIFIED SDGs
64	MAYA COLLEGE OF PHARMACY, DEHRADUN	Goal 4: Quality Education Goal 7: Affordable and Clean Energy Goal 8: Decent Work and Economic Growth
65	SAMRAT PRITHVIRAJ CHAUHAN COLLEGE OF PHARMACY, KASHIPUR	Goal 3: Good Health and Well-Being Goal 5: Gender Equality
66	LIBRA COLLEGE OF HIGHER STUDIES, DEHRADUN	Goal 4: Quality Education Goal 5: Gender Equality Goal 16: Peace, Justice and Strong Institutions
67	ALPINE COLLEGE OF MANAGEMENT & TECHNOLOGY, DEHRADUN	Goal 2: Zero Hunger Goal 12: Responsible Production and Consumption Goal 13: Climate Action
68	BIPIN TRIPATHI KUMAON INSTITUTE OF TECHNOLOGY, DWARAHAT	Goal 3: Good Health and Well-Being Goal 4: Quality Education Goal 5: Gender Equality Goal 7: Affordable and Clean Energy
69	GOVIND BALLABH PANT INSTITUTE OF ENGINEERING & TECHNOLOGY, PAURI	Goal 1: No Poverty Goal 3: Good Health and wellbeing Goal 4: Quality Education Goal 5: Gender Equality Goal 6: Clean Water and Sanitation Goal 7: Affordable and Clean Energy Goal 8: Decent Work and Economic Growth
70	ROORKEE BUSINESS SCHOOL OF PHARMACY, ROORKEE	Goal 3: Good Health and wellbeing Goal 4: Quality Education Goal 13: Climate Action
71	INSTITUTE OF TECHNOLOGY BAUN, UTTARKASHI	Goal 4: Quality Education Goal 6: Clean Water and Sanitation Goal 13: Climate Action
72	SIDDHARTHA COLLEGE OF LAW, DEHRADUN	Goal 5: Gender Equality Goal 6: Clean Water and Sanitation
73	BFIT TECHNICAL CAMPUS, DEHRADUN	Goal 5: Gender Equality Goal 6: Clean Water and Sanitation
74	INSTITUTE OF HOSPITALITY, MANAGEMENT & SCIENCES, KOTDWAR	Goal 3: Good Health and wellbeing Goal 13: Climate Action
75	GOVERNMENT INSTITUTE OF HOTEL MANAGEMENT CATERING TECHNOLOGY AND APPLIED NUTRITION DEHRADUN	Goal 3: Good Health and wellbeing Goal 6: Clean Water & Sanitization

**Faculty of Technology, Faculty of Pharmacy &
Faculty of Management
VMSB Uttarakhand Technical University, Dehradun**

SDG PROGRESS REPORT: 2023-24

SDG Coordinator's Name : Dr. D. S. Gangwar
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Phone Number : 9319352461

S.N.	Identified SDGs
1	SDG 3: Good health and well being
2	SDG 4: Quality Education
3	SDG 7: Affordable and Clean Energy
4	Goal 8: Decent Work and Economic Growth
5	Goal 9: Industry, Innovation and Infrastructure

List of Activities:

ACTIVITY 1: SDG 8

Title of the Activity: Interaction with Dean, Agriculture, J. B. Institute, Dehradun on 28-Sep-2023.

Need of the Activity: Rural Livelihood Systems, Agricultural Bio stimulant, Smart Ecological Farming

Brief Description (Need/Impact/Action/Picture):Dr, Devendra Singh Rawat,Dean, Agriculture, J. B. Institute, Dehradun visited the University UBA Cell. A comprehensive discussion helped in conduction of future activities related to sustainable agricultural practices. A trial kit of Diva Pushti Vardhak, Agricultural bio stimulant (Graduals and Liquid) of Vijasu Ecotech was presented to him for testing purpose on upcoming Rabi crops proposed to be cultivated in JBIT farms.



Fig. 1.1: Interaction with Dr Devendra Singh Rawat, Dean, Agriculture, J. B. I.T., Dehradun

ACTIVITY 2: SDG 8

Title of the Activity: Awareness Program for Farmers on Smart Ecological Farming on 29-Sep-2023.

Need of the Activity: Rural Livelihood Systems, Smart Ecological Farming,

Brief Description (Need/Impact/Action/Picture): An Awareness Program on Smart Ecological Farming was arranged for the farmers from the adopted village. During this program, participants were informed about Data Driven approach for Smart Ecological Farming Practices and about benefits of Divya Pushti Vardhak, Agricultural Bio-stimulant form VijasuEcotech for ensuring Agro ecological Sustainability. The green house with drip irrigation facility shown in the Pictures bellow is developed inside our University Campus for demonstration purpose.



Fig. 1.2: Awareness Program on Smart Ecological Farming

ACTIVITY 3: SDG 3

Title of the Activity: Awareness Program for Student on Health and Hygiene on 28-Nov-2023.

Need of the Activity: Health and Wellness.

Brief Description (Need/Impact/Action/Picture): A workshop on Women Health and Menstrual Hygiene in collaboration with the AyurarogyaSaukhyam Foundation, Ernakulum, Kerala was conducted by Unnat Bharat Abhiyan Cell in the University on 28-Nov-2023. During this workshop, Managing Director of Saukhyam, Smt Anju Bist explained the Economic and Environmental Impact of disposable menstrual pads and suggested use of reusable pad made of banana fibres. This workshop was attended by the students of all academic programs of the University including Women Institute of Technology, Faculty of Technology and Faculty of Pharmacy. UBA Coordinator, Dr. D. S. Gangwar expressed his sincere gratitude towards the experts from the Saukhyam Foundation for conducting workshop on such a sensitive issue. Volunteers from University Community Service Club actively contributed participated in smooth functioning and successful conduction of this workshop.



Fig. 1.3: Images from Workshop



Fig. 1.4: Group Photograph

ACTIVITY 4: SDG 8

Title of the Activity: KVIC People’s Education Program on 16 and 18 March, 2024.

Need of the Activity: Rural Livelihood Systems and PMEGP.

Brief Description (Need/Impact/Action/Picture): The KVIC Education Program organised by the Unnat Bharat Abhiyan Cell and Community Service Club held at VMSBUTU AUDITORIUM was an enlightening experience, bringing together students, educators, and esteemed guests to delve into the realm of entrepreneurship, government schemes, and community service. Dr. Sanjib Roy, the State Director of Khadi and Village Industries Commission, Uttarakhand, spearheaded the event, aiming to foster innovation, knowledge exchange, and social responsibility among the attendees. UBA Coordinator, Dr. D. S. Gangwar elaborated the importance of Entrepreneurship for sustainable development and employment generation.



Fig 1.5: KVIC Peoples Education Program

Dr. Roy, in his keynote address, shed light on the significance of entrepreneurship in today's dynamic world. He emphasized the pivotal role of the Khadi and Village Industries Commission (KVIC) in empowering individuals through various government schemes. His insights inspired students to explore entrepreneurial avenues and leverage government initiatives for economic growth and self-reliance.

Debate and Essay Competition: As part of this event, a spirited debate and essay competition took place, providing a platform for students to articulate their views on pertinent issues. The winners were felicitated with awards, recognizing their exemplary research, critical thinking, and persuasive communication skills. These competitions fostered intellectual discourse and honed students' ability to engage with complex topics.



Fig. 1.6: Debate and Essay Competition

ACTIVITY 5: SDG 10

Title of the Activity: Installation of 100 kW Grid Connected Solar Power Plant in the University Campus.

Need of the Activity: Clean Energy and Climate Action.

Brief Description (Need/Impact/Action/Picture): Installation of a 100 kW Grid Connected Solar Power Plant in the University Campus is in the process. This project is supported by the Uttarakhand Renewable Energy Development Agency (UREDA). This Solar Power Plant will provide electricity for the in-house requirement of the University. Extra generated power will be transferred to the Grid for further utilization.



Fig. 1.7: Installation of rooftop solar power plant

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	To conduct various awareness programs for the underserved community members.
2	Formation of teams, SHGs, FPOs etc. to support villagers in their pursuit for overall development.
3	Interventions to improve Access to Technology, Knowledge and Financial Institutions and to help them in Capacity Building.
4	Interaction with the students and teaching staff from the Government schools.

THDC Institute of Hydropower Engineering & Technology, New Tehri

SDG PROGRESS REPORT: 2023-24

SDG Coordinator's Name : Mr. Dashrath Singh Kathait
 Email : dashraths@thdcihet.ac.in
 Phone Number : 9897825573

S.N.	Information on Identified SDGs
1	Quality Education (SDG 04)
2	Gender equality (SDG 05)
3	Clean Water and Sanitation (SDG 06)
4	Affordable and Clean Energy (SDG 07)

List of Activities:

ACTIVITY 1: SDG 04 ; SDG 06

Title of the Activity: Internal Hackathon-2023

Need of the Activity: Participation in Smart India Hackathon-2023 required the institute to host and internal hackathon for which this event was organized

Brief Description (Need/Impact/Action/Picture): Two proposals were presented by the participating teams which aimed at SDG—04: Quality education and SDG-06 Clean water and sanitation. For SDG-04, team ALGO ALCHEMIST proposed developing a web application named VIDYA (Village Inclusive Digital Youth Advancement) that is also accessible on Android devices. This platform serves the dual purpose of granting access to high-quality education and offering support to teachers and students in rural areas.

For SDG-06, team THE SOLVERS, proposed creating an android & web based application “SAMADHAN” that will educate/aware people about the domestic waste management and will tell them ways to handle it.



Fig. 2.1: Internal Hackathon award ceremony

ACTIVITY 2: SDG 06

Title of the Activity: Awareness Programme on Sanitation and Safe Drinking Water

Need of the Activity: This aim Educating communities about the importance of sanitation practices and access to safe drinking water to promote public health and prevent waterborne diseases.

Brief Description (Need/Impact/Action/Picture): The Sustainable Development Goals Club of THDC - Institute of Hydropower Engineering and Technology organized a campaign on Promoting “Sanitation and Safe Drinking Water” on 9th April 2024 in the nearby village, Bagi, Dibnu. The student delivered speeches in the local language on the topic and discussed the problems with preventive measures. A Nukkad Natak was also performed by the group of students to demonstrate the problems suffered by the people and upcoming generation to save water and maintain hygiene. Encouraging individuals and communities to adopt proper sanitation habits such as hand-washing, proper waste disposal, and toilet usage, as well as to seek and use safe sources of drinking water.



Fig. 2.2:Aman Dangwal Delivering speech to the villagers in local language / Distributing Sanitation Kit to the villagers

ACTIVITY 3: SDG 05

Title of the Activity: Women Hygiene & Cleanliness Awareness Campaign

Need of the Activity: To protect dignity, built confidence and strengthen sexual and reproductive health, particularly among adolescents

Brief Description (Need/Impact/Action/Picture): The Community Service Club of THDC Institute of Hydropower Engineering and Technology organized a campaign on Promoting “Women Hygiene & Cleanliness Awareness Campaign” on 9th April 2024 in the nearby village, Bagi, Dibnu. The student’s delivered speeches in the local language on the topic and discussed the problems with preventive measures. A Nukkad Natak was also performed by the group of students to demonstrate the problems in the lives of adolescents to overcome obstacles related to menstrual health and hygiene interventions. This act was aimto protect dignity, built confidence and strengthen sexual and reproductive health, particularly among adolescents. They also encouraged the villagers to use pads and dispose them in a proper manner to avoid the spread of diseases. In this approach the club also distributed hygiene essentials such as; sanitary pads and masks to women and the villagers to promote the propaganda of health and hygiene. The student’s showed immense hard work and unity. This participation not only

reflects their extracurricular skills but also showcased their public speaking abilities and other social activities.



Fig. 2.3: Women Hygiene & Cleanliness Awareness Campaign

ACTIVITY 4: SDG 07

Title of the Activity: AICTE ATAL Sponsored Faculty Development Programme on “Hydropower & Water Resource Management for Sustainability”

Need of the Activity: The FDP is essential for educators to be equipped with up-to-date knowledge and skills in sustainable water resource management and hydropower, which are critical in mitigating climate change impacts.

Brief Description (Need/Impact/Action/Picture): The FDP is proposed to provide a comprehensive overview of the dynamic interaction between hydropower generation and associated water resource management to achieve sustainability. Through this FDP, participants had gone into the basic principles, practices, and challenges associated with hydropower

generation while ensuring the effective allocation and conservation of water resources. The inauguration of the FDP was done in the presence of Prof. Onkar Singh, Hon'ble Vice Chancellor, VMSBUTU, Dehradun. The resources persons invited in the FDP were: Prof. M. L. Kansal (IIT Roorkee); Prof. S. K. Singal (IIT Roorkee); Prof. M. K. Singhal (IIT Roorkee); Prof. N. K. Agarwal (SRT Campus, Tehri); Dr. R. R. Semwal (THDCIL Tehri); Dr. S. D. Sudarsan (CDAC Bangaluru); Dr. N. K. Agarwal (THDCIL Rishikesh); Dr. Varun Goel (NIT Hamirpur); Prof. Vishnu Prasad (MANIT Bhopal).



Fig. 2.4: ATAL FDP on Hydropower & Water Resource Management for Sustainability

ACTIVITY 5: SDG 04

Title of the Activity: Literary Activities: Essay writing, Skit, Reading and Poem Recitation

Need of the Activity: This activity aimed at encouraging creative expression, critical thinking, and effective communication skills among the participants. It also aimed to foster a stimulating environment that promotes intellectual growth and provides students with a platform to exhibit their talents.

Brief Description (Need/Impact/Action/Picture): As an integral component of the induction programme, a series of literary activities were meticulously organized to encourage creative expression, critical thinking, and effective communication skills among the participants. Following activities were organized:

1. Essay Writing: The essay writing activity was designed to encourage participants to articulate their thoughts and ideas in a coherent and structured manner. Participants were given a range of thought provoking topics to choose from, allowing them to explore diverse subjects. Some of the topics were gender equality, patriotism, impact of cinema on youth and social media platforms. This activity aimed to enhance participants' writing skills, critical thinking, and the ability to present a well-constructed argument.



Fig. 2.5: Essay Writing

2. Skit: The skit activity was organized to foster collaborative creativity and performance skills. Participants were divided into groups and tasked with creating short skits that conveyed meaningful messages or narratives. This activity not only encouraged participants to think imaginatively but also promoted teamwork, as they had to work together to write scripts, create props, and deliver engaging performances.



Fig. 2.6: Skit

3. Reading/Poem Recitation: The reading and poem recitation activities aimed to instill a love for literature and improve participants' reading comprehension. Participants engaged in interactive discussions, sharing their interpretations and insights. These activities not only enhanced their understanding of literary elements but also encouraged them to express their opinions eloquently.



Fig. 2.7: Reading and Poem Recitation

ACTIVITY 6: SDG 04

Title of the Activity: Meri Maati Mera Desh Campaign Activities: Honoring Freedom Fighters (Veeron Ka Vandan)

Need of the Activity: This activity aimed at fostering understanding of patriotism through Azadi Ka Amrit Mahotsav (AKAM) initiative focusing on the activities mentioned for Veeron Ka Vandan under the aegis of Literary Club.

Brief Description (Need/Impact/Action/Picture): In compliance with the directives received from UGC, a series of activities were organized under Meri Maati Mera Desh campaign as part of grand celebration of our nation's 75 years of independence through the Azadi Ka Amrit Mahotsav (AKAM) initiative focusing on the activities mentioned for Veeron Ka Vandan under the aegis of Literary Club. Following activities were undertaken:

Discussions/Extempore/Debate: A discussion on unsung heroes under honoring freedom fighters was organized to instill a deep sense of patriotism among students. Students enthusiastically participated and shared their insightful perspectives, and shared their views on the sacrifices made by the freedom fighters. Extempore speeches were also organized where students shared their valuable thoughts with all. Participants were encouraged to deliver impromptu speeches on the lives and contributions of various freedom fighters.

Debate was also organized where students were deliberating the impact of unsung heroes and their relevance in contemporary times. It promoted critical thinking and encouraged students to analyze various aspects of the freedom struggle.



Fig. 2.8: Discussion



Fig. 2.9: Extempore Speeches

ACTIVITY 7: SDG 04

Title of the Activity: Bhartiya Bhasha Utsav

Need of the Activity: These activities aimed at celebrating linguistic diversity of India and fostering youth connections.

Brief Description (Need/Impact/Action/Picture): In adherence to AICTE directives, the institution observed Bharatiya Bhasha Diwas on Subramania Bharathi's birthday, celebrating linguistic diversity and fostering youth connections. The festivities, spanning 75 days from September 28th to December 11th, centred on the essence of Indian languages.

At THDC-IHET, the Bharatiya Bhasha Utsav was also organized by Literary Club in online and offline mode, engaging students. A medley of activities, including poem recitations, speeches, language quizzes, and essay writing, took place. Students' enthusiastic participation across multiple languages added vibrancy and cultural depth to the celebration.



Fig. 2.10: Quiz & Bhartiya Bhasha Mahotsav

ACTIVITY 8: SDG 05

Title of the Activity: Group Discussion (GD) and Just a Minute (JAM) session

Need of the Activity: These activities aimed at making students effective in communication skills and promoting discussions on gender equality.

Brief Description (Need/Impact/Action/Picture) : On May 7, 2024, the Literary Club of THDC-IHET organized an innovative program aimed at promoting discussions on gender equality. In the first session, a group discussion on the role of education took place, with active participation from students. Collaborating with the institution's gender champions, students expressed their views on gender equality and suggested ways to eliminate inequality in society. Following this engaging discussion, a dynamic "Just a Minute" (JAM) session was held, where participants demonstrated their spontaneous speaking skills on given topics. The enthusiasm of the students was clearly felt throughout the program. To recognize outstanding performances, inspirational books were awarded to the first, second, and third winners of both the group discussion and JAM session. The program was coordinated by Dr. Richa Bijalwan, the Literary Club Coordinator. It was a successful event, with students actively participating and contributing to meaningful discussions on gender equality.



Fig. 2.11: Group Discussion

ACTIVITY 9: Major project on mapping with SDG's carried out by different departments

ECE Final Year, Major Project Details

Group No.	Student Name	Roll No.	Supervisor	Project Title	Mapping with SDG
G1	Ayush badola	710970102002	Mr. Mahesh Kumar Aghwariya	3D Scanner Machine using Arduino	SDG-9. Industry, Innovation, and Infrastructure.
	Alok kumar singh	200970102003			
	Harsh joshi	200970102004			
G2	Ajay Singh	200970102002	Mrs. Anoopshi Johari	Solar Powered Grass cutter and Pesticide Spreading Robot	SDG-9. Industry, Innovation, and Infrastructure.
	Abhishik Saini	200970102001			
	Hritik Saini	200970102005			
	Tushar Dhiman	200970102009			
G3	Mohd Alzaki	200970102006	Dr. Lokesh Singh Panwar	Fire Fighting Robot	SDG-9. Industry, Innovation, and Infrastructure.
	Ankit Negi	710970102001			
	Shashank Bisht	200970102008			
G4	Mukul rawat	710970102003	Mr. Rajwardhan Arya	Smart Crop Protection	SDG-9. Industry, Innovation, and Infrastructure.
	Vishant chauhan	710970102004			
	Yask rawat	200970102010			
	Satyam tyagi	200970102007			

Project Allotted to 3rd year students for Final Year Major Project

Group No.	Student Name	Roll No.	Supervisor	Project Title	Mapping with SDG
G1	Krishna Raj Gautam	210970102001	Mr. Manish Parmar	Solar power based charging	SDG 7, Affordable and clean energy
	Sakshi Bisht	210970102002			

Group No.	Student Name	Roll No.	Supervisor	Project Title	Mapping with SDG
	Shivam Verma	210970102003		station and power backup unit.	
G2	Yogesh Butola	210970102004	Mr. Rajwardhan Arya	Develop a renewable energy management system that optimizes the utilization of solar and wind power	SDG 7, Affordable and clean energy
	Nitish Chand	720970102001			
	Rishabh	720970102002			
	Udit Raj	720970102003			

EE Final Year, Major Project Details

S.N.	Project Title	SDG
1	Impact of Solar PV System In Distribution System	7
2	Advance Metering System	7
3	Automated Fault Detection and Isolation in transmission line	7
4	IoT based smart agriculture monitoring system project	7
5	Battery Management System of EV for charge monitor and fire extinguisher	7

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Fostering Gender Equality- Conducting activities to foster gender equality promotes empowerment, and dismantles stereotypes, leading to a more just and balanced society.
2	Awareness Programme on Energy Conservation and Electricity Usage- Conducting an awareness program on energy conservation and electricity usage educates on reducing waste, saves costs, and protects the environment.
3	Addressing Educational Inequality- Conducting activities to address educational inequality ensures equal opportunities, enhances social mobility, promotes fairness, and nurtures a more educated society.
4	Transforming Waste into Garden Gold: Creative and Decorative Innovations (SDG 8 Decent work and innovative growth)
5	Awareness Campaigns for Dispelling Social Myths (SDG 3 Good Health And Well-Being)
6	Empowering Communities through Basic Education (SDG 4 Quality Education)
7	Authentic Distribution of Unused Clothing and Footwear to Underprivileged Members (SDG 12 Responsible Consumption and Production)

SDG PROGRESS REPORT: 2023 24

SDG Coordinator's Name : Mrs. Anshu Tyagi
 Email : amritlawcollege@rediffmail.com
 Phone Number : 9910070444

S.N.	Information on Identified SDGs
1	Goal 3: Good Health and Well-Being
2	Goal 4: Quality Education

List of Activities

ACTIVITY 1: SDG 03

Title of the Activity: Medical Camp and distribution of General Medicine - The medical camp organized by Amrit Law College, Dhanauri Roorkee was held on 31 March 2024 in College Campus. The main objective was to provide health services to peoples of nearby village, poor communities and distribute essential generic medicines.

Need of the Activity:

- To provide medical consultation and primary health care to people who do not have regular access to health services.
- Distribution of common use basic regular medicines and checkup or treatment of common health problems.
- Creating awareness about preventive health measures and promote health education in the area.

Brief Description (Need/Impact/Action/Picture) : The medical camp started with registration followed by medical consultations led by experienced health professionals including doctors, nurses and pharmacists. Patients received personal attention, medical care and prescriptions when needed. In addition, free general medicines for diseases such as fever, cold, infections and pain relievers were distributed to the participants.

Impact: The medical camp successfully served to many peoples of nearby area. Various health problems. Many beneficiaries expressed gratitude for the health services available, emphasizing the importance of the camp in meeting their medical needs. In addition, the distribution of generic drugs helped alleviate symptoms and improve the overall health impact of the community.



Fig 3.1 : Blood Donation Camp

ACTIVITY 2: SDG 04

Title of the Activity: Poster making for awareness of Peace, Justice and Strong Institutions. To raise awareness about the importance of peace and justice in society, “Amrit Law College, Dhanauri Roorkee” organized poster making competition in institute campus on 17 February 2024. Main role of poster making competition is promoting peaceful and inclusive societies, providing access to justice for all and building effective, accountable and inclusive institutions at all levels. People everywhere should be free of fear from all forms of violence and feel safe as they go about their lives whatever their ethnicity.

Need of the Activity:

- i. This Peace, Justice and Strong Institutions themed display poster is ideal for introducing learners to the Global Goal for Sustainable Development.
- ii. This poster display material will reinforce the goal and help to start a discussion on the topic and the wider Global Goals with your class. Students could use the poster as a visual prompt and ask learners to share their existing knowledge of Peace, Justice and Strong Institutions.
- iii. To inform the community about the importance of peace and justice in building a united society.

Brief Description (Need/Impact/Action/Picture) : Participants were invited to create posters depicting themes related to peace, justice, human rights and social harmony. These posters are powerful visual tools to communicate messages of solidarity and compassion. This Goal aims to promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels. Peace, stability, human rights and effective governance, based on the rule of law, are central to the realization of child rights, and a prerequisite for sustainable development. Governments can offer the first line of protection: birth registration systems give children claim to vital social services, equitable justice systems and other forms of child protection.

Impact: The SDGs aim to significantly reduce all forms of violence, and work with governments and communities to find lasting solutions to conflict and insecurity. Strengthening the rule of law and promoting human rights is key to this process, as is reducing the flow of illicit arms and strengthening the participation of developing countries in the institutions of global governance.



Fig 3.2 : Blood Donation Camp

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Yoga Session on International Yoga Day (21 June 2024).
2	Legal Awareness Visit.
3	Guest Lecture on Constitution Day (26 November 2024).

