



SUSTAINABLE DEVELOPMENT GOALS

3 GOOD HEALTH AND WELL-BEING



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INTRODUCTION

Sustainable Development Goal 3 (SDG 3) "Good Health and Well-Being," is an important goal for any university to achieve. Our goal for health programs is health centric research, including illness prevention and treatment, healthcare, lowering mortality, and general well-being. By working hard in the field of health, we tackle many different problems, from non-communicable illnesses like cancer, diabetes, and cardiovascular disorders to communicable. Research is being carried out for improving newborn and infant survival along with maternal health, child mortality, and issues related to childbirth. Furthermore, we value mental health and work to prevent psychological injury and enhance psychological well-being by providing support services and awareness campaigns. Our research involved in issues related to disease diagnose/prevention and other global health concerns. In addition, we actively promote healthy living, quitting smoking, and preventing drug misuse in order to address the socioeconomic factors that affect health, thereby extending life expectancies and improving the efficiency and accessibility of the healthcare system. Our institution is committed to improving public health and is always looking for ways to give back to the community and beyond. In doing so, we are able to further match our mission with the goals of SDG 3, which is to ensuring that everyone lives in a healthier, happier, and more equal world.

Great strides have been made in improving people's health in recent years. Effective HIV treatment has cut global AIDS-related deaths by 52 per cent since 2010 and at least one neglected tropical disease has been eliminated in 47 countries. However, inequalities in health care access still persist. The COVID-19 pandemic and other ongoing crises have impeded progress towards Goal 3. Childhood vaccinations have experienced the largest decline in three decades, and tuberculosis and malaria deaths have increased compared with pre-pandemic levels.

Health, a fundamental aspect of human existence, encompasses the overall well-being and functioning of an individual's body, mind, and spirit. It is a state characterized by the absence of disease or illness, where the body's physiological systems operate harmoniously. However, the intricate balance of health can be disrupted by various factors, leading to diseases and illnesses. These conditions, ranging from infectious diseases like tuberculosis, malaria, hepatitis, and polio to chronic respiratory diseases, cancer, and diabetes, pose significant threats to human well-being and longevity. In certain cases, the impact extends to maternal mortality, often related to childbirth complications, and child mortality, emphasizing the vulnerability of the most delicate lives.

Child well-being index and youth well-being index are tools used to gauge the holistic health and development of the younger population, addressing concerns such as child abuse, child neglect, and the harrowing battered child syndrome. Water-borne and tropical diseases, including those transmitted through contaminated water sources, further challenge the broader goal of global health. Sexual health is another integral aspect of health, with sexually-transmitted diseases, notably HIV, posing widespread concerns, emphasizing the importance of communicable disease prevention and sexual health education. The role of medicine, including vaccines, in preventing and treating these conditions is paramount, striving to reduce mortality rates, enhance overall health, and ensure that individuals, regardless of age, can lead healthier, more fulfilling lives.

The Sustainable Development Goals make a bold commitment to end the epidemics of AIDS, tuberculosis, malaria and other communicable diseases by 2030. The aim is to achieve universal health coverage, and provide access to safe and affordable medicines and vaccines for all. To overcome these setbacks and address long-standing health care shortcomings, increased investment in health systems is needed to support countries in their recovery and build resilience against future health threats. Ensuring healthy lives and promoting well-being at all ages is essential to sustainable development. Currently, the world is facing a global health crisis unlike any other — COVID-19 is spreading human suffering, destabilizing the global economy and upending the lives of billions of people around the globe.

Before the pandemic, major progress was made in improving the health of millions of people. Significant strides were made in increasing life expectancy and reducing some of the common killers associated with child and maternal mortality. But more efforts are needed to fully eradicate a wide range of diseases and address many different persistent and emerging health issues. By focusing on providing more efficient funding of health systems, improved sanitation and hygiene, and increased access to physicians, significant progress can be made in helping to save the lives of millions. Health emergencies such as COVID-19 pose a global risk and have shown the critical need for preparedness. The United Nations Development Programme highlighted huge disparities in countries' abilities to cope with and recover from the COVID-19 crisis. The pandemic provides a watershed moment for health emergency preparedness and for investment in critical 21st century public services.

UNIVERSITY ACADEMIC PROGRAMS ON HEALTH SCIENCES

Uttaranchal University's commitment to Sustainable Development Goal 3 (SDG3) is evident through its various academic programs, which extend into fields such as healthcare, nursing, pharmaceutical sciences, and applied and life sciences. These programs are integral in addressing critical health challenges and advancing well-being on multiple fronts. Graduates from Uttaranchal College of Health Sciences and Uttaranchal College of Nursing play essential roles in maternal health, neonatal mortality, and infant mortality reduction, contributing to the quality-adjusted life years of countless individuals. Moreover, these programs equip students to tackle preventable deaths caused by various factors, including tobacco use, substance abuse, and drug addiction, thereby addressing the broader concern of alcoholism and suicidal tendencies.

The School of Applied and Life Sciences and the Uttaranchal Institute of Pharmaceutical Sciences train professionals who engage in critical research and outreach programs for controlling infectious diseases such as Zika virus, dengue, schistosomiasis, sleeping sickness, Ebola, and neglected diseases. These programs emphasize disease prevention and management, contributing significantly to improved public health outcomes. Mental health and mental disorders are also central themes in these academic pursuits, recognizing the importance of addressing mental illness as an integral aspect of holistic health.

Furthermore, through these programs, the university underscores the significance of disease prevention, including measles, cholera, and diarrhoea, by educating and training healthcare professionals who can implement public health strategies for disease control. Uttaranchal University is committed to advancing SDG3, focusing on good health, well-being, and the reduction of preventable deaths through comprehensive and well-structured academic programs.