College of Pharmacy, Shivalik Campus, Dehradun

SDG PROGRESS REPORT: 2023-24

SDG Coordinator's Name : Dr Sayantan Mukhopadhyay
 Email : principal@copdoon.org
 Phone Number : 9760798596

Sr. No.	Information on Identified SDGs
1	Quality Education SDG 4
2	Good Health and Well-Being SDG 3
3	Gender Equality SDG 5

List of Activities:

ACTIVITY 1: SDG 04

Title of the Activity: Expert Lecture on “Role of Pharmacists in the Modern Healthcare System”

Need of the Activity: Expert Lecture on “Role of Pharmacists in the Modern Healthcare System” was conducted by the Department with the aim to know different roles of Pharmacist in different sectors of pharmacy profession like Industrial, academics, community health, clinical research, drug design and discovery, developing NDDS etc

Brief Description (Need/Impact/Action/Picture): College of Pharmacy Shivalik Campus had organised the Expert Lecture on “Role of Pharmacists in the Modern Healthcare System” on 11th August, 2023. Dr. Deepak Uniyal, Production Manager, Cadilla Healthcare, Haridwar) provided a comprehensive view of the modern roles of pharmacists within the healthcare sector. With the ever-evolving landscape of medicine and patient care, he emphasized how pharmacists play pivotal roles in bridging the gap between healthcare providers and patients.



Fig 4.1 : Dr. Deepak Uniyal, Production Manager, Cadilla Healthcare, Haridwar

ACTIVITY 2: SDG 04

Title of the Activity: Expert Lecture on Entrepreneurship and Industry Awareness by Mr. Ramraj Rathor

Need of the Activity: Expert Lecture on Entrepreneurship and Industry Awareness by Mr. Ramraj Rathor, General Manager, Quality Assurance Uni Medico Labs, Selaqui was organised on August 12, 2023 with the aim to inspire and educate students and participants about the fundamentals of entrepreneurship, provide insights into current industry trends, and equip them

with the knowledge and skills necessary to navigate and succeed in the entrepreneurial landscape.

Brief Description (Need/Impact/Action/Picture): Mr. Ramraj Rathor, in his expert talken courage the participants to think creatively and innovatively. He provided the knowledge on Entrepreneurship and explained the key concepts and principles of entrepreneurship. His profound insights into business start-ups, strategy formulation, and quality assurance were complemented by a detailed discussion on evolving industry trends. Attendees were encouraged to think critically about potential entrepreneurial ventures and were provided with a robust understanding of the industry landscape.



Fig 4.2 : Expert Lecture on Entrepreneurship and Industry Awareness by Mr. Ramraj Rathor

ACTIVITY 3: SDG 04

Title of the Activity: Webinar on Novel Innovative ways to prepare for GPAT & NIPER Competitive Examination

Need of the Activity: The webinar is to provide students with innovative and effective strategies to prepare for the Graduate Pharmacy Aptitude Test (GPAT) and the National Institute of Pharmaceutical Education and Research (NIPER) entrance examination. The webinar seeks to enhance the participants' understanding of the exam formats, equip them with novel study techniques, and boost their confidence to achieve high scores.

Brief Description (Need/Impact/Action/Picture): Webinar on "Novel Innovative Ways to Prepare for GPAT & NIPER Competitive Exams," organized by College of Pharmacy, Shivalik Campus in association with Pharmaelite on 14/10/2023. Ms. Bhakti Mahendra Kubal, an esteemed GPAT expert affiliated with Pharmaelite, was the Resource Person. The webinar has been organized to provide valuable insights, expert guidance, and innovative strategies to conquer the challenges posed by the competitive exams like GPAT (Graduate Pharmacy Aptitude Test) and NIPER. More than 100 students participated in the webinar.

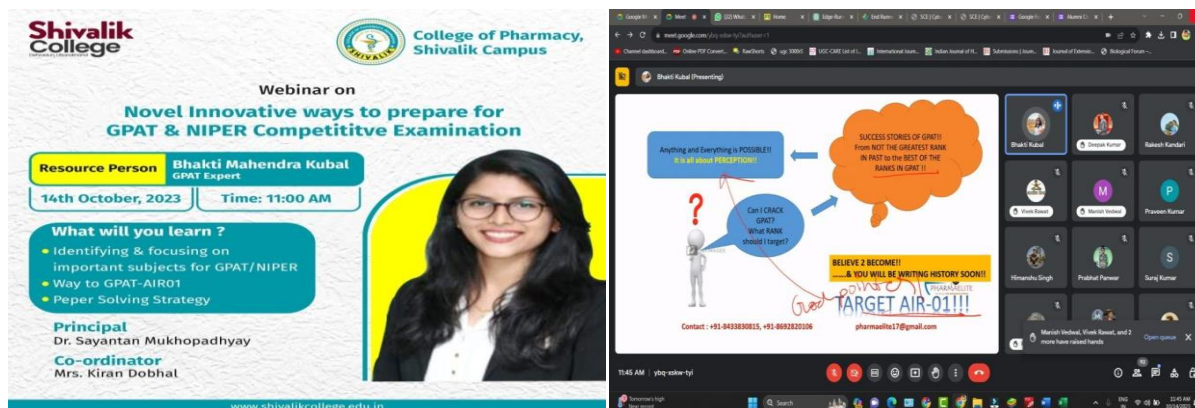


Fig 4.3 : Webinar on Novel Innovative ways to prepare for GPAT & NIPER Competitive Examination

ACTIVITY 4: SDG 04

Title of the Activity: Seminar on Current Issues in IPR in India and Abroad

Need of the Activity: The need of the seminar was to create awareness about IPRs, especially patents and copy rights among faculty members, students and to guide researchers/inventors in respect of patenting their inventions & to provide insight into practical applications of IP such as patent drafting, patentability search and freedom to operate search, validity/invalidity search, and evidence of use analysis.

Brief Description (Need/Impact/Action/Picture): College of Pharmacy, Shivalik Campus had organized a Seminar on “Current Issues in Intellectual Property Rights in India and Abroad” on 4th December, 2023 in association with IQAC and Research and Promotion Cell. The Seminar proved to be an insightful forum for discussion of IP developments and their application in India and Abroad. The Seminar comprised keynote Speaker, Mr. Himanshu Goel, Scientist PIC, UCOST and Dr. Sunil Kumar, Founder & Managing Director, Pomato IP (ignite your idea), Nottingham, England, Dr Kuldeep Panwar, Director IQAC, SGOC and Dr. Santosh Joshi, Dean Research, SGOC. More than 130 participants had joined the session.

Chief Guest, Mr. Himanshu Goel, explained overview on IPR and explained the various related terms such as Patents, Trademark and Copyrights, he also talked about IP Commercialization, Modes of Licensing, IP valuation, Drafting and Employment Agreements, Preventive Measure for Beach of code of Agreement by Employees. He said that it is aware that Pharmaceutical Industry is a prime source of medical innovation and in such Companies intellectual property is indeed most valuable resource which contributes significantly. Next session was conducted through Google Meet by Mr. Sunil Kumar, Managing Director, Pomato IP (ignite your idea), Nottingham, England gave a wonderful class on IPR and shared his life experiences with the students. Students were taught on how IPR restricts copying others ideas and how this will help the development of new ideas for the betterment of the society. The wealth of patents in developed countries like USA, Japan and Europe were compared with Indian status, a focus of the important of commercialization of patents was projected.



Fig 4.4 : Keynote Speaker, Mr. Himanshu Goel, Scientist PIC, UCOST during the Seminar

ACTIVITY 5: SDG 04

Title of the Activity: Industrial Visit

Industrial Visit/ Hospital/Educational visit	Date of visit
IPCA Laboratories, Dehradun	14 Aug, 2023
Educational visit to Patanjali Herbal Garden, Haridwar	06 Oct, 2023
Industrial Visit to Tirupati Medicare, Paonta Sahib, HP	06 Nov, 2023
Subharati Hospital, Dehradun	22 Feb, 2024

Need of the Activity: The primary aim of industrial and educational visits is to bridge the gap between theoretical knowledge and practical application by exposing students to real-world environments in industries and educational institutions. These visits aim to enhance students' understanding of their field of study, provide insights into professional practices, and foster a holistic learning experience.

Brief Description (Need/Impact/Action/Picture): College of Pharmacy, Shivalik Campus organized an Industrial Visit to IPCA Laboratories LTD, Selaqui, Dehradun on 14th of August 2023. Total 94 students of B Pharm 2nd year visited the company. During the visit the students visited company's storage, manufacturing area, packaging and Labs. They were explained about different varieties of processes in the plant, the visit was very fruitful and students got good knowledge of the medicines from the experts. Students also gone through the different processes in manufacturing like Granulation, Compression, Coating, Primary and Secondary Packing. The HR Manager of IpcA Laboratories LTD, Selaqui, Dehradun Mr. Arvind Agarwal also interacted with the students and told about different solid dosage form manufactured in the plant and journey of IpcA Laboratories LTD. College of Pharmacy, Shivalik Campus, Dehradun Organizes an Industrial visit to Tirupati Medicare, Paonta, Himachal Pradesh on 6th of November 2023. Total 55 students of B Pharm .3rd year visited the company. The HR Department interacted with the students and explained about the working culture of the industry. During the visit, the students visited production unit, QA, QC, packaging unit and warehouse department of the industry. College of Pharmacy, Shivalik Campus, Dehradun Organized an Educational visit to Patanjali Herbal Garden at Patanjali Yogpeeth, Haridwar on 6th Oct, 2023. 88 students from B. Pharmacy and D. Pharmacy visited the Patanjali Herbal Garden at Patanjali Yogpeeth, Haridwar. This educational visit provided an immersive and informative experience for pharmacy students regarding medicinal plants. The visit emphasized the significance of herbal and Ayurvedic practices in modern pharmaceutical science while promoting a deeper understanding of sustainable cultivation and environmental conservation. Students gained a deeper understanding of the role of natural remedies and herbal products in modern healthcare. They witnessed sustainable cultivation practices and their importance in pharmaceutical science. During this visit, students interacted with experts in gardening and the cultivation of herbs to learn about medicinal plants' properties and uses, emphasizing the significance of preserving biodiversity and environmental sustainability.



Fig 4.5 : Industrial Visit/ Educational visit

Title of the Activity: Hospital Visit to Subharati Hospital

Need of the Activity: Hospital visits allow pharmacy students to observe and understand the daily operations and functions of a hospital. They can observe pharmacists collaborating with other healthcare professionals, dispensing medications, reviewing patient profiles, and providing drug information.

Brief Description (Need/Impact/Action/Picture): A Hospital Visit to Subharati Hospital, Dehradun was organized by College of Pharmacy, Shivalik Campus on Thursday, February, 22, 2024. 50 students and two faculty visited Hospital, Dehradun. Ms. Bhawna Sharma, Patient Relationship Manager, Ms. Neelam Tewari, PRO and Ms. Kanti, Pro interacted with students and helped them to visit Different departments of the hospital like Paediatrics, Medicine, Surgery, ICU, ICCU, IN-OUT Patient Pharmacy, Pharmacovigilance department, pathology lab, Radiology department, blood bank, operation theatre, emergency services. Practical knowledge of First aid treatment, prescription reading, dispensing procedure, various method of injection was shared by hospital staff.

Three group of students was made for a visit to the different departments of the hospital. In the end, students also visited pharmacy store, where they learned about the actual storage, purchasing and billing of drugs to patients, the special precautions for storage of narcotic drugs. Students are also guided regarding the role of Hospital Pharmacist in the overall health management, drug distribution systems, inventory management and medication errors.

Various health related protocols were explained and working of the CT scan machine and X-ray was shown. Ward setup for patients was observed and the various manpower required in the hospital and their roles and responsibilities at various levels also understood. At the end Students, Dr. Ankit Sharma, Assistant Professor, College of Pharmacy, Shivalik Campus, Mrs. Akanksha Semwal, Associate Professor, College of Pharmacy, Shivalik Campus presented the Vote of thanks towards the whole management of Subharati Hospital visit.



Fig 4.6 : Hospital Visit/ Educational visit

ACTIVITY 6: SDG 04

Title of the Activity: Workshop/Exhibition/Quiz Competition

Workshop/Exhibition	Date of Event
National Science Day "Fun with Chemistry and Scientific Exhibition"	28 Feb 2024
International Webinar on Regulatory Affairs	29 April 2024
Hands on Training: One Lab One Instrument Method	30 April 2024

Need of the Activity: The primary aim is to bridge the gap between theoretical knowledge and practical application by exposing students to science, fueling our curiosity and passion for discovery.

Brief Description (Need/Impact/Action/Picture): Reflecting on an incredible National Science Day 2024 celebration Our "Fun with Chemistry and Scientific Exhibition," organized by the College of Pharmacy, was a resounding success. A heartfelt thank you to our Chief

Guest, Prof. (Dr.) Versha Parcha, for gracing us with her presence and sharing her invaluable insights. Together, we explored the wonders of science, fueling our curiosity and passion for discovery.



Fig 4.6 : National Science Day "Fun with Chemistry and Scientific Exhibition"

Need of Activity: This lively interaction underscored the keen interest of the participants in the field of drug regulatory affairs and highlighted the importance of such webinars in fostering knowledge exchange and collaboration.

Brief Description (Need/Impact/Action/Picture): On April 29, 2024, the College of Pharmacy at Shivalik Campus, Dehradun hosted an international webinar on Drug Regulatory Affairs. The keynote speaker, Mr. Guriqbal Singh, shared his insights and expertise with a diverse audience comprising students, faculty members, and industry professionals.

The program commenced at 7:30 PM IST, opened by Mrs. Akanksha Semwal who introduced the topic and the keynote speaker, setting the stage for the insightful discussion that followed. Mr. Guriqbal Singh delved into a wide range of topics pertaining to drug regulatory affairs, including its significance, ICH guidelines, and the drug approval process, encompassing both preclinical and clinical studies. His presentation provided valuable information and perspectives to the audience.

The discussion prompted active participation from the attendees, who asked thought-provoking questions and shared their perspectives on the subject matter. The webinar concluded with a vote of thanks delivered by the Head of Department, Mr. Amit Semwal, who expressed gratitude to all participants, especially Mr. Guriqbal Singh, for their valuable contributions. Overall, the event was a resounding success, providing a platform for meaningful discussions and insights into the dynamic field of drug regulatory affairs.

Shivalik College

College Of Pharmacy, Shivalik Campus

INTERNATIONAL WEBINAR

"DRUG REGULATORY AFFAIRS"

29 APRIL 2024

07:30PM ONWARDS

Mr. Guriqbal Singh
Director, Regweb Consulting Services Inc. Embrun, Ontario, Canada.
(Regulatory & CMC Professional Services)

Last Date of Registration- 28th April, 2024

No Registration Fee

www.shivalikcollege.edu.in

SCAN FOR REGISTRATION

Fig 4.7: Drug Regulatory Affairs

Need of the Activity: The training provided an excellent platform for students to gain practical skills in handling sophisticated instruments.

Brief Description (Need/Impact/Action/Picture): The College of Pharmacy at Shivalik Campus, Dehradun, organized a hands-on training session titled "One Lab One Instrument Method" on 30 April 2024. The event was designed to provide pharmacy students with practical experience and a deeper understanding of various instruments used in pharmaceutical sciences.

Objectives

The primary objectives of the training were:

To familiarize students with advanced laboratory instruments.

To provide practical exposure to the operational techniques of these instruments.

To enhance students' skills in handling and troubleshooting laboratory equipment.

To bridge the gap between theoretical knowledge and practical application.

The hands-on training on the One Lab One Instrument Method was a resounding success. It not only enhanced the practical skills of the pharmacy students but also motivated them to pursue further research and specialization in pharmaceutical sciences. The College of Pharmacy, Shivalik Campus, aims to continue such initiatives to bridge the gap between academia and industry and to equip students with the necessary skills for their professional careers.



Fig 4.8: Workshop (Hands on Training)

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Industrial tour for various department to meet the industrial need.
2	Hand on workshop on various Instrumental tool to provide quality education.
3	Ensure inclusive, equitable and quality education and promote lifelong learning opportunities for all.
4	Organize Faculty Development Programme/ Staff Development Programe which will provide Qualified and Trained Teachers
5	Promote active learning pedagogy

ACTIVITY 1: SDG 03

Title of the Activity: Workshop on Knowledge, Attributes and Career Prospective in Pharmacovigilance

Need of the Activity: The primary aim of the workshop is to provide participants with a comprehensive understanding of pharmacovigilance, including its importance, key concepts, necessary skills, and career opportunities. The workshop seeks to equip attendees with the knowledge and attributes required for a successful career in pharmacovigilance.

Brief Description (Need/Impact/Action/Picture): On 21st September, the College of Pharmacy, Shivalik Campus, hosted an expert lecture as part of the 3rd National

Pharmacovigilance Week. Mr. Bipin Prakash Tamta, a Pharmacovigilance Associate at the Indian Pharmacopoeia Commission, delivered the talk on "Knowledge, Attributes and Career Prospective in Pharmacovigilance."

Mr. Tamta emphasized the importance of pharmacovigilance in ensuring medicine safety, which in turn impacts public health and confidence. He highlighted the necessary skills for the domain, including analytical abilities, attention to detail, and soft skills. The lecture culminated in discussing career opportunities in pharmacovigilance, followed by a Q&A session. The event was well-received, enriching participants with a deeper understanding of the field.



Fig 4.9: Mr. Bipin Prakash Tamta addressing the participants during the 3rd National Pharmacovigilance Week

ACTIVITY 2: SDG 03

Title of the Activity: Blood Donation Camp and Awareness Program on the occasion of World Pharmacist Day

Need of the Activity: The primary aim of the blood donation camp and awareness program on World Pharmacist Day is to promote the importance of blood donation, raise awareness about its critical role in saving lives, and celebrate the contributions of pharmacists in healthcare. The program seeks to encourage voluntary blood donation, educate the community about its benefits, and highlight the vital role of pharmacists in public health.

Brief Description (Need/Impact/Action/Picture): On 25th September 2023, the College of Pharmacy celebrated World Pharmacist Day, themed "Pharmacist Strengthening Health Systems: Angdan -Mahadan". The celebration highlighted the essential role of pharmacists in healthcare, featuring a series of engaging and informative activities.

The day initiated with a Blood Donation Camp in collaboration with IMA Blood Bank, Dehradun, followed by an inaugural ceremony. Principal COP, Director SCE and Hon'ble MLA Uttarakhand, Shree Sahdev Singh Pundir Ji, graced the event with their inspiring speeches.



Fig 4.9: Blood Donation Camp & Public Awareness Rally for Health and Well being

ACTIVITY 3: SDG 03

Title of the Activity: NBEMS CPR Awareness Program

Need of the Activity: The primary aim of the NBEMS (National Board of Examinations in Medical Sciences) CPR Awareness Program is to educate and train individuals on the importance and techniques of Cardiopulmonary Resuscitation (CPR). The program seeks to empower participants with the skills and confidence needed to perform CPR in emergency situations, ultimately contributing to increased survival rates for cardiac arrest victims.

Brief Description (Need/Impact/Action/Picture): College of Pharmacy successfully completed the NBEMS CPR Awareness Program conducted virtually on December 6, 2023. The objective of the session was on essential lifesaving skills. Participants were engaged in a comprehensive CPR training experience, facilitated through a blend of expert-led demonstration videos. The virtual format not only ensured maximum participation but also underscored our commitment to integrating technology in education and health awareness.



Fig 4.10: Videos on essential lifesaving skills techniques of Cardiopulmonary Resuscitation

ACTIVITY 4: SDG 03

Title of the Activity: Field Visit to Villages of Bhadraaj Valley

Brief Description (Need/Impact/Action/Picture): Field Visit to Villages of Bhadraaj Valley-Kotra, Nahar, Koti, and Dhalani, was conducted by the Research Committee, College of Pharmacy for the Pharmacy students on 5 April 2024.

The objectives of this visit was -

- To conduct a survey on the medicinal plants found in this region
- To collect the local information regarding the use of medicinal plants in this region.

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Ensuring healthy living and promoting the well-being for all
2	Organizing Health Camps and awareness programs in schools
3	Organizing Health Check-up camps and awareness program in society as out reach program

ACTIVITY 1: SDG 05

Title of the Activity: Value added Course for students on Gender Equality

Need of the Activity: The primary aim of the value-added course on gender equality is to educate students about the importance of gender equality, promote understanding and respect for gender diversity, and empower them to become advocates for gender equality in their personal and professional lives. The course seeks to create an inclusive learning environment that fosters equality and challenges gender-based discrimination and stereotypes.


Brief Description (Need/Impact/Action/Picture): College of Pharmacy had introduced the value added Course on Gender Equality for the students. It was 30Hours course and after the completion, students will be given certificate.

About the Department

College of Pharmacy was established in the Year 2019, with the vast, clean and green campus of Shivalik Group of Colleges with the vision to become a globally recognized brand in education and research in Pharmaceutical Sciences for the benefit of the students. The Institute is approved by Pharmacy Council of India (PCI) and affiliated to UTU. The Institute prepare its students to become Pharmacist and Pharmaceutical Scientist who will be leaders in Pharmacy profession. It is the golden opportunity for the students having an inclination towards the field to attain knowledge.

Pharmacy is a versatile, dynamic, growing, and increasingly diverse profession, one which creates excitement because there are so many opportunities for service.

As the Pharmacist represent the 3rd largest healthcare professional group in the world and the increasing number of Pharmaceutical Industry, community pharmacies (Retail Pharmacy Shop), Hospitals Pharmacy Educational Institute, new Drug Research centers all over India are clear indication of the growing demand of Pharmacy professionals and Pharmacist.




Value-Added Courses

Value-Added courses are part of the curriculum designed to provide necessary skills to increase the employability quotient and equipping the students with essential skills to succeed in life.

College of Pharmacy offers a wide variety of Value Added Courses which shall be conducted on regular basis during the curriculum. These courses shall be conducted by experts or in-house faculty and help students stand apart from the rest in the job market by adding further value to their resume. These value added courses will be mostly independent to each type of the fields.

Objectives of the Value Added Course

- To provide students an understanding of the expectations of industry.
- To improve employability skills of students.
- To bridge the skill gaps and make students industry ready.
- To provide an opportunity to students develop their inter-disciplinary skills.
- To mould students as job providers rather than job seekers.



College of Pharmacy

Department of Pharmacy offers

Value Added Course on Gender Sensitization (VACBPH004)




Fig 4.11: Brochure Value added Course for students on Gender Equality

Next action plan:

S.N.	Activity to be conducted(along with reason)
1	To conduct workshop to create awareness among the participants regarding Gender Equality.

INSTITUTE OF MANAGEMENT STUDIES, ROORKEE

SDG PROGRESS REPORT: 2023 24

SDG Coordinator's Name : Mr. Kaushal Kishore Sharma
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S.N.	Information on Identified SDGs
1	Goal 4: Quality Education
2	Goal 5: Gender Equality

List of Activities

ACTIVITY 1: SDG 04:

Title of the Activity: Technical Fest “SPARK – 2024”

Need of the Activity: Quality Education

Brief Description (Need/Impact/Action/Picture): A Technical Fes “ SPARK – 2024” was organized at Institute of Management Studies (IMS) – Roorkee for the students of Computer Science on 08th – 09th April 2024. This event brings together students and faculty members from computer science to showcase their innovative ideas and technical skills. It is an excellent platform for computer science students to showcase their knowledge and talents beyond academics. The purpose of the technical fest is to promote and nurture the innovative spirit among students and to provide them with an opportunity to showcase their technical skills. The events of “Spark – 2024” were: 1. Paper Presentation, 2. Web page Development, 3. Language Coding Test and 4. Technical Quiz. The event was inaugurated by the Director of the Institute Dr. D. Baby Moses, where she addresses the students and motivate them to show their talent and innovation skills, she congratulates the students and the faculty members of the IMS – R computer science department. The members of the organizing committee were Mr. Manoj Sharma, Mr. Qamar Alam, Mrs. Megha Rana and Mrs. Supriya Vats.



Fig 5.1 Technical Fest “Spark – 2024”

ACTIVITY 1: SDG 05

Title of the Activity: Essay Writing Competition

Need of the Activity: Gender Equality

Brief Description (Need/Impact/Action/Picture): On the occasion of International Women’s Day i.e. 8th March 2024, our college organized an essay competition centered around pivotal theme “The Role of Women in Modern Society.” This event aimed to foster critical thinking among students regarding the multifaceted contributions of women in today’s world. The competition received enthusiastic participation of 32 students across various disciplines, highlighting the significance of the topic. Winners were awarded with trophies and certificates by honorable Director, Dr. D. Baby Moses.