ACADEMIC PROGRAMS

Uttaranchal College of Health Sciences

Paramedical programmes procreate allied healthcare professionals who apply their expertise to prevent disease transmission, diagnose, treat and rehabilitate people of all ages and all specialties. They provide a range of diagnostic, technical, therapeutic, and support services for health care. A paramedic's aspirant needs to be skilled to work in any environment, demonstrate resilience, stamina, social skills, and tough decision-making skills along with the knowledge of medical sciences, psychology, microbiology, physiology, and technology.

Learning at a premier institute with a state-of-the-art facility makes you a multifaceted paramedic student at Uttaranchal College of Health Sciences, Uttaranchal University.

Paramedical Programs

Undergraduate Programs

- Bachelor of Medical Laboratory Technology (BMLT) – 3 Years & 6 Months Internship
- B.Sc. in Medical Radiography & Imaging Technology (BMRIT) – 3 Years & 6 Months Internship
- Bachelor of Physiotherapy (BPT) – 4 Years & 6 Months Internship
- Bachelor of Optometry (B. Optom.)- 4 Years
- Bachelor of Operation Theatre Technology (BOTT) – 3 Years

Postgraduate Programs

- Master of Public Health (MPH) – 2 Years
- Master of Hospital Administration (MHA) – 2 Years

Uttaranchal College of Nursing

Uttaranchal College of Nursing, a constituent institute of Uttaranchal University was established in the year 2021 with an aim to prepare highly knowledgeable and more competent fraternities in the field of Nursing. The institution is committed to create and groom the students to deal with the demanding challenges in the health care system at the National and International levels.

Undergraduate Program

B.Sc. Nursing - 4 Years

The institution strives to inculcate the best possible evidence-based practices in the areas of nursing education, practice, administration, and research through outcome-based education. The institution provides a wide range of opportunities to the budding nurses to promote all-round development in the various domains of education and clinical practice by adopting prescribed standards at the national and global levels.

The institution is approved by the Government of Uttarakhand, Uttarakhand Nurses and Midwives council as well as Indian Nursing Council, New Delhi.

Uttaranchal Institute of Pharmaceutical Sciences

Undergraduate Program

B.Pharm – 4 Years

In the academic session of 2022-23, Uttarakhand University conferred degrees upon a total of 1586 graduates. Among them, 162 graduates specialized in the field of health sciences. This underscores the university's commitment to producing well-qualified professionals in the healthcare sector to contribute to the overall well-being and health of the community.

Pharmaceuticals, food technology, healthcare, and social sciences are just a few of the sectors in which Uttarakhand University has worked on a wide range of projects and research activities. In addition to adding to academic understanding, these research projects have had a big social influence on the neighbourhood. The following summarises a few of the projects and the societal effects they have-

Pharmaceutical and Healthcare Research

“Herbal Hair Oil Preparation and Evaluation” Research on herbal hair oil has resulted in the creation of natural and efficient hair care products that support healthier hair in the general public.

“Pharmacognostical Standardisation of Lemon Grass Root” Through the standardisation of herbal ingredient quality, this research guarantees the community's access to safe and effective traditional treatments.

“Creation and Assessment of Herbal Hand Sanitizer” Having access to herbal hand wash products promotes improved personal hygiene and slows the transmission of illness.

“Herbal Medicines as COVID-19 Immune Boosters” This study investigates all-natural immune-stimulating approaches that support public health throughout the pandemic.

The study "Study on the Effect of Change in Diet in Patients with Diabetes Mellitus" sheds light on dietary interventions for diabetes management and enhances patients' quality of life in the community.

Research on nutrition and food technology-

Making of Wholesome Cookies Employing Buckwheat and Flaxseed Flour: Producing wholesome snacks provides the population with healthier food options and encourages improved eating habits.

Development and Characterization of a Calcium-Rich Muesli Bar: This study addresses the issue of calcium deficiency and helps people's bones remain healthier.

Antioxidant and Antimicrobial Analysis of Different Plants: Finding natural sources of antimicrobials and antioxidants may help with food preservation and overall health.

Social Sciences and Impact Studies on Healthcare

Views on the Primary Healthcare System's Impact and Evaluation: This study evaluates the system's effects on public health and could result in better healthcare delivery.

Right to Mental Health and Mental Healthcare of Prisoners: An advocacy study for improved mental health services inside the criminal justice system, this socio-legal research centres on the mental health of inmates.

Organisational Strategies for Healthcare Facilities' Employee Retention: Improving healthcare facilities' employee retention can raise the standard of treatment provided to the public.

Research on the Creation of Novel Eco-Friendly Polymer Blends: Studies pertaining to environmentally friendly materials support community health and environmental responsibility.

Investigations into the Phytochemical Characteristics and Antimicrobial Activity of Berberis Lycium. The investigation of a local plant's therapeutic qualities could result in the creation of natural treatments.

Other Academic Programs related to Health Science

B.A. (Hons.) Psychology

B.A. (Hons.) Psychology With Research – 4 Years

M.A. Clinical Psychology – 2 Years

B.Sc. Food Technology - 3 Years

B.Sc. (Hons.) Food Technology / B.Sc. (Hons.) Food Technology with Research – 4 Years

B.Sc. Biotechnology – 3 Years

B.Sc. (Hons.) Biotechnology / B.Sc. (Hons.) Biotechnology with Research – 4 Years

B.Sc. Microbiology – 3 Years

B.Sc. (Hons.) Microbiology / B.Sc. (Hons.) Microbiology with Research – 4 Years

M.Sc. Food Technology – 2 Years

M.Sc. Biotechnology – 2 Years

M.Sc. Food Nutrition and Dietetics- 2 Years

Dissertation/Final Year Project/Ph.D. thesis

The research projects of Uttaranchal University go beyond the classroom and actively improve the community's well-being and standard of living. These initiatives have a significant societal impact by addressing issues in the actual world while simultaneously advancing knowledge.