ACTIVITY 2 : SDG 05

Title of the Activity: Annual Sports Meet

Need of the Activity: Gender Equality

Brief Description (Need/Impact/Action/Picture): IMS-ROORKEE hosted its Annual Sports Meet, 2024 from 19th to 23rd February, 2024. Annual Sports Meet is one of the most awaited event of the year. The students not only get a break from their academics but they also get to participate in various sports where they get to apply their knowledge into the Sports field. The event started with the inauguration Ceremony in which Director, Dr. D. Baby Moses cut the ribbon and wished all the best to all participants. Outdoor Games - Cricket, Badminton and Volleyball were held on the ground in the morning. Indoor Games - Carom and Chess were also conducted side by side in Block-A building. Boys and Girls participated in good numbers in all the Indoor and Outdoor games. On the last day, all the participants were awarded by the certificates. Girls have done excellent in all the games. Winners of all games were awarded by the Trophies and Medals along with the certificates. All students, faculty members and other staff members enjoyed the event fully.



Fig 5.2 Annual Sport Meet

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Goal 4: Quality Education
2	Goal 5: Gender Equality

Institute Of Technology, Baun, Uttarkashi

SDG PROGRESS REPORT: 2023 24

SDG Coordinator's Name : Mr. Naval Kishor Rawat
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S. N.	Information on Identified SDGs
1	SDG-4 (Quality Education)
2	SDG-06 (Clean Water and sanitation)
3	SDG-13 (Climate Action)

List of Activities:

ACTIVITY 1: SDG 13

Plantation in college campus with personnel of ITBP and College staff.

Need of the Activity: for clean Environment and to address Climate Change and global warming issue.

Brief Description (Need/Impact/Action/Picture): 13TH September 2023 our institute conducted a plantation program with the help of ITBP.

- 1- The need for the program is to address the climate change and global warming.
- 2- The plantation process is one of the ways to reduce the global warming as the trees are the good agent for sequestering the greenhouse gases and they are the sink of the GHGs.
- 3- Assistant commander of ITBP and Director of IT Baun participated in this and all the college staff with ITBP personnel are took the initiative forward.



Fig 6.1 Plantation in College Campus

ACTIVITY 1: SDG-6

Installation of water purifier in college for drinking purpose.

Need of the Activity: The drinking water is most important thing and it must be clean as we know that most of the diseases happen due to contaminated water.

Brief Description (Need/Impact/Action/Picture): Two water purifier with cooler are installed in the college for drinking water.



Fig 6.2

ACTIVITY 1: SDG 04

Guest lecture by Mr. Himanshu Bahuguna on the skill required for CSE students.

Need of the Activity: In the growing age of competition and AI what are the extra skills that a student has to develop to get the edge.

Brief Description (Need/Impact/Action/Picture): 8th October 2023, Mr. Himanshu Bahuguna gave a lecture to CSE 1st year student on the required skill in the field of technology.

- 1- The need for the program is to address the issue that only learning is not important student must contain some skills.
- 2- Mr. Bahuguna, who is a staff software engineer in Cohesity, based in Edmonton, Canada tells student that IT sector is full of opportunity but one must have something new to offer which you only offer if you have some basic skills.
- 3- He talks about different projects and how to work ethic and skill are required to achieve them.



Fig 6.3 Mr. Bahuguna during his lecture

ACTIVITY 2: SDG 04

Guest lecture by Mr. Arun Singh on the how to build RESUME.

Need of the Activity: In the growing age of competition and AI the first thing by which one got impressed is Resume.

Brief Description (Need/Impact/Action/Picture): 8th November 2023, Mr. Arun Singh gave a lecture to CSE 1st year student on how to built your RESUME effective.

- 1- On 8thNov, 2023 Mr. Arun Singh gave an insight to students about how to build Resume more effective.
- 2- He told students about the selection procedure in the short listing of students on internship or any job.
- 3- He also put insight on the working culture in IT industry and told about how much important is work ethics and discipline.



Fig 6.4- Mr. Singh during his lecture

ACTIVITY 3: SDG 04

Visit of College Faculty in different schools for future guidance and role of Education.

Need of the Activity: In the growing age of competition student of hilly area must not feel that they are not equipped to face the outside challenges and what are the choices they have and how they build confidence our Institute started this initiative.

Brief Description (Need/Impact/Action/Picture): 10th December 2023 onward for complete one month our institute's faculty and staff visited the schools in nearby area to know about their problem and guide them about how to resolve them, what are the future opportunity they have.

- 1- The programme started with first visit in KV Uttarkashi and then we cover more than 50 schools in the nearby area interacts with more than 500 students and know about their future goals and tell them what they need to achieve them.
- 2- We interact with more than 50 students ask them about the challenges they faces and work on resolving them with collaboration.
- 3- We interact with parents also tell them about the Institute and opportunity in the field of IT.

- 4- We come to know about scope of Civil Engineering in the area and tell it to our honourable Director sir.
- 5- On the effort of our director sir with the vision and guidance of VC sir Institute is also starting Civil Engineering.



Fig 6.5 Visit of Institute's Faculty

ACTIVITY 4: SDG 04

Director sir addressing the children of Rishi Ram School and guiding them for future opportunity.

Need of the Activity: On the Invitation of Principal of Rishi Ram School, Director of our Institute visit the school guide the student for future and put the light on opportunity in Computer Sciences.

Brief Description (Need/Impact/Action/Picture): 10th May 2024, Director IT Baun visited Rishi Ram School Uttarkashi and address the student, guide them and put some light on how much opportunity is available in the field of Computer Science.

- 1- The programme is organised on the request of Principal of Rishi Ram School.
- 2- Program started with introduction and welcoming of Institute Director and other staff.
- 3- Honourable Director Sir Address the student, interact with them answer their queries and guide them for future.



Fig 6.6 Director Sir Interacting with student

ACTIVITY 1: SDG 05

Expert talk by our faculty in KV UTTARKASHI on the topic-“To ignite in the minds of school students and inclination for studying mathematics and science”

Need of the Activity: In the growing age of competition student of hilly area sometime not interested in the higher education in the field of Science and Mathematics.

Brief Description (Need/Impact/Action/Picture): 27th Jan 2024, two of our faculty members are invited by KV Uttarkashi to ignite the young mind for studying Science and Mathematics.

- 1- Dr. Deepak Negi and Mr. Naval Kishor Rawat, Assistant Professor Physics and Chemistry respectively addressed the student of KV Uttarkashi that how much interesting the subject if we want to know the world.
- 2- They also guide them for their future and answered their queries.



Fig 6.7 Expert lecture by our faculty

ACTIVITY 1 SDG 06

Cleaning of water tank for the purpose of backup water supply.

Need of the Activity: As our Institute now accommodating higher staff and students the requirement of clean water is necessity and for that we make a backup plan which is a water tank in college premises.

Brief Description (Need/Impact/Action/Picture): 8th February 2024, our institute clean the water tank and student also participated in it as it was a backup for water supply in campus.



Fig 6.8: Cleaning of water tank (before cleaning)

ACTIVITY 1: SDG 04 & SDG 13

Celebration of National Science Day and visit of more than 100 students of GIC Baun, UPS Baun, PS Baun in College.

Need of the Activity: Our Institute celebrates National Science Day on 28th February 2024. The chief guest was hon'ble VC Sir. The day is celebrated to create the scientific temper in the students.

Brief Description (Need/Impact/Action/Picture): 28th February 2024 celebrated as National Science Day in the memory of Sir CV Raman on his discovery of Raman Effect.

- 1- During the event a presentation poster competition and a mini film is shown to the students.
- 2- Students of different schools are visited institute campus various labs and smart classes.
- 3- They are motivated by VC Sir to become rebel and ask question and develop scientific temper.
- 4- The programme is ended with price distribution.
- 5- A small plantation programme is also done by VC Sir and Director Sir



Fig.6.9 Science Day Celebration

ACTIVITY 2: SDG 04 & SDG 13

Expert Talk On ethics In Artificial Intelligence and Environmental Issues in Construction Projects

Brief Description (Need/Impact/Action/Picture): 29th April 2024 an expert talk is organized in the college Institute on the ethics in AI and environmental issues.



Fig. 6.10 Expert talk in Institute

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Institute is planning to conduct some more interactive session with our community and some workshop for them in the field of A.I.
2	For Clean water and sanitation Institute already have the water purifier and now we are organising a community programme to clean the natural water source of village after monsoon season.
3	For climate change Institute is committed and installing more dustbin for plastic using biodegradable as fertilizer and restricted use of plastic.

SDG Coordinator's Name : Dr. Shiv Prakash Singh (Principal, Libra College)
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S.N.	Information on Identified SDGs
1	Goal 4: Quality Education
2	Goal 5: Gender Equality
3	Goal 16: Peace, Justice and Strong Institutions

List of Activities:

ACTIVITY 1: SDG 04:

Title of the Activity: Lecture “One Nation One Election: Constitutional and Legal Challenges”

Need of the Activity: In the contemporary scenario there has been a continuous debate relating to the demand for one election for the whole nation. Therefore, to understand and analyse as to whether India is prepared for the same the lecture is conducted which will help the students in the long run.

Brief Description (Need/Impact/Action/Picture):

This lecture was delivered by Dr. Anjali Dixit, HOD, School of Legal Studies and Governance, Career Point University, Kota (Rajasthan) on 01st May, 2023. Dr. Dixit began by explaining the concept of “One Nation One Election” which refers to holding simultaneous elections for Lok Sabha and Vidhan Sabha. She discussed the pros and cons of this concept including its benefit to save time and resources, reduce the influence of money and muscle power, and strengthen federalism. However, she also highlighted the challenges posed by this concept including Constitutional, legal, administrative and practical issues. Dr. Dixit further discussed the constitutional challenges. She explained how the Constitution of India provides for a fixed term of 5 years for the Lok Sabha and Vidhan Sabha which makes it difficult to synchronize their elections. She also discussed how the Constitution provides for staggered elections, which enable the people to choose their representatives in a phased manner and ensure continuous representation. She highlighted how any attempt to synchronize the elections would require amending the Constitution which could have far reaching implications for Federalism, Representation and Democracy. Dr. Dixit emphasized the need for comprehensive and participatory debate on the said issue involving all stakeholder before any decision is taken. The lecture helped the students and faculties to increase their knowledge on concept of One Nation One Election.

ACTIVITY 2: SDG 05:

Title of the Activity: “Uniform Civil Code: With Special Reference to Uttarakhand”

Need of the Activity: This will help the students to understand beforehand the implications UCC might have on their normal life as and when the same will be implemented completely.

Brief Description (Need/Impact/Action/Picture): Article 44 of the Indian Constitution clearly states that the State shall endeavor to secure for the citizens a Uniform Civil Code throughout the territory of India. This is a Directive Principle of State Policy which by virtue of its nature non-justiciable. Many governments tried but due to public pressure could not materialize the same in a legislation. Libra College conducted an inter-batch open discussion on the issue of UCC. Law students remarkably put across their points and were marked on their performance. Uttarakhand has become the 1st State to pass the law on UCC. It was since long being demanded specially from the females who faced discrimination in their respective personal laws. Many discriminatory provisions and practices were highlighted by the students in the Hindu Property Rights of females despite amendments in 2005. Many deliberations were done and discriminatory practices in various customs, personal laws of Muslims, Christians and Parsis were further pointed out. Many posed serious repercussions which we might face after its full-fledged implementation. Main issue was the non-involvement of stakeholders on large scale. But on a positive note, Gender Equality will surely be an outcome of UCC. It has some issues relating to Live in relationships but students unanimously believed that Judiciary through purposive interpretation will restore the balance between the public and private interests.

ACTIVITY 3: SDG 16

Title of the Activity: “Critical Analysis of The Judicial System With Special Reference To District Court Dehradun”.

Need of the Activity: To understand the working of courts, students of Libra College were taken to the District Court of Dehradun so that they can have firsthand information relating to the trial procedure which will help them in their thesis and dissertations.

Brief Description (Need/Impact/Action/Picture): It is imperative duty of the State to prevent crime. Crime is a wrong against the society and public at large. Thus, if and when crime takes place it is the primary duty of the State to investigate, prosecute and punish the accused. Also, it is the duty of the State to provide suitable infrastructure and mechanism by which civil rights of a person can be enforced. For that proper Procedural Codes have been drafted. It deals with the filing of suits, Limitation for those suits, Court-fees issue, investigation, inquiry and trial. Our students saw there the filing of suits that is how a suit is instituted, how complaints and written statements are drafted, how summons are issued and served etc. They understood the hierarchy of courts in both civil and criminal side. Many bail applications were heard by them. They also visited the library of the court which helped them in enhancing their research skills. They now better understand as to how to read the AIR and cite case laws in the footnoting. They understood the relevance of certified copies and met many renowned advocates there. Judges were kind enough to let us visit their courts. Our students learned the decorum one has to maintain in court so as to avoid any kind of unintentional contempt.

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Lecture on the “Critical Analysis of New Criminal Laws” so that proper awareness among students and teachers relating to it can be attained.
2	Visit to Courts/Jails so that the students can enhance their practical knowledge.
3	Conducting of Legal Aid Cell Camps so that our students can provide legal aid to the downtrodden and marginalized sections of the nearby locality.

RUDRAPUR COLLEGE OF MANAGEMENT AND TECHNOLOGY, RUDRAPUR

SDG PROGRESS REPORT: 2023 24

SDG Coordinator's Name : Mr. Prem Prakash
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S.N.	Information on Identified SDGs
1	SDG 3: Good health and well being
2	SDG 4: Quality Education

List of Activities:

ACTIVITY 1: SDG 03

Title of the Activity: Various health awareness camp organized at villages and remote areas of Rudrapur and Gadarpur Distt. U.S.Nagar

Need of the Activity: For awareness regarding health and wellness

Brief Description (Need/Impact/Action/Picture): Faculty and student of pharmacy department organized various health awareness camp at different villages and remote areas of Rudrapur and Gadarpur. In this camp students of Rudrapur College of Management and Technology, elaborated the villagers about various health disease and about their prevention.

आर.आई.टी. द्वारा लगाया गया निःशुल्क स्वास्थ्य जांच शिविर

हरिदासपुर में लगाया निःशुल्क स्वास्थ्य शिविर

रुद्रपुर। आरआईटी ग्रुप ऑफ इंस्टीट्यूशन की ओर से ग्राम हरिदासपुर में निःशुल्क स्वास्थ्य शिविर आयोजित किया गया। ग्रामीणों की स्वास्थ्य जांच की गई। रक्तचाप, मधुमेह, ब्लड ग्रुप, ऑक्सीजन लेवल आदि को जांचा गया। महिलाओं को मासिक धर्म और स्वच्छता के प्रति जागरूक किया गया। कार्यक्रम का आयोजन ग्राम प्रधान इंद्रपाल सिंह व अजीतेश पांडव की ओर से किया गया। संस्थान के निदेशक अनूप कुमार सिंह, प्रधानाचार्य प्रेम प्रकाश, मीना राठौर, शालिनी रहे।

आर आई टी ने लगाया निःशुल्क स्वास्थ्य शिविर का कैम

ग्राम हरिदासपुर में आयोजित शिविर में आरआईटी के छात्रों ने ग्रामीणों को स्वास्थ्य जांच करवाया। रक्तचाप, मधुमेह, ब्लड ग्रुप, ऑक्सीजन लेवल आदि को जांचा गया। महिलाओं को मासिक धर्म और स्वच्छता के प्रति जागरूक किया गया। कार्यक्रम का आयोजन ग्राम प्रधान इंद्रपाल सिंह व अजीतेश पांडव की ओर से किया गया। संस्थान के निदेशक अनूप कुमार सिंह, प्रधानाचार्य प्रेम प्रकाश, मीना राठौर, शालिनी रहे।



Fig. 8.1 Free Health Checkup Camp

ACTIVITY 2: SDG 04

Title of the Activity: Organized online seminar on bioinformatics and students attended and participated in national conference held at Bhimtal.

Need of the Activity: For the betterment and improvement of knowledge in students and their skill development.

Brief Description (Need/Impact/Action/Picture): Webinar was organized at Rudrapur College of Management and Technology on the topic “Personalized Medicine” on 26thFeb, 2024 by the Dr. Poonam Rishishwar.

Institute students attended and participate national conference and workshop on “Food Technology and Nutrition: Enhancing flavours Health and Well Being Through Culinary Practices” held at Bhimtal.

Webinar On Personalized Medicine in RCMT, Rudrapur



Fig. 8.2 Webinar on Personalized Medicine in RCMT, Rudrapur

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	SDG 3: Good Health and well being 1) Blood donation camp to be organized by the department of pharmacy 2) Health checkup camp. 3) Awareness about different Health care policy of the Government to the student.
2	SDG 4: Quality Education 1) Expert lectures from faculty members and industry personnel. 2) Best student’s award. 3) Industrial visit to be organized for the students.

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S.N.	Identified SDGs
1	Goal 2: Zero Hunger
2	Goal 3: Good health and well being
3	Goal 5: Gender Equality
4	Goal 6: Clean water and sanitation

List of Activities:

ACTIVITY 01: SDG 06

Title of the Activity: Poster march on Clean water (CLEAN WATER AND SANITATION)

Need of the Activity: To raise awareness about the importance of clean water and sanitation, this aims to ensure the availability and sustainable management of water and sanitation for all.

Brief Description (Need/Impact/Action/Picture): Students prepared posters displaying a message on clean water and sanitation.



Fig. 9.1 Poster displaying a message on clean water and sanitation

ACTIVITY 01: SDG 05

Title of the Activity: Painting/Sketching on female freedom fighters of India (GENDER EQUALITY)

Need of the Activity: To celebrate and recall the contributions of women freedom fighters of India. This activity aims to highlight the effort made by female in the fight for freedom of India and focuses on gender equality.

Brief Description (Need/Impact/Action/Picture): Students did painting and sketching on the theme of women freedom fighters of India.

ACTIVITY 02: SDG 3&5

Title of the Activity: Session on nutritional needs among women: A session by “HER” (GENDER EQUALITY, GOOD HEALTH AND WELL BEING)

Need of the Activity: To promote women's health and well-being, reduce malnutrition, and achieve Good Health and wellbeing.

Brief Description (Need/Impact/Action/Picture): A session led by ‘Her’ on nutritional needs for a good and healthy society.



Fig. 9.2 Session on nutritional needs among women

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S.N.	Identified SDGs
1	Goal 2- Zero hunger
2	Goal-12 Responsible production
3	Goal 13- Climate Action

List of Activities:

ACTIVITY 1: SDG 12

Title of the Activity: Responsible Production & Consumption

Need of the Activity: Seminar on Recycling & Reusing waste

Brief Description (Need/Impact/Action/Picture): On 31 August, 2023 Alpine College of Management and Technology conducted a Seminar on Reduce, Reuse and Recycle waste: Alternative for waste Management. The resource person provided an overview of the reasons and ways to better manage garbage or other household waste. While “recycle” may be a buzzword for an environmentally friendly way to manage waste. Students and faculty members were also guided to adopt some ways to reduce waste on college campus:

- Single-use plastic water bottles are a major source of waste on college campuses. So students were encouraged to invest in a reusable water bottle and refill them at campus water stations.
- Students & Faculty members were encouraged to compost food waste, such as fruit and vegetable scraps, instead of throwing them in the trash.
- They were also encouraged to bring their own reusable mugs instead of using paper or plastic disposable cups.
- Planting trees & other greenery on campus by College Management can help to reduce air pollution & improve the overall environment.



Fig. 10.1 Seminar on Reduce, Reuse, Recycle waste

Activities Conducted: Awareness Campaign on waste disposal:

- In a bid to raise awareness regarding effective disposal of waste, students of the department of Pharmacy visited a total of 60 houses in the Kotra Santaur village near college on 12th of September, 2023. They shared knowledge and strategies on proper waste management. With the help of google forms, the present method of waste disposal were studied and the concept of bucket composting was introduced. A report based on the survey was later submitted to the gram Pradhan.

Tree Plantation Campaign:

- A One Day Tree Plantation Program was held in the College Campus on 25th of September, 2023 from 10:00 A.M to 2:00 PM with the aim to keep the campus clean & green. The objective of the program was to create awareness among the students regarding the importance of ecology and the natural environment.
- The Target no of saplings that to be planted in the programme was 100 inside the campus.
- Participants were highly energetic to make the event a big success. The students and teachers planted the saplings and fenced them and watered the plants.



Fig. 10.2 Awareness Campaign on waste disposal

ACTIVITY 2: SDG 12

Title of the Activity: Responsible production & Consumption

Need of the Activity: Sustainable Agriculture (To reduce the reliance on Non-renewable energy, reduce chemical use and save use of scarce resources.

Brief Description (Need/Impact/Action/Picture): On 10 January, 2024 Alpine College of Management & Technology conducted a model presentation, showcasing innovative solutions for Sustainable Agriculture. It encouraged the best use of resources available, minimizing the use of non-renewable resources, protect health and safety of farm workers, protect the economic viability of farming operations, produce sufficient high quality and safe food.



Fig. 10.3 Model Presentation

ACTIVITY 3 : SDG 02

Title of the activity: Zero Hunger

Need of the Activity: To Bring Awareness among students to reduce food waste at college & in Community

Brief Description (Need/Impact/Action/Picture): On 29 February, 2024 Alpine College of Management & Technology conducted a talk with the students to reduce the food waste at college. They were guided to Collaborate with the Mess Staff to rethink how lunch is served down to cut down on food waste. They were encouraged to work with local food pantry to develop creative ideas for how to distribute leftover food from restaurants and Cafeteria to people who will put it to use. They were encouraged to use social media or create posters to educate and raise awareness, encouraging people to be more thoughtful about how they're treating food.



Fig. 10.4

ACTIVITY 4: SDG 13

Title of the Activity: Climate Actions

Need of the Activity: To bring awareness on Sustainable use of Natural Resources.

Brief Description (Need/Impact/Action/Picture): On 4 March, 2024 Alpine college of management and technology organized a poster presentation on Sustainable use of Natural resources. The main aim of the event was to increase awareness among students and to address some key problems pertaining to climate change, plastic-consumption, water-shortage, energy-deficiency, chemical pollution, inappropriate garbage-disposal, and waste mismanagement. Inadequate awareness, knowledge and sensitization are identified as lead factors that add to these problems. In this context we conducted a poster presentation on the theme “ SUSTAINABLE USE OF NATURAL RESOURCES ” in the view of protecting .



Fig. 10.5 Awareness on Sustainable use of Natural Resources.

ACTIVITY 5 : SDG 02

Title of the activity: Zero Hunger

Need of the activity: Catalyzing support for agricultural academic programs.

Brief Description (Need/ Impact/Action/Picture): On 5 March, 2024 Alpine College of Management & technology organized a farmers market with local produce and eco-friendly products, encouraging support for agricultural academic programs as the fund generated from such produce was employed for malnourished children in Kota Santaur village near College campus.



Fig. 10.6

ACTIVITY 6: SDG 12

Title of the Activity: Responsible Production & Consumption

Need of the Activity: Reducing Environment & Health Hazard

Brief Description (Need/Impact/Action/Picture): On 6 April, 2024 students of Department of Pharmacy visited Domestic Waste Management Plant situated at Shishambara, Selaqui, Dehradun as a part of their educational Visit. Approximately 50 students along with 03 faculty

members visited the plant. The Assistant Manager of WMP briefed the students about the processing of the solid waste collected in Dehradun. The maximum limit of treating the waste in WMP Dehradun is 300-500 tons per day.

Initially the waste is being taken over the weighing bridge followed by three steps i.e. sorting in the first trommel, feeding in the second trommel and finished product in the third trommel. Phosphate solubilizing bacteria is added for the treatment of waste. Ploy bags after segregation from the waste are used for electricity generation. Students also visited the Solar Evaporation point which is used for the treatment of water produced during the treatment of waste. Alum and Soda are used for treating the waste water and made feasible for irrigation process. Students of the College asked various questions and tried to understand the utility of waste management plant in today's time.



Fig. 10.7: Educational Visit

ACTIVITY 7: SDG Goal 12

Title of the Activity: Responsible Production & Consumption

Need of the Activity: Reducing Environment & Health Hazard

Brief Description (Need/Impact/Action/Picture): Alpine Group of Institutes has two campuses; academic campus and residential campus which are located in Nanda Ki Chowki, Premnagar & Kotra Santaur Village respectively. In order to keep the campus clean, students and staffs of the Alpine Group of Institutes were actively involved in the Cleanliness activities on 27 April, 2024. We ensure the cleanliness of, not only the surroundings, but also the class rooms, library, laboratories and auditorium. The College also invited locally available eminent speakers to interact with our student volunteers on their current interests. On the day of "Cleanliness Drive" students and faculty members took pledge of cleanliness. A signature campaign was also organized to create an awareness on keeping the campus clean and green. Further to the inaugural event, a seminar was conducted on "Awareness on Green Environment". More than 200 students and volunteers engaged themselves in various activities including cleaning the surroundings of library building, hostel buildings, department buildings and administrative building. Apart from these, students were involved in removal of mesquite trees from the University campus. Awareness programmes and competitions were also conducted for students to bring about visible changes in the surroundings and to efficiently deal with waste disposal.