List of healthcare projects performed by graduate and post-graduate students and PhD scholars of different programs of Uttaranchal University.

S.No	Program	Student Name	Title
1	B. Pharm. Project	Abhishek Chamel	Preparation, evaluation & positive factors of herbal hair oil"
2	B. Pharm. Project	Aditi Kestwal	Amla floating tablets an important milestone to move grdds into clinical arena
3	B. Pharm. Project	Aditya Pratap Singh	Pharmacognostical standrization of lemon grass root
4	B. Pharm. Project	Akash Yadav	Preparation and evaluation of a poly-herbal anti-dandruff formulation
5	B. Pharm. Project	Anchal Gupta	Preparation and formulation of face pack using citrus limon (lemon) leaf extract
6	B. Pharm. Project	Arif Khan	Formulation and evaluation of herbal hand wash
7	B. Pharm. Project	Ashutosh	Formulation and evaluation of transdermal patches of salicylic acid, curcumin and aloe- vera for psoriasis
8	B. Pharm. Project	Ashutosh Sharma	Current and developing approaches in management of hypertension
9	B. Pharm. Project	Ayushi Negi	Preparation of papaya extract and turmeric lip balm
10	B. Pharm. Project	Gaurav Chandra	Comparative phytochemical and antimicrobial evaluation of mesuferra seeds and bark
11	B. Pharm. Project	Gaurav Pundir	A study on the effect of change in diet in a paitent with diabetes mellitus
12	B. Pharm. Project	Harsh Chaudhary	A survey on effect of diet on covid-19 patients
13	B. Pharm. Project	Kaushal Thakur	Review of severe acute respiratory syndrome
15	B. Pharm. Project	Kriti Rohilla	Formulation and evaluation of ointment using rudraksha leaf extract
16	B. Pharm. Project	Manshi chauhan	Extraction of stem and bark of " <i>zanthoxylum aramatum</i> " and exploration of its antifungal potential

17	B. Pharm. Project	Mayank kumar singh	Determination of unsaturation edible oil
18	B. Pharm. Project	Mohd Gulfam	Development and evaluation of herbal tablet loaded with <i>Pueraria tuberosa</i> water
19	B. Pharm. Project	Parvej Ahmad	Comprehensive study of hypertension medication.
20	B. Pharm. Project	Pushpam Sharma	Formulation and evaluation of herbal hair pack
21	B. Pharm. Project	Raja Babu	Formulation and evaluation of polyherbal cream
22	B. Pharm. Project	Rajat Sirohi	Ethnobotanical uses of some important medicinal plant from tehshil pokhri
23	B. Pharm. Project	Rajesh	Review literature on health benefits of "carica papaya" in diseased patients with multiple disorders
24	B. Pharm. Project	Rakshlt Gupta	Utilization of herbal medicinal plants for preparation of herbal jam
25	B. Pharm. Project	Rishabh Mishra	Formulation and evaluation of antifungal cream from <i>Acorus calamus linn</i> and <i>hyptis suaveolens</i> poit oil.
26	B. Pharm. Project	Sachin	Herbal drugs as immune boosters against covid-19
27	B. Pharm. Project	Sailesh kumar Prasad	Evaluation of anc of ferquentl y used antacid in dehradun
28	B. Pharm. Project	Salam Bhupendra Singh	Comparative study of commonly prescribed anti-hypertentive drugs and antidiabetic drugs used to treat diseased conditions
29	B. Pharm. Project	Samiya	Prepration and evaluation of herbal tonner
30	B. Pharm. Project	Saurav Nautiyal	Combination drug on androgenic alopecia
31	B. Pharm. Project	SAurav Sharma	Formulation and evaluation of herbal lozenges
32	B. Pharm. Project	Sheetal Rana	Formulation and evaluation of herbal gel <i>rumex hastatus</i>
33	B. Pharm. Project	Shivani Negi	An analysis on anti-diabetic drugs (specially on metformin and voglibose) for type-ii

34	B. Pharm. Project	Sonee Devi	Formulation and evaluation of anti-aging cream using punica granatum peel extract
35	B. Pharm. Project	Sweety Rawat	Comprehensive and phytochemical evaluation and antimicrobial potency of desmodium ganguticum and desmodium flaciffrum
36	B. Pharm. Project	Tanu Maibam	The role of nutraceuticals on mental health
37	B. Pharm. Project	Tushar Kanojiya	Formulation and evaluation of energy bar
38	B. Pharm. Project	Ujjwal Goswami	A comparative analysis of retail marketing reports for sunscreens
39	B. Pharm. Project	Vanshika Khare	Formulation and particle size determination of atorvastatin solid lipid nanoparticles
40	B. Pharm. Project	Virat Khare	To formulate and evaluate mouth fast dissolving tablets using levocetirizine drug
41	B. Pharm. Project	Vishal Joshi	A novel approach on transdermal drug delivery system
42	B. Pharm. Project	Vishal kumar	Development and formulation of hair gel from natural product
43	B. Pharm. Project	Ajeet singh	Public survey on cosmetic products based on natural and chemical ingredient
44	B. Pharm. Project	Anju semwal	Preparation and characterisation of herbal shampoo using curry leave extract
45	B. Pharm. Project	Ankit Durvedi	Market research on consumption of vitamin C
46	B. Pharm. Project	Ishant Guleria	Diet survey on osteoarthritis
47	B. Pharm. Project	Mohit Bounthiyal	Market research on protein as dietary supplement
48	B. Pharm. Project	Ritika Dixit	Study on dietary approaches to stop hypertension and medication adherence in patient with hypertension
49	B. Pharm. Project	Shivani Panwar	Preparation and evaluation of herbal shampoo containing <i>Grewia optiva</i> extract.
50	B. Pharm. Project	Sumit Singh Saini	Different types of medicine system used in management of peptic ulcer disease