Collection of Garbage from the University campus: The Volunteers gathered to clean the surroundings of the individual buildings in the campus. The volunteers enthusiastically collected plastic wastes, tea cups, weeds, and dry leaves spread over the surrounding areas. The volunteers gathered all the waste and trash bags to the place where the university arranged for the removal of collected wastes. The whole cleaning drive was quite inspiring and motivating for the team members.



Fig. 10.8: Responsible Production & Consumption

ACTIVITY 8: SDG Goal 13

Title of the Activity: Climate Action

Need of the Activity: Green Energy Club Quiz Competition (To create awareness about importance of Green Energy)

Brief Description (Need/Impact/Action/Picture): “Green Energy Club: Quiz Competition”

Event Date / Duration : 4 May, 2024 12.30 PM to 02.30 PM. **Resource Person /Name of Coordinators:** Ms. Urvashi Negi & Mr. Subodh Negi, **Target Audience :** B-Pharm I, II & III Year D-Pharm I & II Year **Total no of Participants:** 68 **Objective of the event:** To create awareness about the importance of green energy among the students. **Outcome of event:** Students got knowledge on statistics of green energy resources available in India, Understand the Green energy Technologies, Recognize the role of youth towards Green energy resources utilization, and understand the advantages and disadvantages of Green energy sources. **Winners:** 1st Prize : Ms. Tanupriya (BPharm IV SEM), 2nd Prize : Ms. Pragyanjali (BPharm II SEM)



Fig. 10.9: Quiz

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Activities concerning Maintaining Agrobiodiversity
2	Environmental Change Seminar
3	Responsible Management of Chemicals & Waste

Global Institute of Pharmaceutical Education and Research, Kashipur

SDG PROGRESS REPORT: 2023-24

SDG Coordinator's Name : Dr. Deepak Teotia
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S.N.	Information on Identified SDGs
1	SDG03: Good health and well being
2	SDG04: Quality education

List of Activities:

ACTIVITY 1: SDG 03

Title of the Activity: International symposium on Global Trends in Health, Technology and Management on 15-17 March 2024.

Need of the Activity: Provide sustainable and implementable solutions to problems related to health care and better living.

Brief Description (Need/Impact/Action/Picture): The institute organised international symposium on Global Trends in Health, Technology and Management at Veer Madho Singh Bhandari Uttarakhand Technical University, Dehradun, fulfilling a crucial need in today's interconnected world while yielding significant impact across various domains like addressing complex challenges, Interdisciplinary Collaboration, Knowledge Exchange, Promoting Global Perspectives, Advancing Research and Innovation, Networking and Collaboration Opportunities, and influencing policies for sustainable development and societal well-being.



Fig. 11.1 International symposium

ACTIVITY 2: SDG 04

Title of the Activity: Career development workshop (23rd June 2024)

Need of the Activity: Empowering the students to achieve their professional goals and contribute effectively to their organizations and communities.

Brief Description (Need/Impact/Action/Picture): The institute organises Career Development workshop for fourth-year Bachelor of Pharmacy (B.Pharm) students, D. Pharm second year and also the students of adjoining areas. This program aims to equip students with essential skills, knowledge, and insights necessary to embark on successful careers in the pharmaceutical industry, healthcare sector, and beyond.



Fig. 11.2 Workshop on Career Development

Next action plan:

S. N.	Activity to be conducted (along with reason)
1	Blood donation camp
2	Health checkup camp
3	Faculty development seminar for upgrading the knowledge on current topics.
4	Conference organization

Dr. A.P.J. Abdul Kalam Institute of Technology, Tanakpur

SDG PROGRESS REPORT: 2023 24

SDG Coordinator's Name : Ms. Rashmi Dhaundiyal
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S. N.	Information on Identified SDGs
1	SDG04: Quality Education
2	SDG05: Gender Equality
3	SDG06: Clean Water & Sanitation

List of Activities:

ACTIVITY 1: SDG 05

Title of the Activity: Poster Competition based on Gender Equality

Need of the Activity: Creating awareness of gender equality among students

Brief Description (Need/Impact/Action/Picture): 5 students participate, Name of the students who participated in SDG's Goal

1. Anushka Singh (CSE 3rd Year 6th Sem)
2. Abhishek Verma (Civil 3rd Year 6th Sem)
3. Priya Nagarkoti (CSE 2nd Year 4th Sem)
4. Khusboo Joshi (CSE 1st Year 2nd Sem)

In poster Competition the First Prize was awarded to Priya Nagarkoti (CSE 2nd Year 4thSem)

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Poster Competition based on Gender Equality
2	Essay Competition based on Quality Education
3	Power Point Presentation Competition on Clean water and sanitation

Birla Institute of Applied Sciences, Bhimtal

SDG PROGRESS REPORT: 2023-24

SDG Coordinator's Name : Dr. Shilpi Bisht
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Sr. No.	Information on Identified SDGs	Goal No.
1	Good Health and Well Being	3
2	Quality Education	4
3	Gender Equality	5
4	Clean Water and Sanitation	6
5	Climate Action	13

List of Activities:

ACTIVITY 1: INTRODUCTION TO SDG

Title of the Activity: Introductory Events

Need of the Activity: To introduce students to the goals of sustainable development.

Brief Description (Need/Impact/Action/Picture): The introductory event, organized on 26 October 2023, included a Wall Painting Competition centered around four SDG goals: Good Health and Well Being, Gender Equality, Quality Education, Clean Water and Sanitation, and Climate Action. Ten teams participated, showcasing their talents through vibrant murals. Further, a Logo Making competition was organized alongside the introductory event. The motive being served was to intrigue the curiosity of the students to learn about the goals of the sustainable development, while having fun doing the designing part.



Fig. 13.1



Fig. 13.2: Winners of the wall painting competition were felicitated by Hon. Vice Chancellor, during his visit for VIMARSH



Fig. 13.3: Hon. Vice Chancellor admiring the plethora of wall paintings illuminating the goals of SGDC.

ACTIVITY 2: SDG 04

Title of the Activity: Education drives in adopted villages.

Need of the Activity: Promotion of quality education.

Brief Description (Need/Impact/Action/Picture): The first drive was held at Primary School, Gorakhpur (Rajkiya Prathmik Vidyalaya, Gorakhpur, Bhimtal) on 30 November 2023 and 01 December 2023. It was aimed towards promoting Quality Education, Gender Equality and raising awareness about Climate Action, Health and Hygiene through interactive sessions, educational games to foster learning.



Fig. 13.4: Our director addressing the students of the school.



Fig. 13.5: Student members of the council, addressing the students of the school.

Next action plan:

Sr. No.	Activity to be conducted (along with reason)
1	Video making competition for spreading awareness, through social media.
2	Education drives to adopted villages.
3	Health and Wellness drive, to spread awareness

Gyani Inder Singh Institute of Professional Studies, Dehradun

SDG PROGRESS REPORT: 2023 24

SDG Coordinator's Name : Dr Praveen Kumar Ashok (Director)
 Dr Yogita Tyagi (Asso. Professor)
 Mrs Archana Rautela (Asso. Professor)
 Ms Arati Tamta (Asst. Professor)

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Sr. No.	Information on Identified SDGs
1	SDG03: Good Health and well being
2	SDG06: Clean water and sanitization
3	SDG04: Quality Education

List of Activities:

ACTIVITY 1: SDG 03

Title of the Activity: Poster competition for awareness of Good Health and well-being on National Pharmacy Week at GISIPS, Dehradun.

Need of the Activity: To promotes healthy lifestyles, preventive measures, and modern, efficient healthcare for everyone.

Brief Description (Need/Impact/Action/Picture): The Poster competition was held on 24/11/2023 for awareness of Good Health and well-being on National Pharmacy Week 24/11/2023 at GISIPS, Dehradun. Students of all courses like D. Pharm, B.Pharm M.Pharm were participated in poster competition and also got certificate for participation.



Fig. 14.1: Poster competition for awareness of Good Health and well-being on National Pharmacy Week

ACTIVITY 2: SDG 04

Title of the Activity: Faculty Development Program with the collaboration of ICFAI, Dehradun.

Need of the Activity: To enhancing the quality of education and fostering continuous improvement within educational institutions.

Brief Description (Need/Impact/Action/Picture): Faculty Development Program with the collaboration of ICFAI, Dehradun was organised on 22/07/2023 at ICFAI, Dehradun campus. Faculties from different institutions and universities were attended the program. The title of the FDP was “Enhancing Teaching Ability on Online & Offline through Case Study”.



Fig. 14.2: Faculty Development Program with the collaboration of ICFAI, Dehradun

ACTIVITY 3: SDG 06

Title of the Activity: Cleanliness drive about awareness for tree plantation near GISIPS campus, Dehradun.

Need of the Activity: To save the endangered environment and to beautify our life.

Brief Description (Need/Impact/Action/Picture): Cleanliness drive about awareness for tree plantation near GISIPS campus, Dehradun was conducted on 17/07/2023. All faculty members and students were planted the different varieties of plants to give their small contribution to save earth and avoid global warming.



Fig.14.3: Cleanliness drive about awareness for tree plantation near GISIPS campus, Dehradun.

Next action plan:

S. N.	Activity to be conducted (along with reason)
1	Good Health and well-being: Awareness program will be organized for social good health and knowledge about managing health.
2	Clean water and sanitization: GISIPS will be conducted drives and raileys of students to aware the people about storage of water and tree plantation.
3	Quality Education: Faculty development program and student development program will be organized for enhance the knowledge and explore their talent.

SDG Coordinator's Name : Dr. Subhash Chand
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S. N.	Information on Identified SDGs
1	SDG03: Good Health and well being
2	SDG04: Quality Education
3	SDG13: Climate action

List of Activities:

ACTIVITY 1: SDG 03

Title of the Activity: Good Health and well being

Need of the Activity: Health and well-being are essential aspects of our lives that contribute to our happiness and quality of life. Good health allows us to live our lives to the fullest, participate in activities we enjoy, and be there for the people we care about.

Brief Description (Need/Impact/Action/Picture):



Fig. 15.1 Health Checkup and Blood Donation Camp

ACTIVITY 2: SDG04

Title of the Activity: Quality Education

Need of the Activity: Every girl and boy in India has the fundamental right to quality education, an education one that helps them to acquire basic literacy and numeracy, enjoy learning without fear and feel valued and included irrespective of where they come from.



Fig. 15.2

ACTIVITY 3: SDG14

Title of the Activity: Climate action

Need of the Activity: Reducing short-lived climate pollutants will prevent millions of premature deaths each year from air pollution and climate change. A warmer climate increases public health challenges like heat-aggravated illnesses, vector borne diseases, and decreased access to safe water and food. So we need more and more plantation. Go green, breathe clean. Stop polluting the environment. Save our planet. Think before you



Fig. 15.3

ROORKEE INSTITUTE OF TECHNOLOGY, ROORKEE

SDG PROGRESS REPORT: 2023 24

SDG Coordinator's Name : Munendra Singh Chauhan
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S. N.	Information on Identified SDGs
1	SDG03: Cleanliness in surrounding areas
2	SDG11: To help underprivileged people during winter
3	SDG06: To provide safe drinking water to children

List of Activities:

ACTIVITY 1: SDG 03

Title of the Activity: "Swachhata Hi Sewa", A Cleanliness drive on October 1, 2023

Need of the Activity: To instill a sense of responsibility and environmental consciousness among students

Brief Description (Need/Impact/Action/Picture): RIT Roorkee's exceptional volunteers from NSS, NCC, and the passionate Utpurna Club recently converged as part of the "Swachhata hi Sewa" campaign, collaborating hand in hand with NIH, Roorkee. Their collective mission was nothing short of inspiring - to breathe new life into the beloved Lakshmi Narayan Ghat and the picturesque Sonali Park, Roorkee through cleansing and waste disposal.



Fig. 16.1 Students during Cleanliness Drive

ACTIVITY 2: SDG 11

Title of the Activity: Blanket Distribution Drive on 23rd December, 2023

Need of the Activity: To help underprivileged people during winters

Brief Description (Need/Impact/Action/Picture): The NSS Unit and Utpreerna Club of RIT Roorkee united with one common goal — to make a transformative difference in the lives of the underprivileged. Blankets were distributed to those residing on footpaths to offer a protective shield against the chilly season.



Fig. 16.2 Blanket Distribution

ACTIVITY 3: SDG 06

Title of the Activity: RO Purifier Installation at Government Primary School under Unnat Bharat Abhiyan on 14th March, 2024

Need of the Activity: To provide safe drinking water to the children of the School

Brief Description (Need/Impact/Action/Picture): As a mission of Unnat Bharat Abhiyan in enabling the development challenges in rural India and evolving appropriate solutions for accelerating sustainable growth, RIT Roorkee took an initiative to install RO Water Purifier at Government Upper Primary School, Village Chudiyala Mohanpur dated March 24, 2024.



Fig. 16.3 Installation of RO Purifier at Government Primary School

ACTIVITY 4: SDG 03

Title of the Activity: Blood Donation Camp on 2nd May, 2024

Need of the Activity: To motivate students to donate blood and social works

Brief Description (Need/Impact/Action/Picture): A Blood Donation Camp was organized by NSS Unit & Youth Red Cross of Roorkee Institute of Technology in association with 'Amar Ujala Foundation' on May 2, 2024 in the campus of Roorkee Institute of Technology. The camp began at 10:00 A.M. 49 units of blood were donated by students of Roorkee Institute of Technology, Roorkee.



Fig. 16.4: Students donating blood

रुड़की देहरादून | शुक्रवार • 03.05.2024 | 04
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49 युवाओं ने रक्तदान कर निभाई जिम्मेदारी

अमर उजाला फाउंडेशन की ओर से आरआईटी पुहाना में आयोजित किया गया शिविर

माई सिटी रिपोर्टर

रुड़की। हिमालयन कॉलेज ऑफ पैरामेडिकल साइंस और रुड़की इंस्टीट्यूट ऑफ टेक्नोलॉजी पुहाना में रक्तदान शिविर आयोजित किया गया। अमर उजाला फाउंडेशन की ओर से यह कार्यक्रम वृहस्पतिवार को आयोजित हुआ। शिविर में 49 युवाओं ने रक्तदान कर लोगों की सुरक्षा में जिम्मेदारी निभाई।

अस्पतालों में लगातार हो रहे रक्त की कमी को देखते हुए अमर उजाला हमेशा रक्तदान शिविर का आयोजन करत है। ऐसे

में आमजन भी इसमें अहम भूमिका निभाते हैं। अस्पतालों में किसी भी जरूरतमंद के लिए रक्त की कमी न हो इसके लिए वृहस्पतिवार को रुड़की इंस्टीट्यूट ऑफ टेक्नोलॉजी पुहाना में कार्यक्रम का आयोजन किया गया। कार्यक्रम में ब्लड बैंक रुड़की प्रभारी डॉ. रजत सैनी, पवन, सुमित भारद्वाज ने भी सहयोग किया।

रक्तदान को लेकर छात्रों में खासा उत्साह दिखा। उन्होंने कहा कि हम हमेशा ही लोगों की सुरक्षा के लिए रक्तदान करते रहेंगे।

शिविर में 200 से अधिक रजिस्ट्रेशन हुए। इसमें 49 लोगों ने रक्तदान किया। इंस्टीट्यूट ने अमर उजाला के कार्यों को

रुड़की पुहाना स्थित आरआईटी कॉलेज में अमर उजाला फाउंडेशन की ओर से आयोजित शिविर में रक्तदान करते छात्रों -संवाद

सराहना की। इस दौरान प्रोफेसर, कुमार, आदित्य, अभय, दीपक आदि ने डॉ. अभय भाटिया, सोनू कुमार, आलोक रक्तदान किया।

Fig. 16.5: Figure 2: Press Release

ACTIVITY 5: SDG 03

Title of the Activity: Tree Plantation on World Environment Day

Need of the Activity: To motivate the students to keep their surroundings green and clean by undertaking plantation of trees.

Brief Description (Need/Impact/Action/Picture): On the occasion of World Environment Day, a tree plantation drive was held in the college premises on 5th June, 2024. The dual objectives of this drive were to enhance the tree cover on the campus and to sensitize the students towards importance of trees.



Fig. 16.6: Students planting sapling on World Environment Day

ACTIVITY 6: SDG 11

Title of the Activity: International Yoga Day 2024 Celebration

Need of the Activity: To raise awareness amongst students of the many benefits of practicing Yoga.

Brief Description (Need/Impact/Action/Picture): RIT Roorkee's celebration of International Yoga Day was a powerful reminder of the positive impact that yoga can have on our lives. The campus transformed into a sanctuary of wellness as students and faculty members came together to honor the timeless art of yoga. Led by an experienced instructor, the session proved to be a rejuvenating experience for all. Participants practiced a variety of poses, from gentle stretching exercises to sun salutations, fostering a deep sense of community and promoting physical and mental well-being. By the end of the session, participants left with a renewed sense of energy and mindfulness, ready to integrate these practices into their daily routine. It was truly inspiring to see everyone united in the spirit of mental and physical wellness.



Fig. 16.7: Students after successful completion of Yoga Session on International Yoga Day 2024

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Harela 2024 –For the awareness of tree plantation and Uttarakhand culture
2	Induction Program 2024 including Social awareness activity in adopted villages with the help of First year students.

SDG Coordinator's Name : Emmanuel Gabriel
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Sr. No.	Information on Identified SDGs
1	Goal 3: Good Health and Well-Being
2	Goal 4: Quality Education
3	Goal 6: Clean Water and Sanitation

List of Activities:

ACTIVITY 1: SDG 03

Title of the Activity: Plastic-Free Awareness Camp (Date: 24-04-2024)

Need of the Activity: The primary objective of the Plastic-Free Awareness Camp was to raise awareness among the citizens of Dehradun about the harmful effects of plastic pollution and to encourage the adoption of sustainable and eco-friendly alternatives. The campaign aimed to educate the public on the importance of reducing plastic usage, recycling, and proper disposal of plastic waste to protect the environment.

Brief Description (Need/Impact/Action/Picture): The students of Tula's Institute actively participated in the Plastic-Free Awareness Camp by standing at various prominent locations across Dehradun city, holding posters and banners displaying messages about the plastic-free campaign. They engaged with the public, distributed informational pamphlets, and encouraged people to pledge towards a plastic-free lifestyle.



Fig. 17.1: Students holding the posters to spread awareness about how plastic is harming the Earth which ultimately harms human beings and all the lives on this planet.

ACTIVITY 2: SDG 03

Title of the Activity: Blood Donation Camp at Tula's Institute, Dehradun (Date: 03-10-2023)

Need of the Activity: Raise awareness among students, faculty members, and the local community about the critical need for blood donations and the impact it can have on saving lives.

Brief Description (Need/Impact/Action/Picture): In a heartwarming collaboration between Tula's Institute, the NSS unit, and Akhil Bhartiya Aggarwal Sammelan Paschim Uttarakhand, a Blood Donation Camp was held at Tula's Institute, Dehradun. The event was inaugurated by the Chairman of Tula's Institute, Mr. Sunil Kumar Jain, and attended by other esteemed members. A total of 101 units of blood were collected during the drive. This achievement would not have been possible without the dedicated team of healthcare professionals of IMA Blood Bank Dehradun and volunteers of NSS who ensured the safety and well-being of the donors. The institute looks forward to continuing such initiatives in the future, with the hope of inspiring more students and faculty members to participate in acts of generosity and social responsibility.



Fig. 17.2: Students and faculty members donating blood enthusiastically.

ACTIVITY 3: SDG 04

Title of the Activity: Inauguration of the UCOST TRC Lab at Tula's (Date: 05-04-2024)

Need of the Activity: The primary objective of inaugurating the UCOST TRC Lab at Tula's Institute is to empower the state of Uttarakhand by fostering sustainable development in our adopted villages. This initiative aims to promote livelihood generation, nurture talent, and drive positive change in the communities.

Brief Description (Need/Impact/Action/Picture): The inauguration of the UCOST TRC Lab at Tula's College was a momentous occasion, marking a significant step towards innovation and progress in the region. The event was graced by the esteemed presence of Dr. Anita Rawat, whose visionary leadership has been instrumental in the establishment of this state-of-the-art lab. Representatives from the adopted villages were present at the event, expressing their excitement and hope for the positive impact the lab would have on their communities. The lab aims to provide training and resources to help local residents develop new skills and enhance their livelihoods. The establishment of the UCOST TRC Lab underscores Tula's Institute's commitment to sustainable development. The lab will focus on projects that promote environmental conservation, efficient resource utilization, and economic growth in a sustainable manner.



Fig. 17.3: Inauguration of the UCOST funded TRC lab to empower the people from the adopted village in terms of education and livelihood.

ACTIVITY 4: SDG 04

Title of the Activity: Inauguration of the AWADH at Tula's (Date: 05-04-2024)

Need of the Activity: Provide students with advanced educational resources and practical experiences in the field of Cyber-Physical Systems, ensuring they are well-prepared for future technological advancements.

Brief Description (Need/Impact/Action/Picture): The Skilling for Emerging Technologies under the National Mission on Interdisciplinary Cyber-Physical Systems (NM ICPS), Department of Science and Technology, and the Indian Institute of Technology (IIT) Ropar, through its Technology and Innovation Foundation (iHub-AWADH), inaugurated the AWADH CPS Lab at Tula's Institute. This state-of-the-art facility is designed to provide an integrated platform for Cyber-Physical Systems education, skilling, research, and collaboration.

The inauguration ceremony at Tula's Institute witnessed the esteemed presence of dignitaries and team members from IIT Ropar (iHub-AWADH), marking the auspicious initiation of this innovative initiative. This lab aims to empower students and researchers by offering advanced resources and opportunities in the field of Cyber-Physical Systems.



Fig. 17.4: Inauguration of the AWADH CPS Lab at Tula's Institute.

Next action plan:

Sr. No.	Activity to be conducted (along with reason)
1	Health Awareness Workshops: Organize workshops on topics such as mental health, nutrition, and preventive healthcare to raise awareness among students and faculty.
2	Fitness Programs: Offer fitness classes, yoga sessions, or sports activities to promote physical well-being among students and staff.
3	Guest Lectures: Invite industry experts and academics to give guest lectures on emerging trends and topics in various fields of study.
4	Educational Outreach: Conduct educational outreach programs in nearby schools or communities to promote the importance of education.
5	Sanitation Drives: Organize cleanliness drives on campus and in nearby areas to promote sanitation and hygiene.

Shivalik College of Engineering, Dehradun

SDG PROGRESS REPORT: 2023 24

SDG Coordinator's Name : Dr. Saba Sabir
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S. N.	Information on Identified SDGs
1	Clean Water and Sanitation
2	Climate Action
3	Industry, Innovation, and Infrastructure
4	Sustainable Cities and Communities
5	Good Health and Well-Being
6	Decent Work and Economic Growth

List of Activities:

1. Amrit Kash Yatra
2. Environment Day Celebration
3. Swachh Bharat Diwas
4. Swachhata Pakhwada
5. Fire Fighting Demonstration
6. Waste Recycling System Imitative in Campus
7. Green Campus Initiatives
8. Quality audits on environment and energy are regularly
9. Best Practises in College Campus for Solid Waste Management
10. Waste Recycling System: Degradable solid waste
11. Renewable Energy: Solar Energy System

ACTIVITY 1: SDG #

Title of the Activity: Amrit Kash Yatra

Need of the Activity: Creation of Amrit vaticas, tree plantation & To encouraging people to pay their tributes to the veers and veerangans who dedicated their lives for the nation.

ACTIVITY 2: SDG#

Title of the Activity: Environment Day Celebration

Need of the Activity: World Environment Day.

ACTIVITY 3: SDG#

Title of the Activity: Swachh Bharat Diwas

Need of the Activity: Improving the quality of life in rural areas through cleanliness and personal hygiene.

Brief Description

Event/Activity Report (2023-24)

Name of activity organized	Swachh Bharat Diwas
Title of activities	Swachhata Pakhwada
Date of activity organized	02-Oct-2023
Name of the coordinator activity	Mr. Anand Singh
Place of the activity	Sherpur Village
No. of participants (Student + faculty)	30 Students +15 Faculties
Name of sponsored organization	SHIVALIK COLLEGE OF ENGG.
Objective of the activity	The main objective of activity: - <ul style="list-style-type: none">• Improving the quality of life in rural areas through cleanliness and personal hygiene.• Create awareness among communities towards sanitation and cleanliness.• To bring about behavioral changes in the people towards sanitation and hygiene.• Motivating the communities for adopting a proper sanitation model for better health and life.
Outcome of the Activity (Feedback of participants)	Successfully conducted a cleanliness campaign in the college campus and nearby village.