51	M.Sc. Food Technology	Aanya gupta	A review: application of oats in various food and beverage industries
52	M.Sc. Food Technology	Abhijith k s	To establish the effect of food variation on eating behaviour using electromyography
53	M.Sc. Food Technology	Amrisha Priya	Study on production of beer from medicinal mushroom
54	M.Sc. Food Technology	Balveer Singh	Production of nutraceutical shrikhand, physicochemical properties & their shelf life studies.
55	M.Sc. Food Technology	Debopriya purkayastha	Pectin gel for encapsulation of bioactive component
56	M.Sc. Food Technology	Garima Suyal	Study on antioxidant properties of papaya extract
57	M.Sc. Food Technology	Gorantla Leeladhar	Role of mango in the production of wine
58	M.Sc. Food Technology	Gunjan Suyal	Dietary exposure of nitrate rich sports drink.
59	M.Sc. Food Technology	Hisham	Preparation and characterisation of meat bread
60	M.Sc. Food Technology	Karan Arora	Development and characterization of orange peel based multigrain bread
61	M.Sc. Food Technology	Lokesh Yadav	To establish the relation between human physiology and eating behaviour using electromyography
62	M.Sc. Food Technology	Mohammed Nuvais. E	Development and formulation of calcium rich oats bar
63	M.Sc. Food Technology	Mohammed shihab. m.m	Development and formulation of calcium rich millet malt bar
64	M.Sc. Food Technology	Monika Ghatak	Preparation of edible packaging from gelatin and cellulose
65	M.Sc. Food Technology	Muhammed nafise y	Green synthesis and characterization of copper oxide nanoparticles
66	M.Sc. Food Technology	Pawar Ketki Bharat	Effect of processing on the nutritional content of garden cress seed and its acceptability as functional foods
67	M.Sc. Food Technology	PRIYA Naithani	Study the effect of salt and sugar on the microflora of curd and their probiotic activity.
68	M.Sc. Food Technology	PRIYA Sharma	Development of bigel for fat substitution in food products

69	M.Sc. Food Technology	Radha Khirwar	Preparation and characterizatoin of breakfast cereals flakes prepared from bajra
70	M.Sc. Food Technology	Rahneesh TB	Evaluation of nutritional benefits of flaxseed incorporated whey based beverages
71	M.Sc. Food Technology	RIpudaman JAdawat	Formulation of potato added cookies
72	M.Sc. Food Technology	Sahal	Developent and formulation of banana peel bread.
73	M.Sc. Food Technology	Shivani	Preparation of ready to eat muffin prepared from millet flour
74	M.Sc. Food Technology	Shivani pal	Identifying spirulina for its potential role in food products
80	M.Sc. Food Technology	Sushmita nama das	Antifungal analysis of green synthesised zinc oxide nps
81	M.Sc. Food Technology	Tarun Mehra	To establish the relation betweenhuman physiology and eating behaviour using electromyography
82	M.Sc. Food Technology	Vanlalhluta	Pineapple by products and its utilization
83	M.Sc. Food Technology	Youdhveer singh	Production of nutritious cookies using buckwheat and flexseed flour.
84	M.Sc. Food Technology	Prashasti raj	Production of bread by using micro millets and incorporation of pumpkin seeds flour with their physicochemical properties analysis and shelf-life study.
85	M.Sc. Food Technology	Mubarak t a	Production of nutraceutical ready to serve beverage from custard apple (<i>Annona squamosa</i>) & aloe vera (<i>Aloe barbadensis</i>), analysis using aas & hplc technique with study of their storage stability at different temperature.
86	B.Sc. (H) Food Technology	Akshita kala	Preparation and characterization of fortified biscuit using chia seeds
87	B.Sc. (H) Food Technology	Ayushi Bhaduri	Development and preservation of nutracutically active bread for space
88	B.Sc. (H) Food Technology	AYushi Khattri	Antibacterial potential of medicinal plant of himalyan region
89	B.Sc. (H) Food Technology	Bishap Rajwar	Preparation and characterization of fortified biscuit using barnayard millet

90	B.Sc. (H) Food Technology	Deergha Gupta	Production of nutraceutical ready to serve beverage from custard apple (<i>annona squamosa</i>), aloe vera (<i>aloe barbadensis</i>) and their storage stability at different temperature.
91	B.Sc. (H) Food Technology	Gargi Sharma	Study the role of combination of emulsifiers in strengthening emulsion stability
92	B.Sc. (H) Food Technology	Garima Gupta	Fortification of moringa extract in orange juice and its by products
93	B.Sc. (H) Food Technology	Keshav Sharma	A review: application of oats in various food and beverage industries
94	B.Sc. (H) Food Technology	Nishi Saini	Production of rts beverage from custard apple (<i>annona squamosa</i>), aloe vera (<i>aloe barbadensis</i>) and their physicochemical analysis.
95	B.Sc. (H) Food Technology	Preity Bhatt	Preparation and characterization of vegetable shredded biscuit
96	B.Sc. (H) Food Technology	Rishita Sah	Development and formulation of mixed fruit jam fortified with chia seed.
97	B.Sc. (H) Food Technology	Rupesh Pal	Effect of processing on the nutritional content of garden cress seed and its acceptability as functional foods
98	B.Sc. (H) Food Technology	Shelly Kulwanshi	Value added cookies by addition of ashwagandha
99	B.Sc. (H) Food Technology	Shivam	Quality evaluation of mixed fruit jam fortified with chia seeds'
100	B.Sc. (H) Food Technology	Suparna Chakraborty	Preparation of protein rich powder using quinoa and sesame seeds.
101	B.Sc. (H) Food Technology	Tamanna	Fortification and characterization of moringa <i>olifera</i> in multigrain cookies
102	B.Sc. (H) Food Technology	Yerramsetti Ram Subhash	Biogenic synthesis of zinc oxide nps and their characterization
103	B.Sc. (H) Microbiology	Ananya Naskar	Synthesis of gold nanoparticles using <i>ageratum</i> species and their efficacy against various pathogenic bacteria
104	B.Sc. (H) Microbiology	Neha	Antioxidant and antimicrobial profiling of <i>vitex negundo</i> l.
105	B.Sc. (H) Microbiology	Rupam Solanki	Antioxidant and antimicrobial analysis of <i>cassia fistula</i> l.