Photo gallery



Fig.18.1 : Swachhata Pakhwada activity in Sherpur village



Fig.18.2: Swachhata Pakhwada activity in the Sherpur village

ACTIVITY 4: SDG#

Title of the Activity: Swachhata Pakhwada

Need of the Activity: celebration of the 'Swachhata Pakhwada' fortnight, as a part of the 'Swachh Bharat Mission', was to take up sanitation initiatives, mobilize people and reinforce the mass movement for cleanliness to contribute to Mahatma Gandhi's dream of a Clean India.

Brief Description

Event/Activity Report (2023-24)

Name of activity organized	Swachhata Pakhwada
Title of activities	Swachhata Pakhwada
Date of activity organized	02-Oct-2023
Name of the coordinator activity	Mr. Anand Singh
Place of the activity	Village and college
No. of participants(Student + faculty)	20 Students +2 Faculties
Name of sponsored organization	Shivalik College of Engineering
Objective of the activity	The objective of the celebration of the 'Swachhata Pakhwada' fortnight, as a part of the 'Swachh Bharat Mission', was to take up sanitation initiatives, mobilize people and reinforce the mass movement for cleanliness to contribute to Mahatma Gandhi's dream of a Clean India.

Outcome of the Activity(Feedback of participants

Successfully conducted a cleanliness campaign in the government school Sihniwala.

Photo gallery



Fig. 18.3 : Swachhata Pakhwada activity in Shivalik college of Engineering

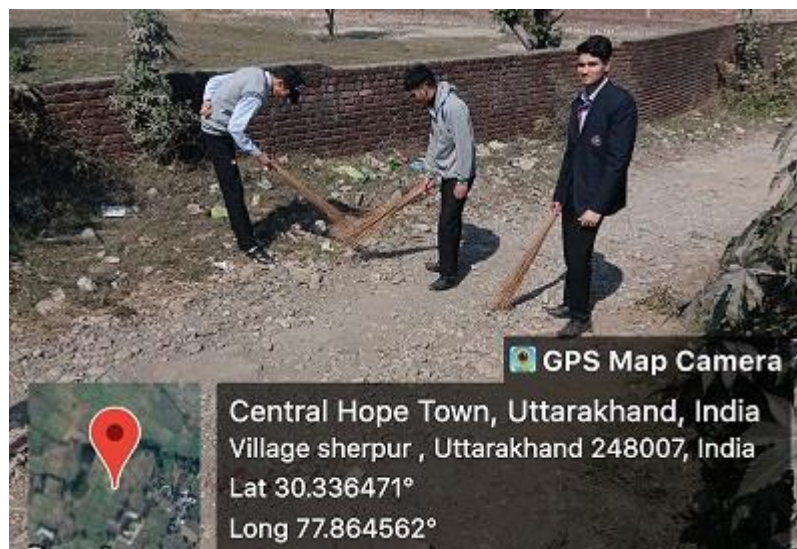


Fig. 18.4 : Swachhata Pakhwada activity in Village Sherpur

ACTIVITY 5: SDG#

Title of the Activity: Fire Fighting Demonstration

Need of the Activity: To save People and Environment Basic fire-fighting techniques can also help to prevent small fires from becoming big emergencies.

Brief Description

Event/Activity Report
(2023-24)

Name of activity organized	Fire Fighting Demonstration
Title of activities	Fire Fighting Demonstration
Date of activity organized	29/4/2023
Name of the coordinator activity	Lt Aniruddha Kulkarni
Place of the activity	Shivalik College of engineering
No. of participants (Student + faculty)	(27+1)
Name of sponsored organization	Shivalik College of engineering
Objective of the activity	Basic fire-fighting techniques can also help to prevent small fires from becoming big emergencies. It ensures everyone knows how to act safely, reducing the risk of injury or loss of life in the event of a blaze.
Outcome of the Activity (Feedback of participants)	Event of firefighting demonstration is being successfully held in SCE. Where students have learned the basic and advanced fire-fighting techniques. Also, students learned about basic life saving techniques in case of disasters.

Photo gallery



Fig. 18.5 : Group Photo of Students participated in Fire Fighting Demonstration



Fig. 18.6: Fire Fighting Demonstration

ACTIVITY 6: SDG#

Title of the Activity: Waste Recycling System Initiative in Campus

Need of the Activity: Degradable solid waste

Brief Description (Need/Impact/Action/Picture): Degradable solid waste collected from cafeteria, Boys and Girls Hostels, Guest Houses and from Residential Quarters are dumped in the Vermicompost Unit to make some Organic fertilizer which are used for Gardening.

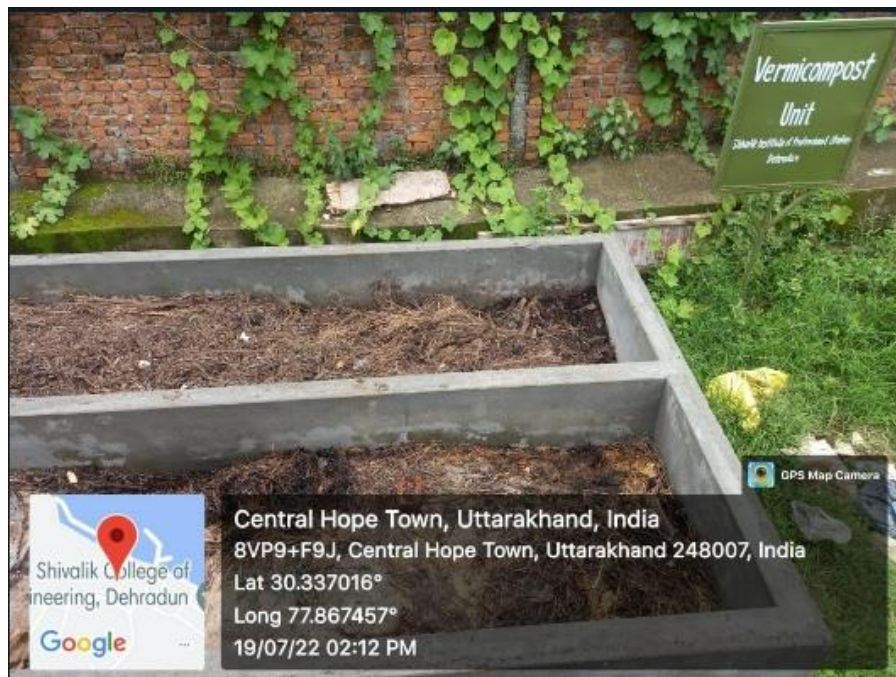


Fig 18.7: Vermicomposting Unit

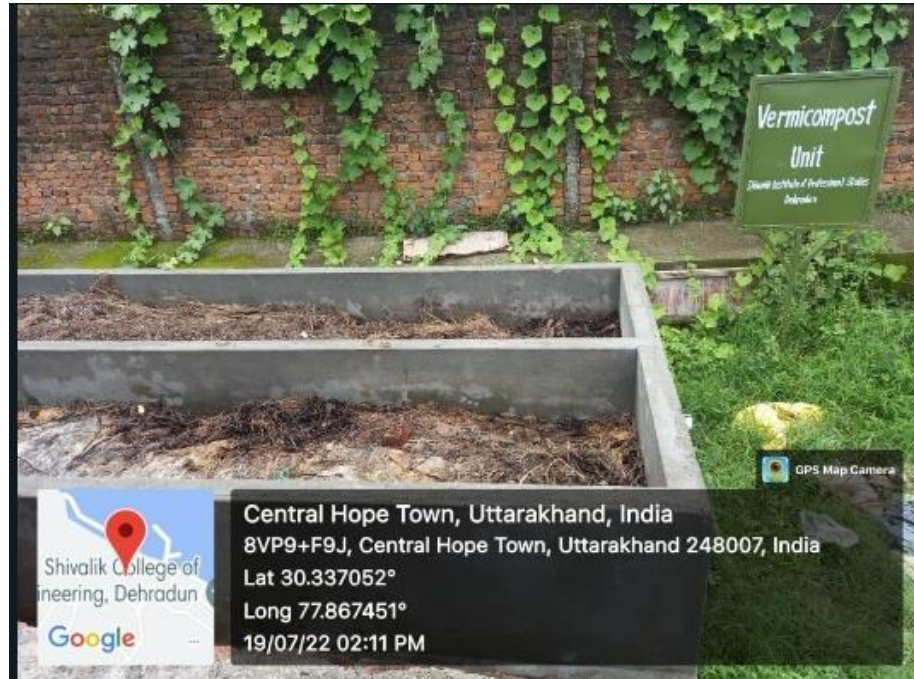


Fig 18.8: Vermicomposting Unit

ACTIVITY 7: SDG#

Title of the Activity: Green Campus Initiatives

Need of the Activity: Green Campus Initiatives Policies

Brief Description: Green Campus is a place where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. The green campus concept offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of mankind. Greening the campus is all about sweeping away wasteful inefficiencies and using conventional sources of energy for its daily power needs, correct disposal handling. Purchase of environment friendly supplies and effective recycling program, Institute has to work out the time bound strategies to implement green campus initiatives. These strategies need to be incorporated into the institutional planning and budgeting process with the aim of developing a clean and green campus.

Major Green Campus Initiatives: 500KW Solar Power Plant

- Waste water management/Rain water harvesting
- E-Waste management
- Single use plastic free campus
- Land scaping with trees and plants
- Restricted entry of automobiles
- Includes successive use of the LED bulbs
- Digital library/E-learning initiatives.

Shivalik Collage of Engineering will work with students. Faculty and support staff to foster a culture of self-sustainability and make the entire campus environmentally friendly. The Green Campus Initiatives (GCI) will enable the institutions to develop their campuses as a cleaner, safer and healthier place to live and work.

Under Green Campus Initiatives: Institute has 500 KW Solar Power plant installed at the top of college building. This will enable the institute to have 24x7 power supply.

- Institute will phase out the CFL and conventional light source such as bulbs and tube lights, halogen and mercury street/campus lights. These steps will not only save the money but make the institute self-sustainable.
- Energy audit will be made mandatory for the Institute.
- Institute has to work in the direction of waste and water management/Rain Water Harvesting.
- Use more readout material in soft form. To reduce the hard readout material. Use more of ERP/E-mail for officially communicating the information needed, online reading etc.

Save Energy will be the motto of every day's working in each institute. Every Institute will purchase only energy star compliant computers and equipment's If energy star is unavailable. Purchase the most energy-efficient model available in the market.

["Earth provides enough to satisfy everyman's need, but not everyman's greed"]

Mahatma Gandhi : Institute will make all the necessary efforts to involve the student, faculty and staff in "Green Campus Initiatives" Institute will make all the necessary efforts to involve the student, faculty and staff in " Green Campus Initiatives" through conducting regular awareness programs incorporation with NSS Unit of the college.

Save Energy Tips:

1. Active power management features on your computer and monitor so that it will go into a low power "sleep" mode when you are not working on it.
2. Turn off your monitor when you leave your Table.
3. Activate power management features on your laser printer.
4. Whenever possible. Shut down rather than logging off.
5. Turn off unnecessary lights and use day light instead.
6. Avoid the use of decorative lighting.
7. Use LED or compact fluorescent bulbs.
8. Keep lights off in conference rooms, class rooms, lecture halls when they are not in use.
9. Use the fans only when they are needed.
10. Unplug appliances not plugged in to power strips (like TVs, Refrigerators, ACS, tea/coffee pots, printers, faxes, and chargers etc.)

Environment and Energy Usage Policy: Our policy is to reduce the Impact of the college operations on the environment and energy usage, through its Green Campus initiatives. The goal is to promote sustainability and environmental awareness at all levels of the college by:

- Complying with all applicable environmental legislation and sustainability commitments
- Preventing pollution and reducing consumption of resources through waste management strategies that promote waste minimization re-use, recovery and recycling, as appropriate.
- Incorporating energy efficiency measures into the college facilities and promoting efficient energy use in all areas of the campus activity.
- The College promotes and continues to invest in the technologies that provide the alternate sources of energy.
- College ensures that our staff and students are aware of the environmental impacts of their work activities and encourage them through conducting regular awareness programs to minimize those impacts.

- Promoting the protection and enhancement of biodiversity and ecosystem through awareness programs in corporation with NSS unit of the college.
- The college promotes and practices various facilities in the campus for the waste management of the degradable and non-degradable waste.
- The college encourages the green campus practices by taken initiatives such as restricted entry of automobiles. Ban on the use of plastics and promoting the tree plantation inside the campus.

Core Values:

Integrity: Integrity is defined as, “Adherence to moral and ethical principles, soundness of moral character, honesty. “Having integrity means being totally honest and truthful in every part of your life. But making the commitment of become a totally honest person, you will be doing more to ensure your success and happiness in life than any thing else you can ever do. Students with integrity will work hard to earn their degrees in a fair and honest way by putting in the hours to study and complete assignments. When a student intentionally cheats through institute, this integrity is compromised and the value of the degree and the morals of the individual are diminished. This lack of credibility them follow you into the work force and can impact your professional goals.

Respect: Respect could be defined as a feeling or understanding that someone is important, serious, etc, and should be treated in an appropriate way. Being respectful towards people is a key aspect in life in order to form and maintain positive relationships in order to become successful. If you treat them with kindness, they will be kind back. One way to show respect towards other people to treat others the way you would want to be treated.

Open-mindedness: Being open –minded means you have a willingness to listen to other ideas and opinions and consider the possibility that you are wrong or may change your own perspective. Open-mindedness can Advance mutual understanding. Which accommodates the ideal of students working constructively and cohesively to ward achieving common goals, despite intense disagreement?

Discipline: The word “Discipline “comes from the word “Disciple” meaning a learner. Discipline means tearing to obey certain rules. Without it, there will be complete chaos and disorder everywhere in our society. There are some rules that control our activities. If we do not respect these rules, our life will be like a boat without the boatman. The ability for an individual to have self-restraint allows them to behave inconsistently stringent and controlled manner. A lack of this ability can have disastrous results.

Tolerance: Tolerance can be seen as the willingness to accept feelings, habits, or belief’s that are different from your own. Tolerance means how to see the world from the perspective of others, not just your perspective. Tolerance plays an important role in our everyday life in our society. Never before have we had so many opportunities to connect and communicate with different cultures and languages. Our society has become increasingly multicultural, enriched by the aspirations of migrants. Transnational’s and displaced peoples. Tensions arising from religious, cultural and linguistic difference are increasing, but tolerance an effective and sustainable way of ensuring our young people understand diversity and that’s why this value is so present in codes of ethical student conduct.

Team spirit: Team spirit can be defined as when the members of a group want the team to succeed. Team spirit improves the ability of individuals to work together and boosts morale. In an academic context, this in an opportunity to make friends and talk with others, each student

can benefit on a personal level from teamwork. A team of students must actively listen to each other, articulate ideas and use genuinely constructive criticism to be effective.

Sense of Responsibility: Responsibility is one of the traits of our character which means that a person is able to respond for his actions, is able to take some duties and to face certain consequences of the actions that may occur. Responsible people can be trusted, and this benefits both the person and the people counting on the responsible person.

Single use plastic Free Campus policy: Plastics, being a Hazardous element in the society posing a major threat to the livelihood of Mankind and other beings in the world. The environment is getting polluted at the never before pace sparing no mediums due to plastics. So it is becoming a Key responsibility of every citizen of our country not just to “Say No to plastics” but also to create awareness among the community as a whole to stop this pollution and leave behind a green and pollution free place for our future generations. So, strongly supporting the cause, Shivalik College of Engineering, Dehradun initiated the ban on Plastics in its campus, in particular single use plastics.

Definitions: Campus: Anywhere within the boundary of the college.

Event: Any activity, meeting conference, seminar, workshop, performance, speech or gathering that takes place on the campus.

Single use: Any item designed to be used once and then disposed of or destroyed.

Single use Plastic food service ware: Any bags, straws, cups, containers, lids, cutlery, stirrers, or plates that are made of plastic and intended only for one-time use. This definition includes compostable or biodegradable plastics (such as Oxo bio degradable or vegetable-based plastics)

Single use Plastic bottles: Any formed or molded containers comprised predominantly of plastic resin and intended primarily as a single-use container containing any beverage for human consumption. This definition includes compostable or biodegradable plastic bottles meeting these criteria.

Single-use plastic banners: Any shape of banner made of plastic and intended only for one-time use. This definition includes compostable or bio degradable plastics (such as Oxo biodegradable or vegetable-based plastics)

Environmentally-responsible alternatives: Any item or system that can replace the items restricted by the policy that is completely free of disposable plastic.

Compostable: Made solely of organic substances that break down into a stable product due to the action of bacteria in a controlled, aerobic process that result in a material safe and desirable as a soil amendment.

Biodegradable: Made solely of substances capable of being decomposed by bacteria or another living organism.

Scope: Following the mantra REDUCE, REFUSE & RECYCLE, the college has resolved to implement ban of plastics in the following fashion.

- Ban on Single-use plastic packing material in Canteen & stores.
- Identification & implementation of replacements for alternative food and beverages that are sold in canteen which comes in plastic packaging
- Ban on single-use bottles of 1 litre or less in volume for in-house meeting and events
- Reduction in usage of Single-use plastic banners
- Segregation of Non-biodegradable plastics by House Keeping staff & safe disposal of the same through authorized agencies.
- Ban on use of plastic materials used for decorations at the events.

Implementation and Compliance : The college will deploy a team of GREEN WARRIORS for the mission comprising faculty advisors who will ensure the planning and implementation of this phase-wise plastic ban in the campus.

- They also prepare the agenda for next phase of ban implementation.
- All departments inside the campus are responsible for organizing or hosting events and activities in college premises are responsible for ensuring compliance with the policy.
- College management is responsible for ensuring that the necessary facilities and procedures are in place to enable implementation of the policy, with support from the purchase committee, committee on catering and others.
- The committee will be responsible for ensuring that restricted items are not sold or distributed in catering outlets. Vending machines, or retail outlets on campus.
- The committee will also be responsible for ensuring that catering and retail outlets will use eco-friendly materials for their packing or serving of food & beverages.

Awareness & Campaigns: The Green Warriors will also carry out awareness drives and sensitizing workshops on the harmful impacts of single use plastics among the students and staff to encourage following:

- Every student will strive to make his/her house hold plastic free.
- Students to be incentivized to carry out similar campaigns at community level
- Installation of necessary alternative facilities like water units to avoid the purchase and use of plastic water bottles.
- Ensure presence of alternative solutions like cloth bags etc, to plastic bottles covers and other goods on campuses.
- Conducting events and poster competitions etc. on designing ecological and environment friendly goods to minimize the use of single use plastic.

ACTIVITY 8: SDG#

Title of the Activity: Quality audits on environment

Need of the Activity: Quality audits on environment and energy are regularly undertaken by the institution

ACTIVITY 9: SDG#

Title of the Activity: Best Practices in College Campus for Solid Waste Management

Need of the Activity: Solid Waste Management:

Brief Description (Need/Impact/Action/Picture): Solid Waste Management:

Pollution from waste is aesthetically unpleasing and results in large amounts of litter in our communities which can cause health problems. Solid waste can be categorized into three types: biodegradable, non-biodegradable and hazardous waste. Bio-degradable wastes include food wastes, canteen waste, wastes from toilets etc. Non-biodegradable wastes include plastic, tins and glass bottles etc. Hazardous waste is waste that is likely to be a threat to health or the environment like cleaning chemicals, acids and laboratory chemicals. Each and every department of Shivalik College of Engineering (SCE) as well as administrative offices create some waste and dumped in small waste bin located in the department. Each building several dust bins are placed from where housekeeping staffs take the wastes. From the small bin wastes are dumped in big bin by the housekeeping staffs regularly. From the big waste bins the car from Dehradun Municipal Corporation took the solid wastes.

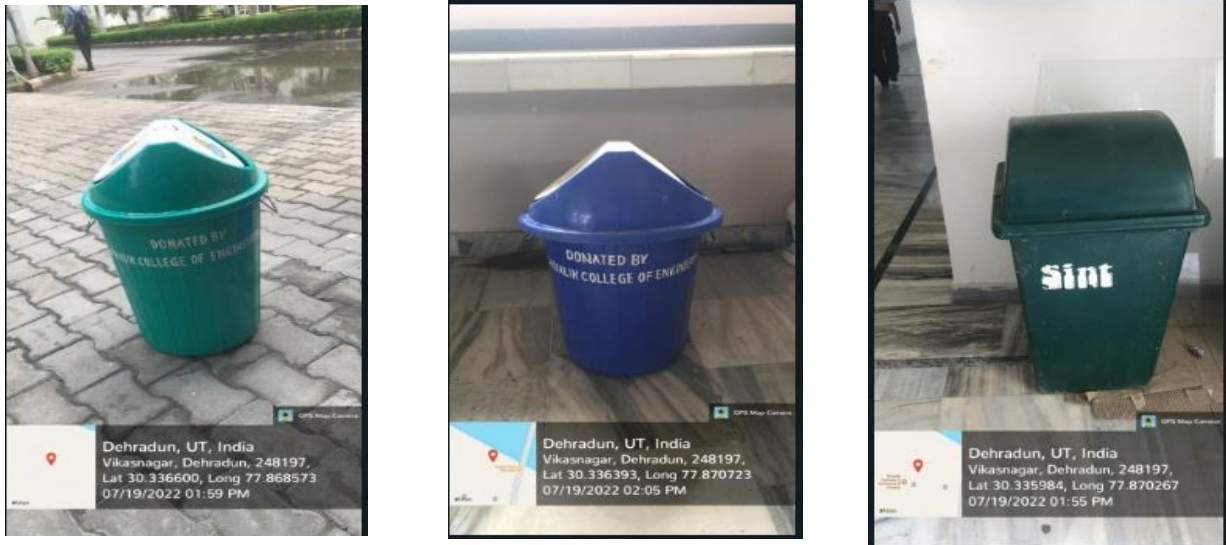


Fig 18.9 Dustbins for waste collection (Wet/Dry) placed at various location at campus

Title of the Activity: Best Practices in College Campus for Bio-degradable waste Management:

Need of the Activity: Vermicomposting Unit in Campus for Biodegradable Waste

Bio-degradable wastes are effectively converted to fertilizer by composting technology inside the college campus. A Vermicomposting unit using biodegradable waste from campus and canteen and convert it as fertilizer. After segregation of biodegradable waste from canteens, residential quarters, Hostel and guest houses are collected and dumped in the composting unit in the college campus. College discourages uses of plastic; particularly single use plastics in campus. Paper wastes from Academic Blocks, Library, Pariksha Bhawan, Administrative offices, Hostels, Guest Houses are disposed through vendors. The wastes are properly stacked in designated place and later disposed through vendors for proper waste management. College promotes digital platform (ERP) to reduce the usage of paper for communication/notices and sharing documents.



Fig 18.10 Vermicomposting Unit in Campus for Biodegradable Waste

ACTIVITY 10: SDG#

Title of the Activity: Waste Recycling System: Degradable solid waste

Need of the Activity: Degradable solid waste

Brief Description (Need/Impact/Action/Picture): Automatic Sewage Cleaning Machine
Mr. Shivasheesh Kaushik (Assistant Professor, Mechanical Engg.) and Team of Students of MED have developed Automatic Sewage Cleaning Machine which is also solar powered. A patent has been filed by Dr. Kuldeep to patent this technology (Patent Details: "Solar Powered Cart" IPO (Indian Patent) with Application Number 202211035141 - dated 08/07/2022)
Patent Details: "Solar Powered Cart" IPO (Indian Patent) with Application Number 202211035141 - dated 08/07/2022



Fig. 18.11: Automatic Sewage Cleaning Machine

ACTIVITY 11: SDG#

Title of the Activity: Renewable Energy: Solar Energy System

Need of the Activity: Renewable Energy

Brief Description (Need/Impact/Action/Picture): Solar Energy

Solar energy is produced by the sun's light - photovoltaic energy offers many benefits that make it one of the most promising energy i. Renewable, ii. Inexhaustible, iii. Non- polluting, iv. Avoids global warming, v. Reduces use of fossil fuels, vi. Reduces energy imports, vii. Contributes to sustainable development.

The Ministry of New and Renewable Energy (MNRE), Govt. of India has been promoting the aim to develop and deploy New and Renewable energy for supplementing the energy requirement of the country.

The rooftop solar PV power plant of capacity 500 KW had been installed on the rooftops of various buildings. Solar Plate installed on the roof top of each building

Solar Water Heater : SCE have installed solar water heaters at all hostels for students on hostel rooftops.

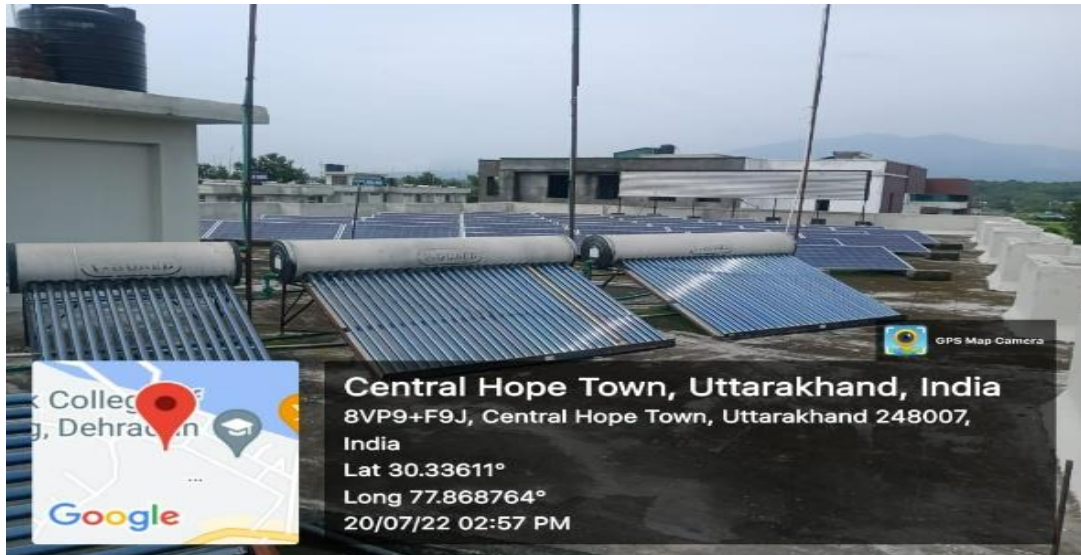


Fig. 18.12 : Solar Water Heater Installed on Rooftop

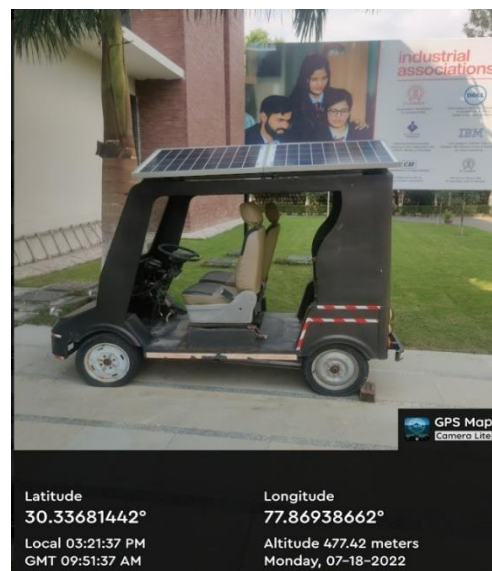
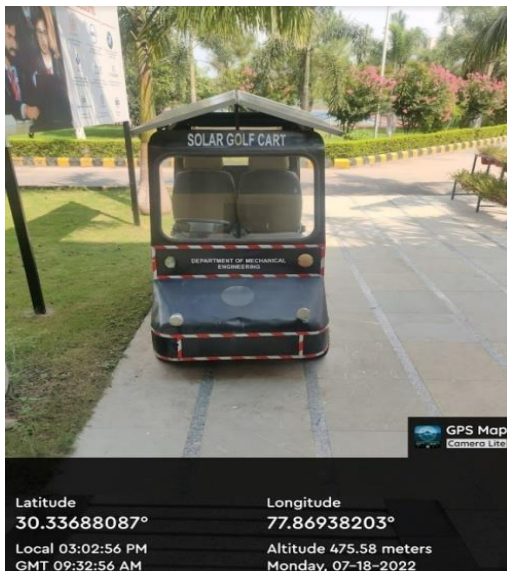


Fig. 18.13: Solar Powered Carts

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Organizing and Participation/Celebration of all activities related to environment and well being Eg- 21st March - World Forestry Day. 22nd March - World Water Day. 22nd April - World Earth Day. 5th June - World Environment Day
2	Planting physical plants directly connects students to the environment.
3	International Plastic Bag Free Day encourages reducing plastic bag usage to combat plastic pollution.
4	Celebrating environmental-awareness-days-for-upcoming academic year
5	Encourage students to observe and record weather conditions daily. You can use resources like the Community Collaborative Rain, Hail, and Snow Network.

Balwant Singh Mukhiya College of Engineering, Roorkee

SDG PROGRESS REPORT: 2023-24

SDG Coordinator's Name : Prof. (Dr.) Raja Ram Prasad
 Email : bsmcoeroorkee@gmail.com
 Phone Number : 9548305112

S. N.	Information on Identified SDGs	No. of Major Activities
1	SDG 3: Good Health and Well Being	3
2	SDG 4: Quality Education	6

List of Activities:

Activity 1: SDG 03:

Title of the Activity: 'Swach Bharat Rally' on October 02, 2023

Need of the Activity: For our local area swachta.

Brief Description (Need/Impact/Action/Picture): BSM College of Engineering, Roorkee has conducted the rally for swach Bharat Abhiyaan in the region of our college villages. By this rally, All students make the slogan on Takhti and showing in the villages. All students motivate to all villagers to take action on swachta to nearby home and road etc.

Activity 2: SDG 03:

Title of the Activity: 'Tree Plantation'

Need of the Activity: To motivate the students for more plantations that will help to earth and pollution.

Brief Description (Need/Impact/Action/Picture): Increasing deforestation and carbon emissions necessitate reforestation for biodiversity and climate regulation. Tree plantation enhances air quality, mitigates climate change, and restores habitats for wildlife. Organize community tree-planting events, promote sustainable forestry practices, and support reforestation initiatives globally.

Activity 3: SDG 03:

Title of the Activity: International Yoga Day

Need of the Activity: The International Yoga Day addresses the global need for physical and mental well-being amid modern stresses. It promotes holistic health through yoga, fostering harmony and balance in individuals and communities worldwide.

Brief Description (Need/Impact/Action/Picture): To promote holistic health and well-being worldwide amidst increasing stress and lifestyle diseases. Raises awareness about the physical, mental, and spiritual benefits of yoga, fostering harmony and balance in individuals and communities. Organizes global yoga sessions, workshops, and events to encourage participation and adoption of yoga practices.

Activity 1: SDG 04:

Title of the Activity: “3 days Induction Programme”.

Need of the Activity: Organizing a 3 days induction programme. In this programme all student learn the how to study in future coming year. All teachers motivated to student to take the good quality education in our institution.

Brief Description: All teachers motivated to student to take the good quality education in our institution and giving the guidance to learn the technical approach and college environment with discipline.

Activity 2: SDG 04:

Title of the Activity: Awareness Programme for Voting ‘Mera Pehla Vote Desh Ke Liye’.

Need of the Activity: "Mera Pehla Vote Desh Ke Liye" is an awareness program designed to engage and empower first-time voters in India. The initiative focuses on the importance of voting as a fundamental right and civic duty.

Brief Description: The "Mera Pehla Vote Desh Ke Liye" awareness program is crucial to educate and motivate citizens about the significance of voting. It aims to instill a sense of civic responsibility and empower the electorate to participate actively in democratic processes. By encouraging first-time voters, the initiative seeks to strengthen democratic values, ensure inclusive representation, and foster informed decision-making for the nation's future. This initiative is vital to combat voter apathy and promote a robust democracy where every vote counts towards shaping the country's governance and policies.



Fig. 19.1

Activity 3: SDG 04:

Title of the Activity: "Meri Maati Mera Desh"

Need of the Activity: "Meri Maati Mera Desh" aims to empower individuals and communities to become proactive agents of change, contributing towards a greener and more sustainable future for India.

Brief Description: "Meri Maati Mera Desh" is a multifaceted program dedicated to environmental conservation and community engagement in India. It aims to foster sustainable development practices while nurturing a sense of responsibility towards the environment and local communities.

Activity 4: SDG 04:

Title of the Activity: 'Akhil Bhartiya Shiksha Sangam-2023' Programme

Need of the Activity: "Akhil Bhartiya Shiksha Sangam-2023" plays a pivotal role in shaping the future of education in India by promoting excellence, inclusivity, and innovation in the sector.

Brief Description: The "Akhil Bhartiya Shiksha Sangam-2023" is a national educational summit aimed at fostering collaboration, innovation, and excellence in the Indian education sector. It brings together educators, policymakers, and stakeholders to share insights, best practices, and strategies for addressing challenges in education. The summit includes workshops, panel discussions, and networking opportunities to empower educators, promote professional development, and encourage leadership in educational reform. By facilitating dialogue and partnerships among educational institutions, the summit aims to drive positive change and ensure quality education for all in India.



Fig. 19.2

Activity 5: SDG 04:

Title of the Activity: 'Engineer Day'

Need of the Activity: Engineer Day contributes to fostering a culture of innovation, problem-solving, and societal progress driven by engineering excellence.

Brief Description: Engineer Day celebrates the invaluable contributions of engineers across diverse sectors, underscoring their pivotal role in driving innovation and progress worldwide. This day serves as a platform to recognize and honor the dedication and expertise of engineers who design infrastructure, develop cutting-edge technologies, enhance healthcare solutions, and pioneer sustainable practices. It inspires aspiring engineers by showcasing the impact of engineering on society and encourages professional development through knowledge-sharing and networking opportunities. Engineer Day also raises public awareness about the importance of engineering in addressing global challenges and improving quality of life, promoting continued investment in education and research within the field.

Activity 6: SDG 04:

Title of the Activity: 'Yuva Mahotsav'

Need of the Activity: Yuva Mahotsav serves as a vital platform for youth to showcase their talents, foster cultural exchange, and inspire community engagement.

Brief Description: Yuva Mahotsav is essential for nurturing youth talent, promoting cultural exchange, building confidence, fostering community engagement, and inspiring leadership among young individuals.



Fig. 19.3

Activity 7: SDG 04:

Title of the Activity: Internship in Civil Department at CBRI, Roorkee

Need of the Activity: Internship at CBRI, Roorkee's Civil Department provides practical experience, industry exposure, and skill development crucial for aspiring civil engineers.

Brief Description: An internship at CBRI (Central Building Research Institute) in Roorkee's Civil Department offers a valuable opportunity for aspiring civil engineers to gain practical experience and industry exposure. Participants engage in hands-on projects related to construction materials, structural analysis, and innovative building techniques, under the guidance of experienced professionals. This experience not only enhances their theoretical knowledge but also equips them with essential practical skills essential for their careers. Interns have the chance to contribute to research initiatives, exploring cutting-edge technologies and sustainable construction practices. Moreover, the internship facilitates networking with industry experts and fellow interns, fostering valuable connections that can support their professional growth. Overall, CBRI's internship in the Civil Department serves as a crucial stepping stone for young engineers, preparing them comprehensively for future roles in the field of civil engineering.

Jagannath Vishwa Law College, Dehradun

SDG PROGRESS REPORT: 2023 24

SDG Coordinator's Name : Dr. Vimal Kumar Jha
 Email : jvclawcollege@gmail.com
 Phone Number : 9973265530

S. N.	Information on Identified SDGs
1	Goal 5: Gender Equality
2	Goal 16: Peace, Justice and Strong Institutions

List of Activities:

ACTIVITY 1: SDG #

Title of the Activity: GENDER EQUALITY

Need of the Activity: Gender equality, also known as sexual equality or equality of the sexes, is the state of equal ease of access to resources and opportunities regardless of gender, including economic participation and decision-making; and the state of valuing different behaviors, aspirations and needs equally, regardless of gender. Gender equality is not only a fundamental human right, but a necessary foundation for a peaceful, prosperous and sustainable world.

Brief Description (Need/Impact/Action/Picture): Gender inequality underlies family violence and violence against women. There are four gendered drivers of violence:

- condoning violence against women
- men's control of decision-making and limits to women's independence in public and private life
- rigid gender stereotyping and dominant forms of masculinity
- male peer relations and cultures of masculinity that emphasizes aggression, dominance and control
- The best way to prevent violence against women is to promote gender equality.



Fig. 20.1

ACTIVITY 2: SDG#

Title of the Activity - PEACE, JUSTICE AND STRONG INSTITUTIONS

Need of the Activity: To promote the rule of law and guarantee equal access to justice. To reduce the flow of illicit finance and arms, corruption and bribery in all their forms. To provide access to legal identity for all people through birth registrations.

Brief Description (Need/Impact/Action/Picture): In order to achieve peace, justice, and strong institutions, it is necessary to build and maintain a culture of mutual respect and understanding. This requires the active participation of all members of society, including the government, civil society, and the private sector. Peace, justice, and strong institutions are three essential elements of a stable and prosperous society. Together, they provide the foundation for a secure and just community, where individuals can live and thrive in safety and security. Peace is the absence of violence, fear, and conflict. It is essential for the well-being of individuals and communities, and is a prerequisite for sustainable development. In order to achieve peace, it is necessary to address the root causes of violence and conflict, such as poverty, inequality, and marginalization. This can be done through the implementation of policies that promote economic and social development, as well as through the promotion of dialogue and reconciliation between different groups.



Fig. 20.2

ACTIVITY 3: SDG#

Title of the Activity - YOGA FOR SELF AND SOCIETY

Need of the Activity: Yoga supports stress management, mental health, mindfulness, healthy eating, weight loss and quality sleep. Lie down with your limbs gently stretched out, away from the body, with your palms facing up.

Brief Description (Need/Impact/Action/Picture): “By practicing yoga, a spirit of oneness is created- oneness of the mind, body and intellect, oneness with our families, with the society we live in, with fellow humans, with all the birds, animals and trees with whom we share our beautiful planet..... this is yoga.” – Narendra Modi, Hon’ble Prime Minister The hustling metropolitan lifestyle to secure a standard life comes with its own opportunity cost- the peace of mind. It is here that yoga comes up as a bridge to narrow the gap between the mind and the body, a bridge made up of good vibes that heals and leads to the discovery of oneself. Simply put, the benefits of yoga are manifold- physical, psychological, social and spiritual which enables us to weave a more structured pattern of living. As Bhagavad Gita puts it, “yoga is the journey of the self, to the self, through the self.” Yoga combines strength and flexibility exercises along with relaxation and meditation. Hatha, one of the most popular styles of yoga focusses on pranayamas, followed by asanas and savasana. Yoga supports the healing process and thereby makes a significant contribution in health care, education, sustainable development

issues. We have often heard about the benefits of yoga in the physical domain- like it improves posture of joints, helps in the functioning of respiratory, digestive organs, maintains flexibility of body, enhances oxygen supply but what goes unnoticed is the fact that yoga also plays a pivotal role in psychological well-being of a person. It calms the mind, increases concentration and brings emotional stability. It plays a significant role in reducing the emotional, stressful baggage and is also helpful in curing behavior al disorder, nervous breakdown, maniac depression.



Fig. 20.3

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Clean and Green Campus
2	Free Legal Aid for Everyone.
3	Health awareness camp.
4	Sports Day

Pragati College of Pharmacy, Kashipur

SDG PROGRESS REPORT: 2023 24

SDG Coordinator's Name : Akansha Chauhan
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Sr. No.	Information on Identified SDGs
1	Quality Education
2	Industry, Innovation and infrastructure
3	Peace, Justice & Strong Institutions

List of Activities:

ACTIVITY 1: SDG #

Title of the Activity: Quality Education: Education is a fundamental human right and a cornerstone of sustainable development. Quality education is essential not only for individual growth but also for societal progress. It equips individuals with critical thinking skills, empowers them to make informed decisions, and fosters a sense of responsibility towards their community and the environment.

Need for Quality Education: The need for quality education arises from a multitude of factors. Firstly, access to education is not uniform across the globe. According to UNESCO, over 260 million children and adolescents are out of school, with many more receiving inadequate education. This disparity is particularly pronounced in low-income countries, conflict zones, and rural areas, where educational resources are scarce. Moreover, the traditional education systems in many regions are failing to equip students with the necessary skills for the modern job market. As economies shift toward technology and innovation, the demand for critical thinking, creativity, and problem-solving skills has intensified. Yet, many educational institutions continue to emphasize rote memorization and standardized testing, which do not prepare students for real-world challenges. Furthermore, the impact of the COVID-19 pandemic has exacerbated existing educational inequalities, pushing millions of children out of school and further straining educational systems. The pandemic has underscored the urgent need for resilient and adaptive educational frameworks that can withstand future disruptions.

Impact of Quality Education: The impact of quality education is profound and multifaceted. On an individual level, education enhances personal development and self-efficacy. Individuals who receive quality education are more likely to secure better employment opportunities, earn higher incomes, and enjoy improved health outcomes. Studies indicate that educated individuals tend to make healthier lifestyle choices, which leads to longer life expectancy. On a broader societal scale, quality education promotes social cohesion and reduces inequalities. Educated populations contribute to more stable and prosperous societies. Countries with high literacy rates and robust educational systems tend to experience greater economic growth and social mobility. For instance, investments in education have been shown to yield significant economic returns, with every additional year of schooling correlating with increased income. Moreover,

quality education fosters informed and active citizenship. Educated individuals are more likely to participate in civic activities, advocate for their rights, and engage in democratic processes. This participation is crucial for the health of democracies and the promotion of social justice.



Fig. 21.1 Dr Tanu Rathore Receiving Award from Amar Ujala for their contribution for women education, quality education & women empowerment.

Action for Quality Education: Achieving quality education requires concerted efforts from multiple stakeholders, including governments, non-governmental organizations (NGOs), communities, and the private sector.

Government Initiatives: Governments must prioritize education in national budgets and policies. This involves not only increasing funding but also ensuring that resources are allocated efficiently to areas where they are most needed. Teacher training is crucial; educators should be equipped with the latest pedagogical strategies and tools to engage students effectively. Additionally, curricula should be regularly updated to reflect the changing needs of the job market and society at large.

Inclusive education policies are essential to ensure that marginalized groups, such as girls, children with disabilities, and those from low-income families, have equal access to quality education. Strategies such as scholarships, community outreach programs, and flexible learning options can help bridge the gap.

Role of NGOs and Community Organizations: NGOs and community organizations play a vital role in complementing governmental efforts. They can implement targeted programs that support underprivileged populations, provide resources for schools, and offer mentorship and tutoring to students. Community engagement is essential to ensure that educational initiatives are culturally relevant and effectively address local needs.



Fig. 21.2 : Blood Donation Camp Held in Pragati College of Pharmacy Kashipur

Innovative Solutions: Embracing technology can also enhance educational access and quality. Digital learning platforms, online courses, and mobile education applications can reach students in remote areas where traditional schools may not be available. These tools can provide personalized learning experiences, enabling students to learn at their own pace and style. Furthermore, partnerships with the private sector can foster innovation in education. Businesses can support educational initiatives through funding, resources, and expertise, creating a synergy between education and industry that benefits both students and employers.



Fig. 21.3: Pharmacy Jagrukta Yatra held by Pragati College of Pharmacy in Collaboration with Pragati Hospital

Conclusion: Quality education is an essential component for individual empowerment and societal advancement. The pressing need for quality education is evident in the disparities that exist across the globe and the inadequacies of many current educational systems. The impact of quality education transcends personal benefits, promoting economic growth, social cohesion, and informed citizenship. To realize the potential of quality education, it is imperative that all stakeholders take decisive action. By investing in education, prioritizing inclusivity, and leveraging innovative solutions, we can create an equitable educational landscape that empowers individuals and strengthens communities. In doing so, we pave the way for a more sustainable, prosperous, and just world for future generations.

Next action plan:

S. N.	Activity to be conducted (along with reason)
1	Group discussion among pharmacy students on improving quality education.
2	Health camp to be conducted within 3 months for routine check-ups.
3	Seminar on Recycling & Reusing waste.

JB Institute of Technology, Dehradun

SDG PROGRESS REPORT: 2023-24

SDG Coordinator's Name : Prof. (Dr.) P. K. Chaudhary
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S.N.	Information on Identified SDGs	No. of Major Activities
1	SDG 3: Good Health and Well Being	15
2	SDG 4: Quality Education	21

Background Details: This is for the kind information of the competent authority that JB Institute of Technology, Dehradun has been awarded as UTU Star at 3rd Rank by VMSB Uttarakhand Technical University amongst all institutions of session 2022-23. Furthermore, this institution has been recently Accredited by NAAC 'A' Grade with a good score of 3.17. It is humbly requested to please consider this detailed report to bless us further encouragement to strive for the quality.

ACTIVITY 1: SDG 03

Title of the Activity: 'Blood Donation Camp' on July 28, 2023

Need of the Activity: Organizing a blood donation camp is vital for maintaining an adequate blood supply in healthcare facilities, ensuring lifesaving treatments are available when needed. Such camps raise awareness about the importance of blood donation, encourage community participation, and help save countless lives by replenishing stocks that are critical in emergencies and surgeries.

Brief Description (Need/Impact/Action/Picture): On July 28, 2023, JB Institute of Technology in Dehradun hosted a significant blood donation camp in collaboration with the Indian Red Cross Society and Shri Mahant Indiresch Hospital, Dehradun. This vital initiative was aimed at supporting the urgent medical needs of patients at Shri Mahant Indiresch Hospital, underscoring the community's commitment to healthcare and lifesaving measures.



Fig. 22.1 : Blood Donation Camp at JBIT on 28 July 2023

ACTIVITY 2: SDG 03

Title of the Activity: ‘Blood Donation Camp & Fight against Dengue and Malaria’ on September 11, 2023

Need of the Activity: The blood donation camp aims to bolster the blood reserves crucial for medical emergencies and treatments, especially in battling prevalent health concerns like Dengue and Malaria. It also serves to foster a spirit of community service and social responsibility among participants, enhancing their contribution to humanitarian efforts.

Brief Description (Need/Impact/Action/Picture): On September 11, 2023, JB Institute of Technology hosted an impactful blood donation camp on its campus, in partnership with Dev Bhoomi Vikas Sansthan, the National Service Scheme (NSS), and the Indian Red Cross Society. The event was distinguished by the presence of notable figures such as Hon'ble Trivendra Singh Rawat, the former Chief Minister of Uttarakhand; Hon'ble Smt. Mala Rajya Laxmi Shah, Member of Parliament; Hon'ble Dr. Dhan Singh Rawat, Minister of Health and Education of Uttarakhand; and Hon'ble Smt. Madhu Chauhan, Zila Panchayat Adhyaksh of Dehradun. These leaders offered their support and encouragement, greatly motivating the participants. The camp was strategically organized to address the urgent need for blood in treating diseases such as Dengue and Malaria, prevalent in the region. It provided a platform for students and staff to contribute to a vital cause, fostering a sense of community and social responsibility. This event not only helped replenish local blood supplies but also served as a vivid demonstration of effective collaboration between educational institutions and governmental bodies in promoting public health and welfare initiatives.



Fig. 22.2 : BLOOD DONATION CAMP at JBIT on 11 Sep 2023

ACTIVITY 3: SDG 03

Title of the Activity: Awareness Programme on ‘Blood Donation’ on 22.09.2023

Need of the Activity: Increased awareness of the process of blood donation, including eligibility criteria, benefits, and potential impact on both donors and recipients.

Brief Description (Need/Impact/Action/Picture): An awareness programme on blood donation under Unnat Bharat Abhiyan Project was conducted on 22-09-2023 in ShankarpurHukumatpur, Sahaspur, Dehradun. During this programme to improved understanding among the target audience about the critical need for blood donation in saving lives during emergencies, surgeries, and medical treatments.



Fig. 22.3: Awareness programme on blood donation on 22 Sep 2023

ACTIVITY 4: SDG 03

Title of the Activity: ‘Health-Welfare Schemes of Subharti Hospital’ on 25.10.2023.

Need of the Activity: The MOU between JB Institute of Technology, Dehradun and Dr. KKBM Subharti Hospital addresses a crucial need for accessible and enhanced healthcare services within the educational environment. This partnership ensures that the health and well-being of students, faculty, and the broader community are prioritized, providing immediate access to medical services and fostering a healthy academic community.

Brief Description (Need/Impact/Action/Picture): On this significant day i.e. 25.10.2023, JB Institute of Technology, Dehradun has partnered with Dr. KKBM Subharti Hospital through a

formal MOU, marking a milestone in collaborative healthcare improvement. This alliance is specifically designed to bolster the health services available to students and staff, enriching the campus environment with superior medical care and preventive health programs. By integrating academic and healthcare frameworks, this partnership not only enhances medical responsiveness but also instills a deeper, institution-wide commitment to health and wellness.



Fig. 22.4: JBIT and Subharti Hospital MOU for Healthcare Services 25 Oct 2023

ACTIVITY 5: SDG 03

Title of the Activity: Programme conducted on ‘National Day of Unity’ on 31.10.2023.

Need of the Activity: The National Day of Unity is a significant event celebrated in various countries around the world, aimed at fostering unity, harmony, and solidarity among citizens. This day typically serves as a reminder of the importance of coming together despite differences in culture, religion, ethnicity, or political ideology.