106	B.Sc. (H) Microbiology	Shivam Chauhan	Mycobacterium avium subspecies paratuberculosis infection status and molecular profiling of the disease in goat faeces from the chakrata block of dehradun.
107	B.Sc. (H) Microbiology	Vanshika Saini	Isolation of dominating vam species from the rhizosphere zone of <i>baubhinia</i> species
108	B.Sc. (H) Microbiology	Gaurav Gaur	Impact of important air-pollutants on physio-morphological parameters of selected himalayan herbs: a comparative study
109	B.Sc. (H) Microbiology	Harshita Rautela	Synthesis and biological activity evaluation of coumarin derivatives
110	B.Sc. (H) Microbiology	Nidhi Tomar	Combined experimental and quantum-chemical studies on some acetylcholinesterase inhibitors
111	BA(H) PSYCHOLOGY	Aarushi Rai	Comparative study of academic stress level of military school students and other private school student.
112	BA(H) Psychology	AKshita Bakshi	Co relative study between personality type and level of aggression
113	BA(H) Psychology	Bhumika Yadav	A comparative study on the level of anxiety amongst the gen z and old age by using social media
114	BA(H) Psychology	Chetan Palni	Effect of social anxiety on happiness of an individual
115	BA(H) Psychology	Diksha Karki	Impact of internet addiction on emotional intelligence of youth
116	BA(H) Psychology	Divya Rawat	Comparative study of emotional intelligence in people with substance abuse and normal adults
117	BA(H) Psychology	Kalpana Dhyani	Impact of emotional intelligence on quality of life of professionals and students
118	BA(H) Psychology	Kirti Jaiswal	Comparative study of the effect of job satisfaction on impulsivity levels between the early adult employees and middle adult employees working in private sector
119	BA(H) Psychology	Panchal Karan Pankajbhai	The effect of faith in spirituality on reducing stress and increasing well being in life
120	BA(H) Psychology	Priyanshu tomar	Effect of parent child relationship on child aggression
121	BA(H) Psychology	Rima Goswami	A study about how exams increases anxiety in college students and aspirants

122	BA(H) Psychology	Sanjana Choudhary	Comparative study of adjustment and stress in relation with regular smokers and non smokers in college students.
123	BA(H) Psychology	SApna Manral	The effect of the internet usage in developing anxiety, depression, stress among adolescents
124	BA(H) Psychology	Shivani Rana	Impact of single parenting on child's psychological well-being
125	BA(H) Psychology	Vansh Dua	Comparative study between working and non-working women: quality of life
126	BA	Akansha Singh Tomar	Effect of social anxiety on happiness amongst teenagers
127	Ph.D Biotechnology	Manish Parihar	Optimization of condition for known pharmaceutical microbes in pharmaceutical product/ activity for reducing incubation time
128	Ph.D Management	Diwan Singh Rawat	Impact & evaluation perspectives of primary health care system on public health: a case study of uttarakhand state
129	Ph.D Management	Mamta Pandey	Assessing trait emotional intelligence and its relation with stress and health behavior in education sector
130	Ph.D Law	Samiksha Pokhriyal	Right to mental health and mental healthcare of the prisoners in the state of uttarakhand: a socio- legal study with special reference to the mental health care act, 2017
131	Ph.D Biotechnology	Ayushi Chaudhary	Approaches for sustainable production of third generation biofuel from selected microalgal strains
132	Ph.D Biotechnology	Kanchan Lata Tripathi	Efficacy of dietary intervention of green jackfruit flour in metabolic dysfunction associated fatty liver disease (mafld) for clinico-metabolic outcomes: a randomized double-blind placebo-controlled pilot study
133	Ph.D Biotechnology	Jerin James	Evaluation of medicinal and economic significance of kappaphycus alvarezii through assessment of biological properties of algae and synthesized nanoparticles
134	Ph.D Biotechnology	Vijaya Laxmi	Studies of mycorrhizae associated with medicinal plant of uttarkashi district
135	Ph.D Biotechnology	Rajbir Singh	Development of beta carotene enriched oleo gel for producing function gluten free cake

136	Ph.D Management	Richa Khugshal	Organizational strategies for employees retention in the emerging environment: a study of institutions of healthcare organizations in uttarakhand
137	Ph.D Chemistry	Mansi Gupta	Studies of the antimicrobial activity and phytochemical properties of <i>Berberis lycium</i>
138	Ph.D Chemistry	Uma Goswami	Study on development of new eco-friendly polymer blends & their degradation by microbial & photolytic techniques
139	Ph.D Chemistry	Arunesh Kumar Dixit	Phytochemical and biological studies of different parts of <i>perilla frutescens</i> (bhangira) found on higher altitude in himalayan region
140	Ph.D Biotechnology	Priya Raghav	Biochemical profiling and in vitro assessment of biological activities of secondary metabolites of <i>Withania coagulans</i> and <i>Angelica glauca</i>
141	Ph.D Chemistry	Shivam Pandey	Synthesis, characterization & applications of nanocomposite material for pharmaceutical wastewater treatment
142	Ph.D Chemistry	Deepak Kumar Shrestha	Studies on pharmacological properties of <i>Allium hypsistum</i> , <i>allium przewalskianum</i> and <i>Allium wallichii</i>
143	Ph.D CSE	Madhu Kirola	Design and performance characteristics evaluation of optimization techniques in big data for breast cancer prediction

APPROVALS, ACCREDITATION, MEMBERSHIPS & RANKINGS

Uttaranchal University has secured a series of prestigious accreditations and approvals, including an A+ grade from NAAC, recognition under UGC Section 12(B) and 2(f), and affiliations with esteemed bodies like AIU, the Bar Council of India, AICTE, Pharmacy Council of India, and ICAR. These recognitions underscore the university's commitment to delivering high-quality education and its adherence to stringent academic and professional standards across diverse fields of study. These accreditations enhance the university's reputation and assure students of the quality of education.