Brief Description (Need/Impact/Action/Picture): A programme on National Day of Unity under Unnat Bharat Abhiyan Project was conducted on 31-10-2023 in JB Institute of Technology, Dehradun. In this programme various teachers, students and senior officers of the institution are participated. The National Day of Unity is an annual observance dedicated to fostering a sense of solidarity, harmony, and inclusivity among citizens within a country. It serves as a reminder of the importance of coming together despite differences in culture, religion, ethnicity, or political beliefs. Typically celebrated through various events, ceremonies, and community initiatives, the day aims to promote understanding, empathy, and reconciliation among diverse groups. It provides an opportunity for government leaders, civil society organizations, and individuals to reaffirm their commitment to building a more cohesive and tolerant society.



Fig. 22.5 Programme on National Day of Unity at 31 Oct 2023

ACTIVITY 6: SDG 03

Title of the Activity: Awareness Programme on ‘Animal Welfare’ on 06.12.2023

Need of the Activity: The awareness program leads to positive changes in attitudes and behaviors towards animals among participants. This may include adopting responsible pet ownership practices, supporting cruelty-free products and practices, and advocating for policies and laws that protect animal rights and welfare.

Brief Description (Need/Impact/Action/Picture): An awareness programme on Animal Welfare under Unnat Bharat Abhiyan Project was conducted on 06-12-2023 in Shankarpur Hukumatpur, Sahaspur, Dehradun. The program fosters greater engagement and collaboration within the community to address animal welfare issues. Participants are encouraged to volunteer at animal shelters, participate in rescue and rehabilitation efforts, and organize educational events and fundraisers to support animal welfare organizations and initiatives.

ACTIVITY 7: SDG 03

Title of the Activity: Awareness Programme on ‘Women Health & Hygiene’ on 11.12.2023.

Need of the Activity: The awareness program leads to positive changes in behaviours related to women's health and hygiene among participants. This may include adopting proper menstrual hygiene practices, seeking timely medical care for reproductive health concerns, practicing safe sex, and adopting healthy dietary habits.

Brief Description (Need/Impact/Action/Picture): An awareness programme on Women Health & Hygiene under Unnat Bharat Abhiyan Project was conducted on 11-12-2023 in Laxmipur, Sahaspur, Dehradun. In this awareness program, participants are connected to resources and support networks that promote women's health and hygiene. This may include access to affordable sanitary products, healthcare services, educational materials, and community-based initiatives focused on women's health promotion. As a result, women have improved access to essential resources for maintaining their health and hygiene.



Fig. 22.6: Awareness programme on women health & hygiene at Laxmipur, Sahaspur on 11 Dec 2023

ACTIVITY 8: SDG 03

Title of the Activity: Awareness Programme on ‘Human Health in the Society’ on 28.12.2023.

Need of the Activity: The awareness programme to raise awareness of the significance of cleaning body, clothes, home, and immediate living space for maintaining health and provide the villagers with first-aid packs filled with generic medications and other items.

Brief Description (Need/Impact/Action/Picture): An awareness programme on Human Health in the Society under Unnat Bharat Abhiyan Project was conducted on 28-12-2023 in Rampur Khurd, Sahaspur, Dehradun. The people in rural areas received guidance on concerns related to individual and communal cleanliness. The students provided the locals with 30 first-aid packs filled with generic medications and distribute free sanitary pads and other supplies for women's health and hygiene were given to rural residents.



Fig. 22.7: Awareness Program on Human Health in the Society at Rampur :28 Dec 2023

ACTIVITY 9: SDG 03

Title of the Activity: Awareness Programme on 'Women Health & Hygiene' on 25.01.2024.

Need of the Activity: The awareness programme is aimed at raising awareness about the significance of women's health and hygiene. It focuses on educating women about proper menstrual hygiene, the importance of regular health check-ups, and maintaining cleanliness. Additionally, the programme provides the villagers with first-aid packs filled with generic medications and other essential items.

Brief Description (Need/Impact/Action/Picture): An awareness programme on Women Health & Hygiene under the Unnat Bharat Abhiyan Project was conducted on 30-01-2024 in Kenhiwala, Sahaspur, Dehradun. The women in the rural areas received guidance on concerns related to menstrual hygiene, general health check-ups, and maintaining cleanliness. The students provided the local women with 50 first-aid packs filled with generic medications and distributed free sanitary pads and other supplies essential for women's health and hygiene. The programme aimed to empower women with knowledge and resources to maintain their health and well-being, ultimately contributing to the overall health of the community.

ACTIVITY 10: SDG 03

Title of the Activity: Awareness Programme on 'POCSO Act, 2012' on 05.04.2024.

Need of the Activity: The awareness programme is aimed at raising awareness about the Protection of Children from Sexual Offences (POCSO) Act, 2012. It focuses on educating the community about the provisions of the Act, the importance of protecting children from sexual abuse, and the legal measures available to ensure the safety and rights of children.

Brief Description (Need/Impact/Action/Picture): An awareness programme on the POCSO Act, 2012 under the Unnat Bharat Abhiyan Project was conducted on 05-04-2024 in Rampur Kala, Sahaspur, Dehradun. The community members were informed about the key provisions of the POCSO Act, the importance of safeguarding children from sexual offences, and the procedures for reporting and addressing such cases. The students engaged with the villagers through interactive sessions, distributing informative brochures detailing the Act's provisions and the steps to take in case of an incident. Additionally, they provided the locals with 25 first-aid packs filled with generic medications and other essential items to support community health. The programme aimed to empower the community with knowledge about the POCSO Act, ensuring a safer environment for children and promoting their well-being and rights.

ACTIVITY 11: SDG 03

Title of the Activity: Awareness Programme on Yoga on International Yoga Day on 21.06.2024

Need of the Activity: The awareness programme is aimed at promoting the benefits of yoga for physical, mental, and spiritual well-being. It focuses on educating participants about incorporating yoga into their daily routines to enhance overall health and quality of life.

Brief Description (Need/Impact/Action/Picture): An awareness programme on Yoga was conducted on International Yoga Day, 21-06-2024, at JBIT Campus, Sahaspur, Dehradun, under the Unnat Bharat Abhiyan Project. The participants, including students, faculty, and community members, were educated on the numerous benefits of yoga, such as improved physical fitness, mental clarity, and stress reduction. The programme featured yoga demonstrations, guided sessions on various yoga postures, breathing techniques, and meditation practices. Additionally, participants were provided with informative materials on the importance of regular yoga practice. The event aimed to inspire individuals to incorporate yoga into their daily lives, promoting a healthier and more balanced lifestyle.



Fig. 22.7: Awareness programme on International Yoga Day at JBIT on 21 Jun 2023

ACTIVITY 1: SDG 04

Title of the Activity: ‘Research Methodology: Design Thinking and Innovation Level’ on 04.08.2023.

Need of the Activity: The workshop on "Research Methodology: Design Thinking and Innovation Level" is designed to address the educational need for a deeper understanding of innovative research methodologies among students and faculty. By focusing on Design Thinking, the workshop aims to foster a culture of innovation, critical thinking, and problem-solving skills that are essential in the academic and professional growth of participants.

Brief Description: On August 04, 2023, JB Institute of Technology hosted a one-day workshop titled "Research Methodology: Design Thinking and Innovation Level" at Swami Vivekananda Hall. Dr. Chhagan Charan from the National Institute of Technology, Kurukshetra, led the session from 11:00 am to 12:30 pm. Organized by Dr. S. C. Sarkar and coordinated by Mr. Saifullah Zaphar, the workshop engaged 92 students and 3 faculty members in an intensive learning experience that emphasized the practical applications of Design Thinking in research. This initiative aimed to equip participants with the tools necessary to approach research with innovative and effective strategies, enhancing their academic and future career pursuits.



Fig. 22.8: Research Methodology: Design Thinking and Innovation Levelon 04/08/2023

ACTIVITY 2: SDG 04

Title of the Activity: ‘Intellectual Property Right (IPR) on: Cultural Heritage and Inventions in Software Development’ on 24.08.2023.

Need of the Activity: The workshop on "Intellectual Property Right (IPR) on: Cultural Heritage and Inventions in Software Development" is vital for educating participants about the importance of protecting intellectual property within the tech industry, particularly in areas that intersect with cultural heritage and software innovation. It aims to enhance understanding of IPR, fostering respect for originality and innovation in the digital realm.

Brief Description: On August 24, 2023, JB Institute of Technology conducted a focused workshop entitled "Intellectual Property Right (IPR) on: Cultural Heritage and Inventions in Software Development" at Swami Vivekananda Hall. Dr. Gaurav Verma, an Assistant Professor from the Department of Electronics and Communication Engineering at the National Institute of Technology, Kurukshetra, led the workshop from 2:00 pm to 3:30 pm. Organized by Dr. S. C. Sarkar and coordinated by Mr. Saifullah Zaphar, this session engaged 95 students and 3 faculty members, providing insights into the application of IPR in safeguarding innovations derived from cultural heritage within software development. The workshop aimed to equip participants with the knowledge to navigate and apply IPR effectively in their future professional endeavours in the tech industry.



Fig. 22.9: Intellectual Property Right (IPR) on: Cultural Heritage and Inventions in Software Development on 24/08/2023

ACTIVITY 3: SDG 04

Title of the Activity: ‘Entrepreneurship Development Program on: Entrepreneurship with Social and Environmental Justice’ on 20.09.2023.

Need of the Activity: The workshop on "Entrepreneurship Development Program on: Entrepreneurship with Social and Environmental Justice" addresses the pressing need to integrate social and environmental considerations into entrepreneurial ventures. This program aims to educate students and faculty about sustainable business practices that align with societal welfare and environmental preservation, fostering a new generation of conscious entrepreneurs.

Brief Description: On September 20, 2023, the JB Institute of Technology held a workshop titled "Entrepreneurship Development Program on: Entrepreneurship with Social and Environmental Justice" at the Mechanical Seminar Hall. Led by Mr. Ankit Yadav, Assistant Manager at Canam Education, Chandigarh, the session ran from 2:00 pm to 3:30 pm. Organized by Dr. S. C. Sarkar and coordinated by Mr. Saifullah Zaphar, the workshop drew participation from 64 students and 4 faculty members. The program was designed to impart knowledge on how entrepreneurship can be leveraged to advance social and environmental justice, equipping participants with the skills to launch ventures that contribute positively to society and the environment.



Fig. 22.10 ‘Entrepreneurship Development Program on: Entrepreneurship with Social and Environmental Justice’ on 20/09/2023

ACTIVITY 4: SDG 04

Title of the Activity: Honeybell Cyber Security Training on 23.09.2023

Need of the Activity: Cybersecurity is a critical concern for organizations and individuals alike, in the wake of increasing cyber threats and vulnerabilities. The training aimed to empower the next generation of IT and AI professionals with essential cybersecurity skills and knowledge. This would not only enhance their employability but also prepare them to contribute effectively to safeguarding digital infrastructures.

Brief Description: The Honeywell Cyber Security Training was a specialized workshop conducted on September 23, 2023, at JB Institute of Technology (JBIT). It was organized by ICT Academy in partnership with Honeywell, as part of Honeywell's CSR efforts. Mr. Aditya, the Relationship Manager from ICT Academy, led the session which targeted students from the

Department of Computer Science & Technology and the Department of AI & ML. The training covered a range of key topics in cybersecurity, focusing on practical and theoretical aspects to equip students with the skills needed to tackle emerging cyber challenges.



Fig. 22.11 Cyber Security Training



Fig. 22.12: Honeybell Cyber Security Training on 23.09.2023

ACTIVITY 5: SDG 04

Title of the Activity: Seminar and Quiz Contest on 17.10.2023.

Need of the Activity: The seminar and quiz contest themed "National Science Day" are essential to celebrate the legacy of Sir C.V. Raman and to foster an appreciation of scientific inquiry and innovation among students. This event aims to deepen understanding of the Raman Effect and its implications in science and engineering, highlighting the importance of continuous innovation and technological advancement.

Brief Description: On October 17, 2023, JB Institute of Technology celebrated National Science Day with a seminar and quiz contest held in the Swami Vivekanand Hall. The event,

convened by Dr. S. C. Sarkar and coordinated by Mr. Saifullah Zaphar, was organized by the C.V. Raman Centre for Research Innovation and Entrepreneurship. It featured a comprehensive schedule from 2:00 pm to 3:30 pm, engaging 120 students and 4 faculty members. The program included discussions on the impact of the Raman Effect and its relevance to current technological innovations, aiming to inspire students with the excitement of scientific discovery and its applications in engineering. Prof. (Dr.) Navneet Arora from Department of Mechanical Engineering IIT Roorkee graced his presence to make this event memorable.



Fig. 22.13: Seminar and Quiz Contest on 17/10/2023

ACTIVITY 6: SDG 04

Title of the Activity: Research Collaboration & MOU with USERC for VIKSIT BHARAT ABHIYAAN on 09/11/2023.

Need of the Activity: The MOU between JB Institute of Technology, Dehradun, and the Uttarakhand Science Education & Research Centre (USERC) is crucial for enhancing research capabilities and extending educational outreach in rural areas. This partnership not only supports academic research at JBIT but also establishes the institute as a pivotal node for the VIGYAAN CHETNA KENDRA under the Unnat Bharat Abhiyaan, aiming to bridge the gap between scientific advancements and rural development.

Brief Description: On November 09, 2023, JB Institute of Technology, Dehradun, formalized a collaboration with the Uttarakhand Science Education & Research Centre (USERC) through a Memorandum of Understanding. This strategic alliance is intended to bolster research support at JBIT and appoint the institute as the nodal office for VIGYAAN CHETNA KENDRA. This initiative, part of the Unnat Bharat Abhiyaan, aims to promote scientific awareness and implement development projects in adopted villages, thereby enhancing the institute's role in community engagement and rural development. On this day, Dr. Anita Rawat, Director, USERC also release a notable book containing 10 Ideas for the VIKSIT BHARAT ABHIYAAN written by Mr. Sumit Kumar, Associate Professor, Dept. of Mechanical Engineering, JB Institute of Technology, Dehradun.



Fig. 22.14: Research Collaboration with USERC & release of 10 Ideas for Viksit Bharat Abhiyaan by the good hands of Dr. Anita Rawat, Director, USERC on 09/11/2023

ACTIVITY 6: SDG 04

Title of the Activity: MOU between JBIT and Government Degree College, Dehradun Shahar on 14.05.2024.

Need of the Activity: The need for quality education is paramount, and collaborations between institutions can significantly enhance the learning experiences for students and faculty alike. The MOU between JBIT (NAAC ‘A’ Accredited) and Government Degree College, Dehradun Shahar, aims to create a synergistic relationship that benefits the students and teaching fraternity of both institutions. This partnership will facilitate the exchange of knowledge, resources, and expertise, fostering an environment of academic excellence and innovation.

Brief Description of the Activity: To mark the signing of the MOU between JBIT and Government Degree College, Dehradun Shahar, a special event was organized. JBIT was honored to host Dr. M. P. Nagwal, Principal; Dr. D. N. Tiwari, Professor of Hindi Literature; and Dr. Kuldip, Professor, Department of Physics from Government Degree College, Dehradun Shahar. These esteemed guests delivered insightful talks on various academic and professional topics. The sessions were designed to benefit students, faculty, management, industry, and the surrounding community and will soon be broadcasted on social media platforms to reach a wider audience.



Fig. 22.15: MOU between JBIT and Government Degree College, Dehradun Shahar 14.05.2024

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S.N.	Information on Identified SDGs
1	Quality Education
2	Gender Equality
3	Affordable and Clean Energy
4	Industry, Innovation, Infrastructure

ACTIVITY 1: SDG#

Title of the Activity: Major Projects of Final year students 2023-24

Need of the Activity:

1. Industry Readiness: A major project prepares students for the expectations and challenges of the industry.
2. Assessment and Evaluation: It provides a comprehensive assessment of a student's understanding, skills, and competencies.

Brief Description (Need/Impact/Action/Picture): A major project is a crucial component of engineering courses for several reasons:

1. Practical Application: A major project allows students to apply theoretical concepts to real-world problems, bridging the gap between academia and industry.
2. Research and Innovation: It encourages students to explore new ideas, develop innovative solutions, and contribute to the field of engineering.
3. Problem-Solving Skills: Students learn to analyse complex problems, design solutions, and implement them.
4. Project Management: A major project teaches students to manage resources, timelines, and team dynamics.
5. Communication Skills: Students develop reporting, presentation, and documentation skills.
6. Industry Readiness: A major project prepares students for the expectations and challenges of the industry.
7. Assessment and Evaluation: It provides a comprehensive assessment of a student's understanding, skills, and competencies.
8. A major project is essential in engineering courses as it fosters hands-on learning, critical thinking, and creativity, preparing students for a successful career in engineering.



Fig.23.1: Major Projects of Final year students 2023-24

ACTIVITY 2: SDG#

Title of the Activity: Workshops on “Cloud Computing, DevOps, Full stack development, AutoCAD, Revit, Robotics, Cyber Security”

Need of the Activity:

1. Industry-ready skills: Students gain practical knowledge and skills in cutting-edge technologies, making them more employable.
2. Enhanced employability: Students become more attractive to potential employers, having hands-on experience in industry-relevant tools and technologies.
3. Practical experience: Students apply theoretical concepts to real-world problems, solidifying their understanding.

Brief Description (Need/Impact/Action/Picture):

Description: Conducting workshops on these topics can enhance engineering students' skills and industry readiness. Here's a brief outline for each workshop:

Cloud Computing:

- Introduction to cloud platforms (AWS, Azure, Google Cloud)
- Migration, deployment, and management
- Hands-on exercises and projects

DevOps:

- Understanding DevOps principles and tools (Jenkins, Docker, Kubernetes)
- Continuous Integration and Continuous Deployment (CI/CD)
- Automation and monitoring

Full Stack Development:

- Front-end development (HTML, CSS, JavaScript, React)
- Back-end development (Node.js, Ruby on Rails, Python)
- Database management and API integration

Cyber Security:

- Fundamentals of security and threat analysis
- Network security, cryptography, and access control
- Hands-on exercises and simulations

AutoCAD:

- Introduction to computer-aided design (CAD)
- 2D and 3D modeling, drafting, and design
- Practical exercises and projects

Revit:

- Building Information Modeling (BIM) and architecture
- 3D modeling, design, and visualization
- Hands-on exercises and projects

Impact: Conducting workshops on cloud computing, DevOps, full stack development, cyber security, AutoCAD, and Revit can provide numerous benefits to students, including:

1. Networking opportunities: Students connect with industry experts, expanding their professional network.
2. Project-based learning: Students work on projects, developing problem-solving, critical thinking, and collaboration skills.
3. Resume building: Students can showcase their skills and experience on their resumes.
4. Competitive advantage: Students gain a competitive edge in the job market, having expertise in in-demand technologies.
5. Exposure to industry trends: Students stay updated on the latest industry developments and trends.
6. Development of soft skills: Students improve communication, teamwork, and time management skills.
7. Increased confidence: Students become more confident in their abilities, preparing them for the workforce.

By providing these benefits, the workshops can empower students to succeed in their engineering careers and stay competitive in the industry.



Fig.23.2: Workshops on “Cloud Computing, DevOps, Full stack development, AutoCAD, Revit, Robotics, Cyber Security”

ACTIVITY 3: SDG#

Title of the Activity: Virtual Labs

Need of the Activity:

1. Remote accessibility: Access to lab experiments and equipment from anywhere, at any time.
2. Hands-on learning: Students can perform experiments and investigations virtually, supplementing traditional teaching.

Brief Description (Need/Impact/Action/Picture): Description: IITR Virtual Labs are essential for engineering students, offering numerous benefits, including:

1. Increased safety: Minimizes risks associated with physical labs, ensuring a safe learning environment.
2. Cost-effective: Reduces costs associated with setting up and maintaining physical labs.
3. Scalability: Supports a large number of students, eliminating constraints of physical lab spaces.
4. Flexibility: Allows students to repeat experiments, explore different scenarios, and learn at their own pace.
5. Real-time data analysis: Enables students to collect, analyze, and interpret data in real-time.
6. Simulation-based learning: Exposes students to complex, industry-relevant scenarios, preparing them for real-world challenges.
7. Collaboration tools: Facilitates group work, discussion, and knowledge sharing among students.
8. Industry readiness: Prepares students for industry-specific challenges, bridging the gap between academia and industry.

IITR Virtual Labs provide engineering students with a cutting-edge, interactive learning experience, enhancing their skills, knowledge, and employability

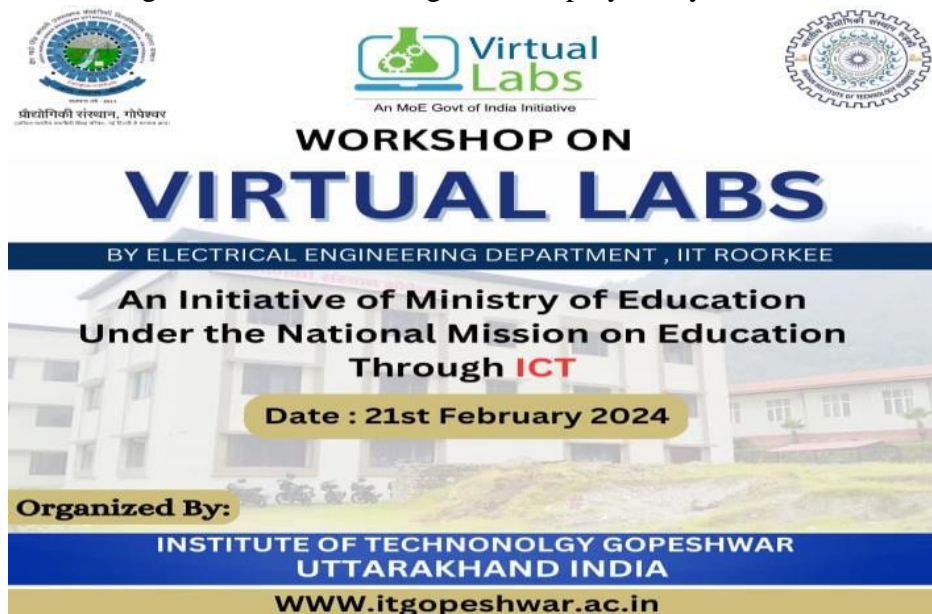


Fig. 23.3: Workshop on Virtual Labs

ACTIVITY 4: SDG#

Title of the Activity: Uttarakhand startup grand challenge 2023-24

Need of the Activity: A startup bootcamp can empower engineering students to:

1. Develop innovative solutions
2. Launch their own startups
3. Join startups or entrepreneurial ventures
4. Become more attractive to employers
5. Build a strong entrepreneurial network

Brief Description (Need/Impact/Action/Picture):

1. Entrepreneurial mindset: Encourages students to think innovatively and develop problem-solving skills.
2. Idea generation: Helps students generate and refine business ideas.
3. Startup basics: Covers essential topics like market research, funding, and team building.
4. Mentorship: Provides access to experienced entrepreneurs, investors, and industry experts.
5. Networking opportunities: Connects students with like-minded peers, potential co-founders, and industry professionals.
6. Prototype development: Guides students in building and testing prototypes.
7. Pitching and presentation skills: Prepares students to effectively communicate their ideas.
8. Industry connections: Fosters relationships with potential partners, customers, or investors.
9. Career opportunities: Opens doors to startup jobs, internships, or entrepreneurial ventures.
10. Hands-on learning: Complements theoretical education with practical experience.

Impact: By participating in a startup bootcamp, engineering students can gain the skills, knowledge, and mindset to succeed in the entrepreneurial world.

जिले से 11 स्टार्टअप राज्यस्तर के लिए चयनित

गोपेश्वर। स्टार्टअप ग्रैंड चैलेंज के तहत चमोली जिले से 11 टीमों का चयन राज्य स्तर के लिए किया गया। बीटेक कॉलेज कोठियालसैण में आयोजित कार्यक्रम में विशेषज्ञों व पैनलिस्ट ने टीमों का चयन किया। शनिवार को बीटेक कॉलेज गोपेश्वर में जिला स्तरीय स्टार्टअप उत्तराखंड बूट कैंप का आयोजन किया

गया। कार्यक्रम में उपस्थित विशेषज्ञों ने स्टार्टअप के बारे में विस्तार से जानकारी दी। जिला उद्योग केंद्र के महाप्रबंधक चंचल बोहरा ने स्टार्टअप के लिए सरकार की ओर से दी जाने वाली आर्थिक सहायता के बारे में जानकारी दी। बूट कैंप में संस्थान की 21 टीमों ने प्रतिभाग किया। जिनमें से आर्मांत्रित

विशेषज्ञों व पैनलिस्ट ने 11 टीमों का चयन राज्य स्तर के लिए किया। संस्थान के निदेशक प्रो. अमित अग्रवाल ने कहा कि प्रदेश सरकार उद्योग निदेशालय के माध्यम से युवाओं में नवाचार को बढ़ावा देने के लिए हर जिले से नए-नए आइडिया को लेकर राज्य स्तर पर स्वरोजगार की नीति को प्रसस्त किया जा रहा है। संवाद

Fig.23.4: Uttarakhand startup grand challenge 2023-24

ACTIVITY 5: SDG#

Title of the Activity: Seminar on “Role of women in developed India”

Need of the Activity:

1. Gender equality: To discuss and promote gender equality in various aspects of life.

2. Women's empowerment: To empower women and girls, enabling them to reach their full potential.
3. Breaking stereotypes: To challenge and change societal attitudes and biases.
4. Sharing experiences: To provide a platform for women to share their experiences and stories.
5. Networking opportunities: To connect women from diverse backgrounds and industries.