UNIVERSITY INITIATIVES AND SCOCIAL IMPACT

Uttaranchal University is committed to promoting the health and welfare of all members of the community, be it students, staff, faculty, or local residents. Within and beyond our campus, a variety of resources and services are available to support the enhancement of physical and mental well-being. Through our academic programs, guidelines, and events, our university strives to offer accessible, affordable, fair, comprehensive, and high-quality primary healthcare and public health services to everyone. In the current global aftermath of the pandemic, we at UU have not allowed the pandemic to serve as an excuse to halt our efforts toward achieving our Sustainable Development Goals (SDGs). Instead, we have viewed COVID-19 as a challenge to redouble our commitment to meeting these objectives. The health crisis has underscored the importance of leading a healthy life and fostering a sense of care and community. Throughout this critical period, UU has remained dedicated to serving our staff, students, and society by ensuring the maintenance of good health and well-being. The on-campus healthcare facilities are geared towards delivering quality medical care to students, faculty, staff, and the broader community. These facilities include a 300-bed hospital located on campus, ensuring that prompt medical assistance is readily accessible to all, empowering the younger generation to make healthier lifestyle choices. The university provides a comprehensive approach to well-being, offering resources such as counselling services, a happiness cell, fitness centre, personal training, a swimming pool, gymnasium, sports courts, and play fields, which collectively contribute to the physical and psychological resilience of both staff, students, and the wider community. Uttaranchal University's Health & Well-Being

Framework establishes the standards for promoting the well-being of staff, fostering a sense of wellness and contentment at work. This framework has been developed with the objective of delivering accessible and equitable healthcare services that cater to the health and well-being needs of UU's students and employees, as well as the surrounding community. It acknowledges that wellness encompasses elements of physical, mental, and social well-being. Key components of this framework encompass outreach programs, health insurance, ongoing awareness initiatives, routine health check-up camps, and collaborations with local, national, and international partners, all of which are central to its operation.

Uttaranchal Hospital and Diagnostic Centre

Uttaranchal University has taken significant steps toward achieving SDG3 by establishing the 300-bedded Uttaranchal Medical College of Ayurveda & Research and the Uttaranchal Hospital and Diagnostic Centre. These state-of-the-art healthcare facilities play a vital role in promoting good health and well-being for students, faculty, staff, and neighbouring residents. One of the key contributions of this initiative is the provision of accessible and quality healthcare services, including outpatient services, to the university community and the local population. By offering medical care and diagnostic services, the university is not only addressing the immediate healthcare needs of its stakeholders but also contributing to the broader healthcare ecosystem of the region. This initiative reflects the university's commitment to improving healthcare access and is a significant step toward fulfilling the objectives of SDG3.





OPD Facility

Uttaranchal University has demonstrated its dedication to SDG3 by providing a wide range of specialized outpatient department (OPD) facilities. These OPD services cover various medical specialties, ensuring comprehensive healthcare support for the university community and neighbouring residents. The available OPD facilities include Medicine, Gynaecology, Paediatrics, Panchkarma, Surgery, Eye & Ear, and Paediatric services. This diverse range of medical specialties ensures that individuals can access the specialized care they require, promoting not only general health but also addressing specific medical needs. By offering these OPD facilities, the university contributes significantly to the promotion of good health and well-being, aligning with the objectives of SDG3. This initiative underscores the institution's

commitment to providing accessible and quality healthcare services to its stakeholders and the broader community.

Eye and ENT OPD



Paediatric OPD



Gynae OPD



IN-PATIENT DEPARTMENT (IPD)

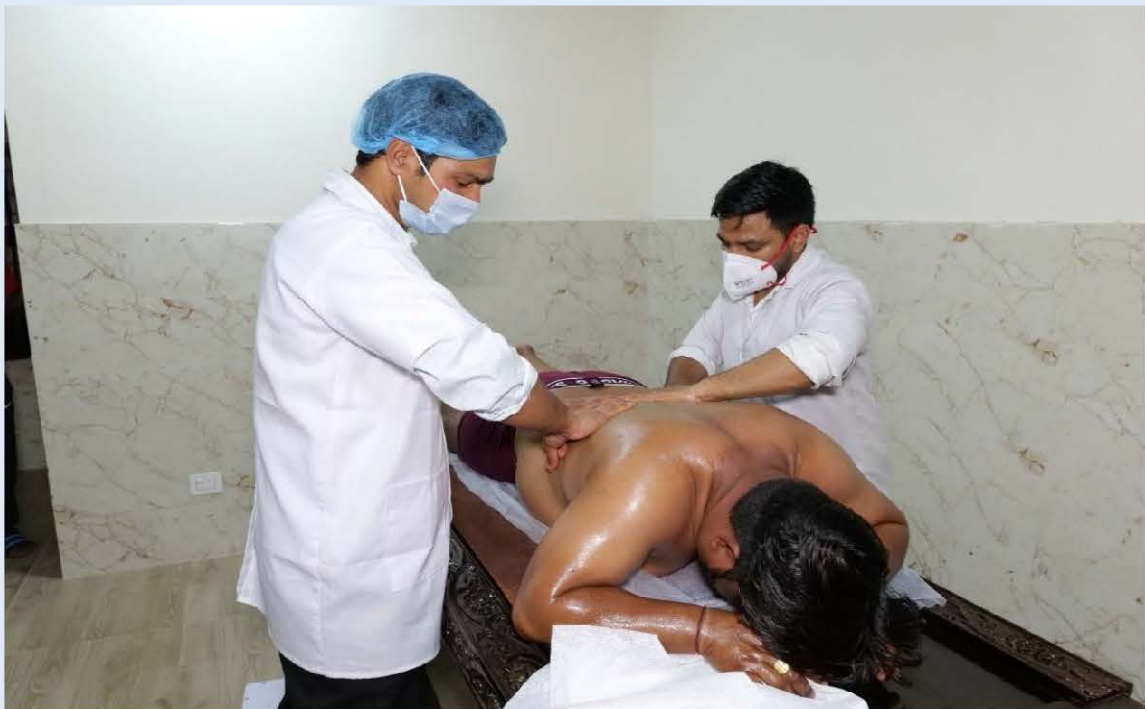
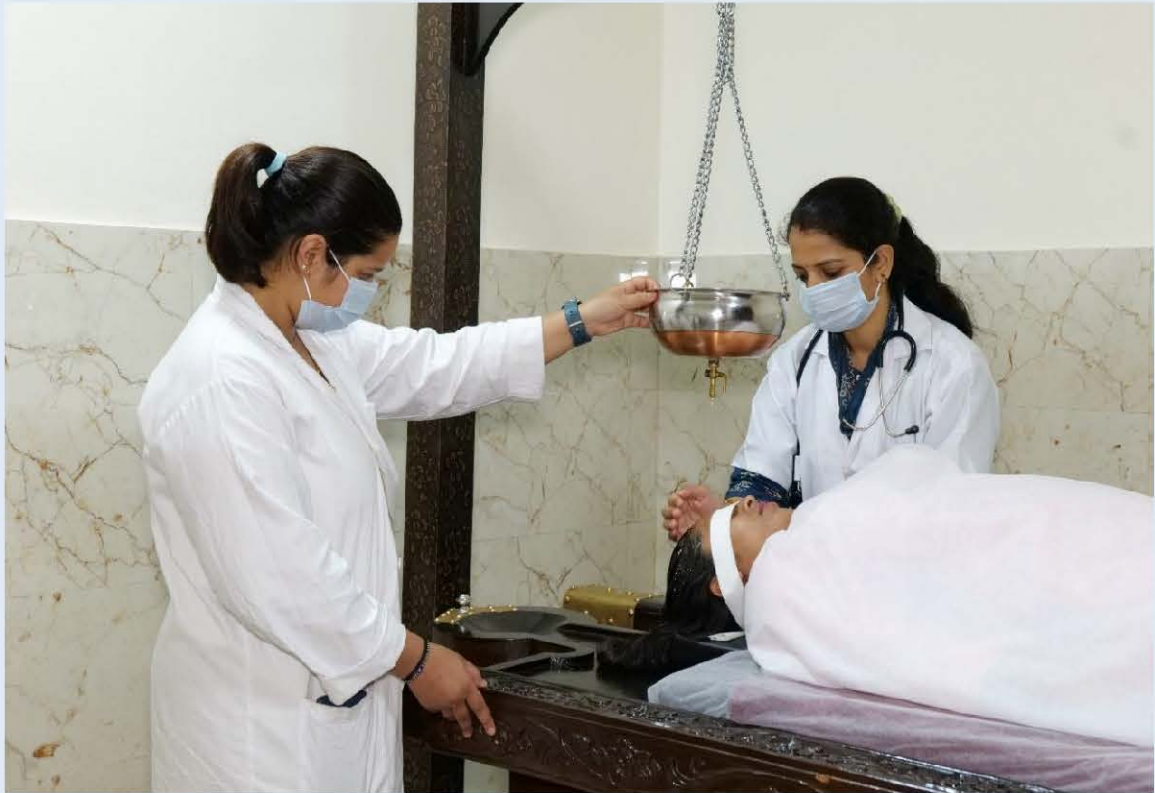
In addition to its outpatient services, Uttarakhand University has established a 300-bedded In-Patient Department (IPD). This facility plays a pivotal role in supporting the goal of SDG3, as it offers extensive in-patient care allopathy and ayurveda to individuals in need of hospitalization and medical treatment. The 300-bed IPD is equipped to provide a range of medical services and specialized care, ensuring that patients can receive comprehensive treatment and care while admitted. By offering this IPD facility, the university contributes to enhancing healthcare access, especially for those who require more extended medical attention. This initiative underscores the university's commitment to promoting good health and well-being for its community members and the surrounding population, in alignment with the objectives of SDG3.



PANCHAKARMA THERAPIES

Uttaranchal University offers a diverse range of Panchkarma therapies, which are traditional Ayurvedic treatments aimed at promoting good health and well-being. These therapies include:

- **Vaman:** Vaman therapy involves therapeutic vomiting and is used to eliminate excess phlegm and toxins from the body. It helps in cleansing and balancing the body's internal systems.
- **Basti:** Basti therapy is an enema-based treatment that involves the introduction of herbal or medicated oils and decoctions into the rectum. It is used for various health conditions and detoxification.
- **Raktamokshana:** Raktamokshana therapy focuses on bloodletting to remove impurities from the bloodstream. It is traditionally used to treat specific blood-related disorders.
- **Virechana:** Virechana therapy involves controlled purgation to remove accumulated toxins from the body. It helps in detoxification and balancing bodily doshas.
- **Nasya:** Nasya therapy administers herbal medicines through the nasal route. It is primarily used to clear the head and treat disorders related to the upper respiratory tract and head.
- **Swedana:** Swedana therapy includes steam and sweat treatments to induce perspiration and open the body's channels, promoting detoxification and relaxation.