Brief Description (Need/Impact/Action/Picture):

1. Inspiration and motivation: To inspire and motivate women and girls to pursue their goals.
2. Knowledge sharing: To share knowledge, experiences, and best practices.
3. Networking and collaboration: To facilitate networking and collaboration among women.
4. Challenging gender bias: To challenge and change gender biases and stereotypes.
5. Empowerment through education: To educate and empower women, enabling them to make informed decisions.
6. Promoting inclusivity: To promote inclusivity and diversity in various sectors.
7. Celebrating women's achievements: To celebrate and recognize women's achievements and contributions.
8. Encouraging leadership: To encourage and develop women's leadership skills.
9. Addressing challenges: To address challenges and obstacles faced by women.
10. Creating a supportive community: To create a supportive community for women to grow and succeed.

By conducting a seminar on "Role of Women in Developed India", we can create a platform for women to share their experiences, learn from each other, and grow together.



Fig. 23.5: : Seminar on “Role of women in developed India”

ACTIVITY 6: SDG#

Title of the Activity: Seminar series on “Intellectual Property Rights”

Need of the Activity:

1. Awareness: To create awareness about IPR among engineering students.
2. Protection of innovations: To educate students on protecting their innovations and creations.
3. Understanding patents and copyrights: To clarify the differences between patents, copyrights, and trademarks.
4. Research and development: To emphasize the importance of IPR in research and development.
1. Industry readiness: To prepare students for industry expectations and IP-related issues.

Brief Description (Need/Impact/Action/Picture):

1. Protection of ideas: Students will learn to protect their ideas and innovations.
2. Commercialization of research: Students will understand how to commercialize their research and innovations.
3. Career opportunities: Knowledge of IPR can enhance career opportunities in research, development, and industry.
4. Entrepreneurship: Students will learn how to safeguard their IP when starting their own ventures.
5. Collaboration and licensing: Students will understand how to collaborate and license their IP.
6. Awareness of IP laws: Students will learn about IP laws, regulations, and policies.
7. Research and development management: Students will understand how to manage IP in research and development projects.
8. Innovation promotion: The seminar will encourage innovation and creativity among students.
9. Industry-academia collaboration: The seminar will foster collaboration between industry and academia.
10. Economic growth: Protection and commercialization of IP can contribute to economic growth.

By conducting a seminar on IPR for engineering students, we can empower them to safeguard their innovations, promote entrepreneurship, and contribute to economic growth.

ACTIVITY 7: SDG#

Title of the Activity: 50KW Solar Power Plant under State Project by UREDA

Need of the Activity:

1. Renewable energy source: To reduce dependence on fossil fuels and promote a clean energy source.
2. Energy security: To ensure a reliable and consistent energy supply.
3. Carbon footprint reduction: To minimize carbon emissions and contribute to a sustainable environment.
4. Energy independence: To reduce reliance on grid electricity and promote self-sufficiency.

5. Sustainable development: To support sustainable development and reduce the state's carbon footprint.

Brief Description (Need/Impact/Action/Picture):

1. Renewable energy generation: To generate clean and renewable energy.
2. Reduced energy costs: To save on energy costs by generating electricity on-site.
3. Carbon credits: To earn carbon credits and support sustainable development.
4. Energy independence: To reduce reliance on grid electricity and promote self-sufficiency.
5. Environmental benefits: To reduce greenhouse gas emissions and contribute to a sustainable environment.
6. Government incentives: To avail of government incentives and subsidies for renewable energy projects.
7. Increased energy access: To increase energy access and support rural development.
8. Reduced energy transmission losses: To reduce energy transmission losses and improve energy efficiency.
9. Sustainable development: To support sustainable development and reduce the state's carbon footprint.

By installing a 50KW solar power plant under the UREDA project, you can promote renewable energy, reduce carbon emissions, and contribute to sustainable development in the state



Fig. 23.6: 50KW Solar Power Plant under State Project by UREDA

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Major Projects of Final year students (Enhances industry readiness, Practical Application, Problem solving skill)
2	Workshops on recent technology trends (Enhances industry relevant skills, Practical Exposure, Problem solving skill, Competitive advantage)
3	Virtual Labs (Enhances industry relevant skills, Hands-on learning, Simulation based learning)
4	Seminar series on “Intellectual Property Rights(Awareness of IP Laws, Protection of Innovation & Ideas, Entrepreneurship, Collaboration and licensing, Research & Development)
5	Industrial Visit (Practical exposure, Bridging Theory-Practice gap, Industry awareness, Career guidance, Industry Insights, Inspiration & Motivation)
6	Hackathon/ Technical events (Hands-on Experience, Real

Kingston Imperial Institute of Technology and Sciences, Dehradun

SDG PROGRESS REPORT

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S.N.	Identified SDGs
1	Goal 4: Quality education.

List of Activities:

ACTIVITY 1: SDG#

Title of the Activity: Guest lecture on intellectual property rights (IPR) which will familiarize students with intellectual property rights, patents, and trademark.

Need of the Activity: IPR describes creations of the mind that can be legally owned and protected.

Brief Description (Need/Impact/Action/Picture):

- It is for better identification, planning, commercialization, rendering and thus the preservation of inventions or creativity.
- This lecture motivated students for improving their soft skills along with their domain knowledge about IPR.
- All pictures of the events are attached herewith in Annexure I.



Fig. 24.1

ACTIVITY 2: SDG#

Title of the Activity: Industrial Visit and Industrial training for practical exposure of students for better understanding of industry academia interface.

Need of the Activity:

- It was a unique opportunity for pharmacy students, academicians, researchers, and scientists to understand the fundamentals and concepts of pharmaceutical industry.
- To ignite research spark among students.

Brief Description (Need/Impact/Action/Picture):

- To make students understand the, different techniques of drug manufacturing and quality control, and every step of all techniques.
- They able to correlate their academic knowledge with the industrial setup.
- This visit motivated students for improving skill outcome based training, R&D services and related services.
- All details of the industrial visit and pictures of the events are attached herewith in Annexure II.

ACTIVITY 3: SDG#

Title of the Activity: Title of the Activity: Hospital Visits and hospital training for their clinical exposure.

Need of the Activity: To understand the role of pharmacists in hospital.

Brief Description (Need/Impact/Action/Picture):

- To make students understand the basic functioning of clinical hospitals.
- Students also visit various divisions of hospitals.
- Students are now able to understand the role of pharmacists in compounding of drugs.
- Relevant documents of hospital training are attached herewith in Annexure III.



Fig. 24.2

ACTIVITY 4: SDG#

Title of the Activity: Webinar on exploring clinical research: what you need to know.

Need of the Activity: To understand the role of pharmacists in clinical research.

Brief Description (Need/Impact/Action/Picture):

- To make students understand the basic knowledge of clinical research.
- Speakers discussed about the role, guidelines, and regulatory bodies of clinical research.
- All details of the webinar and pictures of the events are attached herewith in Annexure IV.

ACTIVITY 4: SDG#

Title of the Activity: Visit to Centre for Aromatic Plants.

Need of the Activity: To make students understand how varieties of aromatic plants are cultivated, extracted and stored in the lab as per their requirement.

Brief Description (Need/Impact/Action/Picture):

To expose the students to varieties of aromatic and medicinal plants. Students were able to understand how the essential oils are produced and their medicinal uses. Students visited to different areas of CAP like Seed germination chamber, Seed sowing area, Hi-Tech Green house, Hydro distillation unit and CAP museum. All details of the visit and pictures are attached herewith in Annexure V.



Fig. 24.3

Next action plan:

S.N.	Activity to be conducted
1	Guest lecture on “How to choose career in pharmacy field”
2	Seminar on “Strategies to qualify pharmacy competitive exams”
3	Workshop on “DNA and RNA isolation techniques”
4	Industrial Visit and Industrial training for practical exposure of students to industry setup
5	Hospital Visits and hospital training for their clinical exposure

Siddhartha College of Law, Dehradun

SDG PROGRESS REPORT

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S.N.	Identified SDGs
1	Goal 5: Gender Equality
2	Goal 6: Clean Water and Sanitation

List of Activities:**ACTIVITY 1: SDG 05**

Title of the Activity: Speech (Topic- ENVIRONMENTALISTS OF INDIA)

Need of the Activity: Gender equality can make communities safer and healthier, and is essential for economic prosperity.

Brief Description (Need/Impact/Action/Picture): Gender equality, also known as sexual equality or equality of the sexes, is the state of equal ease of access to resources and opportunities regardless of gender, including economic participation and decision-making, and the state of valuing different behaviors, aspirations, and needs equally, also regardless of gender.

UNICEF (an agency of the United Nations) defines gender equality as "women and men, and girls and boys, enjoy the same rights, resources, opportunities and protections. It does not require that girls and boys, or women and men, be the same, or that they be treated exactly alike.



Fig. 25.1

ACTIVITY 2 SDG 06

Title of the Activity: Speech Title of the Activity: Clean water and sanitation

Need of the Activity: Transforming Lives with Sustainable Water. Clean water

Brief Description (Need/Impact/Action/Picture): Sustainable management of water resources and access to safe water and sanitation are essential for unlocking economic growth and productivity, and provide significant leverage for existing investments in health and education. The natural environment e.g. forests, soils and wetlands contributes to management and regulation of water availability and water quality, strengthening the resilience of watersheds and complementing investments in physical infrastructure and institutional and regulatory arrangements for water access, use and disaster preparedness.

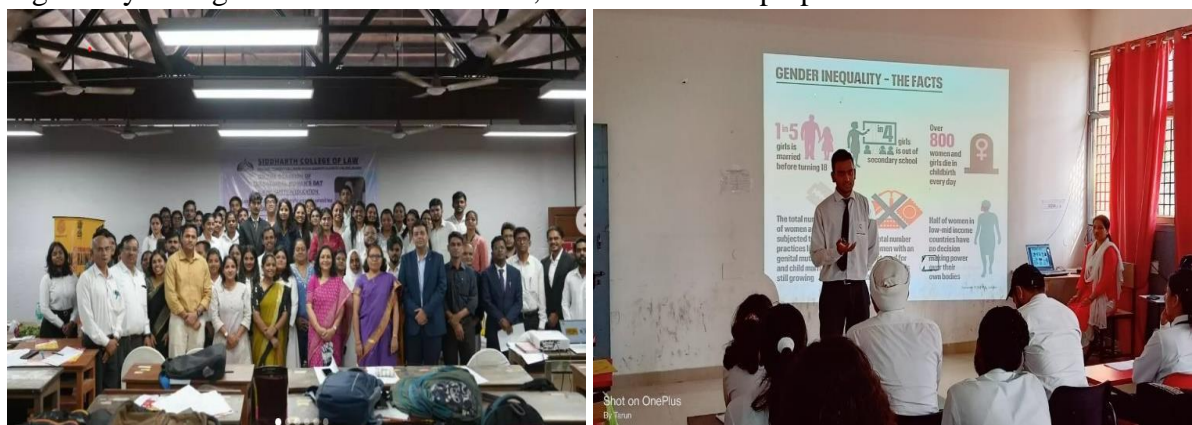


Fig. 25.2

Next action plan:

S.N.	Activity to be conducted
1	May (third week) Debates (debates provides students the opportunity to explore the importance clean water and sanitation.
2	Aug (third week) Debates (debates provides students the opportunity to explore the need of clean water and sanitation.

Bipin Tripathi Kumaon Institute of Technology Dwarahat

SDG PROGRESS REPORT

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S.N.	Identified SDGs
1	SDG 3: Good health and well being
2	SDG 4: Quality Education
3	SDG 5: Gender Equality
4	SDG 7: Affordable and clean Energy

List of Activities:

ACTIVITY 1: SDG 04

Title of the Activity: Expert talks from the industries were conducted in the month of November 2023 and March 2024.

Institute, hostel and residential area is covered with wi-fi.

Monitoring of the student's attendance regularly

Need of the Activity: The students can familiar with the recent trends in IT sectors and manufacturing and process industries and make them familiar about the industrial current needs.

The availability of wi-fi fulfils the academic and other needs of the students and employees of the institute.

The student's attendance is being monitored at department level regularly and the students having less attendance their parents are being informed.

Brief Description (Need/Impact/Action/Picture):

In this talk all the emerging areas of the engineering and the roles of the engineer in the emerging areas like materials synthesis and processing, energy, environment engineering, quality control in manufacturing industries and IT sectors.

Due to wi-fi in the campus, hostel and residential area, the students can full fill their requirements like online classes from NPTEL, test series etc.

Due the regular monitoring and feedback to their parents improving the attendance of the student's in class room.

ACTIVITY 2: SDG 03

Title of the Activity: Good Health and well-being

Need of the Activity: A medication and spiritual talk on the Role of yoga in maintaining mental health was conducted in the month of December 2023 from Yogda Ashram Dwarahat. This activity was done under the category of the SDG 3.

Golden Health care policy of the Government is implemented.

Brief Description (Need/Impact/Action/Picture): In this spiritual talk, the importance of spirituality and yoga in daily life in achieving professional and personal goals was discussed.

ACTIVITY 3: SDG 07

Title of the Activity: Affordable and Clean Energy

Need of the Activity: 1) A Solar roof tower be fixed on the campus in the Month of May 2024. This is part of the SDG 7 clean energy.

2) Wider awareness was done among the faculty members, staff, and students to switch off the appliances that were not in use.

3) The institute is practicing in reducing the energy uses.

Brief Description (Need/Impact/Action/Picture): On the campus, the Solar roof tower was fixed to fulfil the requirement of the energy consumption of the Institute. Streetlights have also been fixed on the roadside as well as in the Hostel and residential premises. These were done under SDG 7, Affordable and Clean Energy.

Next action plan:

S.N.	Activity to be conducted(along with reason)
1	SDG 3: Good Health and well-being 1) An awareness program on health and well-being is to be done in the department. 2) Health check-up.
	SDG 4: Quality Education 1) Expert lectures from faculty members and industry personnel, Encourage the students to opt MOOCs course. 2) Ensure about the students' feedback and communication of the feedback to all the faculties.
3	SDG 5: Gender Equality. Make sure the participation of the female in institute committees, events, and decision-making. Make sure the implementation of the policies and the legislation for Gender Equality.
4	SDG 7: Affordable and Clean Energy. Make sure to switch off the electric appliances when they are not in use, Some more solar panels are to be installed. Solar water geyser is to be installed in hostels.

BSM Law College Roorkee

SDG PROGRESS REPORT

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S.N.	Identified SDGs
1	SDG 3: Good Health and Well Being
2	SDG 4: Quality Education

ACTIVITY 1: SDG 03

Title of the Activity: Yoga Camps Conducted yoga sessions to promote physical and mental well-being.



Fig. 27.1: Yoga Camp



Fig. 27.2: Yoga Camp

ACTIVITY 2: SDG 03

Title of the Activity: Plantation: Plantation: Initiatives to plant trees and promote environmental sustainability.



Fig. 27.3: Plantation

ACTIVITY 3: SDG 03

Title of the Activity: Swachhta Abhiyaan, promoting cleanliness and hygiene
The college held a rally for Swachhta Abhiyaan, promoting cleanliness and hygiene. Students and staff marched with banners, spreading awareness about waste management and proper sanitation. They distributed pamphlets and conducted a community clean-up drive, fostering responsibility and community spirit for a cleaner, healthier environment.



Fig. 27.4: Swachhta Abhiyaan

ACTIVITY 4: SDG 04

Title of the Activity: Legal Awareness Camps

Organized camps to educate the community about legal rights and processes.



Fig. 27.5: Legal Awareness Camps



Fig. 27.6: Legal Awareness Camps

Chaman Lal Law College Haridwar

SDG PROGRESS REPORT

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S.N.	Identified SDGs
1	Good Health and Well Being
2	Quality Education
3	Peace Justice and Strong Institution

List of Activities:

ACTIVITY 1: SDG

Title of the Activity: Free Yoga Class

Need of the Activity: To improve the health status of the community and reduce medical expenses of the people.

Brief Description (Need/Impact/Action/Picture): We are running free yoga classes with the help of professional yoga experts for the people of the community as the college is situated in the remote rural area and people are not capable to approach yoga professional experts individually.

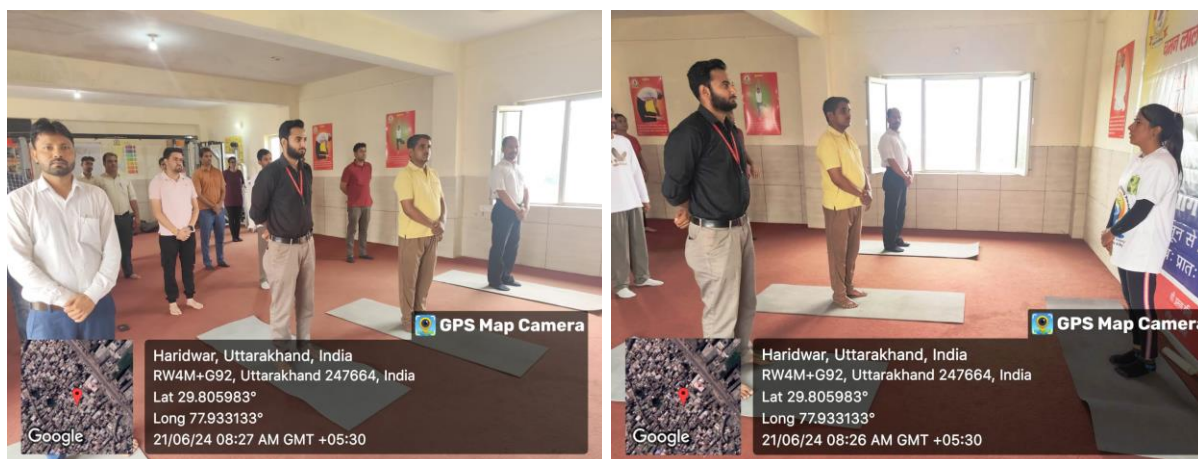


Fig. 28.1 : Yoga Camp

ACTIVITY 2: SDG#

Title of the Activity: National Conference on Uniform Civil Code Supported By ICSSR

Need of the Activity: To sensitize and make the students aware about the emerging social aspects of Uniform Civil Code to impart them national level education on the issue.

Brief Description (Need/Impact/Action/Picture) : We organized a national level conference on the issue of Uniform Civil Code with the financial support by ICSSR.



Fig. 28.2 : National Seminar on Uniform Civil Code

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Honourable Supreme Court And High courts Visit is to be arranged for the students for better understanding of the practical aspects at higher level of Judiciary.
2	We are processing for MOU(s) with the Advocates practicing at higher level of Judiciary to impart quality practical training to the law students.
3	We are intended to conduct counselling sessions for the students and people of the local community to make them aware about the menace of drugs and tobacco to advance our motive for healthy society.
4	Legal aid camp is also proposed for the upcoming session by the institute.

Institute of Hospitality, Management & Sciences Kotdwar

SDG PROGRESS REPORT

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S.N.	Identified SDGs
1	Good Health and Well-Being
2	Climate Action

List of Activities:

ACTIVITY 1: SDG #

Title of the Activity: “Personal Hygiene for Girls”

Need of the Activity: Maintaining good personal hygiene helps prevent infections and diseases, especially during menstruation. It reduces the risk of urinary tract infections (UTIs), skin issues, and other health problems that can arise from poor hygiene practices. Understanding and practicing menstrual hygiene is vital for girls. Proper hygiene during menstruation prevents infections, discomfort, and embarrassment. It also promotes confidence and ensures that girls can participate fully in school and social activities.

Brief Description (Need/Impact/Action/Picture): Proper hygiene during menstruation prevents infections, discomfort, and embarrassment. It also promotes confidence and ensures that girls can participate fully in school and social activities. More than 90 girls attend the session and get aware about the personal hygiene. Every child has siblings in their family impact of the activity can be seen when they will share with their female friends and siblings.

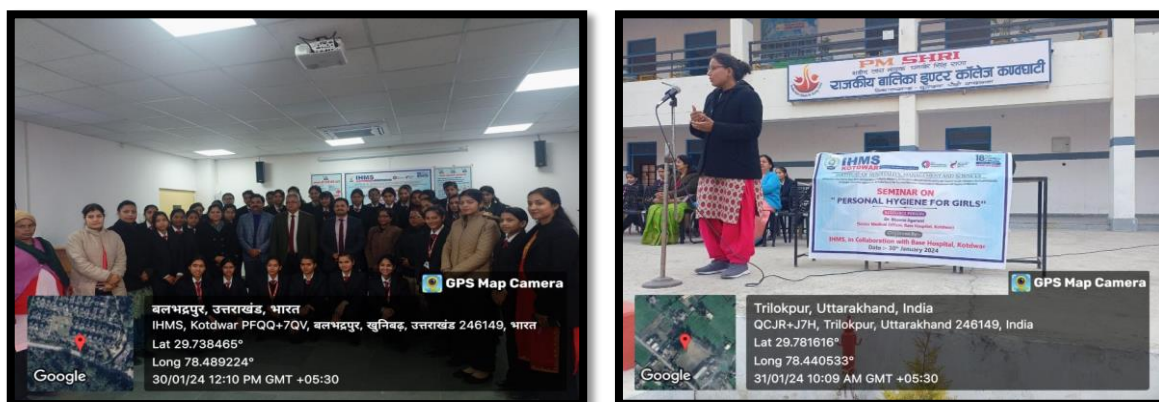


Fig. 29.1

ACTIVITY 2: SDG#

Title of the Activity: “Harela”

Need of the Activity: One of the most important part of curriculum is to aware the students about regional culture and climate. Harela, which means "Day of Green", represents the new harvest brought on by the rainy season. It takes place in the 'Shravan month' of the Hindu calendar. On 17/07/2024 Harela celebrated at IHMS, Kotdwar.

Brief Description (Need/Impact/Action/Picture): One of the most vital aspects of a well-rounded curriculum is the incorporation of climate awareness. Educating students about the traditions and environmental practices of their local communities not only fosters a sense of identity and belonging but also instills in them a deep respect for nature and cultural heritage.

In this context, the festival of Harela holds immense significance.



Fig. 29.2 : Plantation on Harela

Next action plan:

S.N.	Activity to be conducted(along with reason)
1	Activity- Tree Plantation activity, To aware students about our climate. For the betterment of the climate we need to plant more trees. Deforestation is also a big issue in climate degradation. Plantation can prevent climate degradation.
2	Activity – Gender Equality, All genders are equal and should have equal opportunity in the society. The existing notion regarding to women that they should not get equal opportunity as compare to the other gender.

Government Institute of Hotel Management Catering Technology and Applied Nutrition Dehradun

SDG PROGRESS REPORT

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S.N.	Identified SDGs
1	Green Plantation Drive
2	Swachhta Pakhwada-Swachh Bharat abhiyan

List of Activities:

ACTIVITY 1: SDG #

Title of the Activity: Plantation Drive

Need of the Activity: This Activity was carried out in order to maintain the ecological balance and privation of the environment.

Brief Description (Need/Impact/Action/Picture):



Fig. 30.1 : Plantation

ACTIVITY 2: SDG#

Title of the Activity: Swachh Bharat Abhiyan – Cleanliness Drive

Need of the Activity: This Activity was carried out inside the premises of the institute and nearby areas around the institute to make the people aware about the importance and necessity of cleanliness around the homes and nearby areas. This drive was conducted in accordance to the Hon'ble Prime Minister Vision of Clean India.

Brief Description (Need/Impact/Action/Picture):



Fig. 30.2 : Swachhta Abhiyan : Cleanliness

Next action plan:

S.N.	Activity to be conducted (along with reason)
1	Sustainable Tourism-To Maintain Tourism Balance.
2	Eco-friendly Products used in Hospitality Industry to protect the environment.
3	Re-cycling-use and Re-Duce.

A Compendium of UTU Initiatives towards Sustainable Development Goals: 2023-24



For more details please visit:

<https://uktech.ac.in/en/page/outreach-activities>

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