The provision of these Panchakarma therapies demonstrates the university's commitment to traditional and holistic healthcare practices, which contribute to the overall well-being and health of the university community and the surrounding residents, aligning with the principles of SDG3.

PHYSIOTHERAPY

Uttaranchal University has taken a significant step in promoting good health and well-being by establishing a well-equipped Physiotherapy Lab. This lab is a testament to the university's commitment to the objectives of SDG3, as it provides essential facilities and equipment for physiotherapy services. The presence of a well-equipped physiotherapy lab ensures that students, faculty, staff, and the local community have access to comprehensive physiotherapy services. The lab is equipped with state-of-the-art tools and apparatus, allowing for a wide range of therapeutic interventions. These interventions are essential for restoring physical health, mobility, and well-being, especially for individuals recovering from injuries, surgeries, or those managing chronic conditions. Physiotherapy plays a critical role in enhancing the quality of life, reducing pain, and improving physical functionality. By offering a well-equipped lab, Uttaranchal University promotes not only the treatment of physical ailments but also the prevention of future health issues. This facility underlines the university's commitment to providing accessible, high-quality healthcare services and aligns with the principles of SDG3, ensuring that individuals have the support they need to maintain and improve their physical well-being.



HAEMATOLOGY & CLINICAL PATHOLOGY

Uttaranchal University's commitment to promoting good health and well-being is further demonstrated through its provision of a wide range of pathology tests. These tests, offered in the field of Hematology and Clinical Pathology, play a vital role in preventive healthcare, diagnosis, and treatment.

The available pathology tests include:

Complete Blood Count (CBC): A CBC is a comprehensive blood test that provides valuable information about various blood components, including red blood cells, white blood cells, and platelets. It helps in identifying a wide range of health conditions.

Hemogram: A hemogram provides a detailed analysis of the blood, including red blood cells, white blood cells, and platelets, offering essential information for diagnosing and monitoring various medical conditions.

Total & Differential Leukocyte Count: This test measures the total white blood cell count and differentiates between various types of white blood cells. It is crucial for assessing the immune system's health.

Platelet Counts: Platelet counts determine the number of platelets in the blood, which is essential for blood clotting and preventing excessive bleeding.

Hemoglobin: Hemoglobin levels are crucial for assessing anemia and overall blood oxygen-carrying capacity.

Erythrocyte Sedimentation Rate: This test measures the rate at which red blood cells settle in a tube of blood, which can indicate inflammation or certain medical conditions.

Blood Group: Determining an individual's blood group is essential for safe blood transfusions and organ transplants.

Urine - Routine & Microscopy: Urinalysis helps in assessing kidney function, detecting urinary tract infections, and identifying other health issues by analyzing the physical and chemical properties of urine.

These pathology tests contribute to early disease detection, monitoring of health conditions, and the overall well-being of students, faculty, staff, and local residents. By providing these essential services, Uttaranchal University fulfills the objectives of SDG3, which focus on ensuring access to quality healthcare and promoting well-being for all.



X-RAY FACILITY

Uttaranchal University's commitment to promoting good health and well-being is further strengthened by its X-ray facility. This diagnostic service plays a crucial role in healthcare by providing advanced imaging capabilities, allowing for the diagnosis and treatment of a wide range of medical conditions.

The X-ray facility at the university offers:

Radiographic Services: X-rays are used to capture images of the internal structures of the body. These images are vital for diagnosing bone fractures, lung conditions, and a variety of other medical issues.

Fluoroscopy: Fluoroscopy is a real-time X-ray imaging technique. It's commonly used for procedures such as barium studies of the digestive system, cardiac catheterization, and joint injections.

Digital Radiography: Digital X-ray technology provides faster image acquisition and the ability to manipulate and enhance images for better diagnostic accuracy.

Computed Tomography (CT) Scans: While not explicitly mentioned, many X-ray facilities also offer CT scanning, which provides detailed cross-sectional images of the body.

By providing X-ray services, Uttaranchal University ensures that its community members have access to essential diagnostic tools that aid in the early detection and treatment of various health conditions. This facility is a valuable asset in achieving the goals of SDG3, which aim to ensure universal access to quality healthcare and promote well-being for all.



EMERGENCY SERVICES

Uttaranchal University places a strong emphasis on the well-being and safety of its community members by providing emergency services. These services are a critical component of promoting good health and well-being and ensuring a swift response to medical emergencies and other urgent situations.

The university's emergency services includes-

Medical Emergencies: The provision of immediate medical assistance and care for individuals who experience sudden health crises or accidents on the campus.

Emergency Contact: A dedicated emergency contact number or service that allows individuals to seek help and report emergencies promptly.

First Aid: The availability of trained personnel and first aid supplies to address minor injuries and provide initial care while awaiting more comprehensive medical attention.

Emergency Response Team: Trained staff or personnel who are prepared to respond to emergencies efficiently, ensuring a rapid and coordinated approach to any crisis.

Emergency Transportation: Access to transportation services for the swift transfer of patients to nearby healthcare facilities in critical situations.



By offering these emergency services, Uttaranchal University not only ensures the safety of its community members but also contributes to the broader objective of SDG3, which is to promote good health and well-being for all. Rapid and effective emergency response services are essential for safeguarding lives and reducing the impact of health emergencies and accidents.



OPERATION THEATRE

Uttaranchal University's commitment to providing comprehensive healthcare services is underscored by the presence of an Operation Theatre (OT) on its campus. The operation theatre is a critical component of the university's healthcare infrastructure, contributing significantly to the promotion of good health and well-being for its community members.

The university's operation theatre offers the following:

Surgical Procedures: The operation theater is well-equipped to accommodate a wide range of surgical procedures, including both minor and major surgeries.

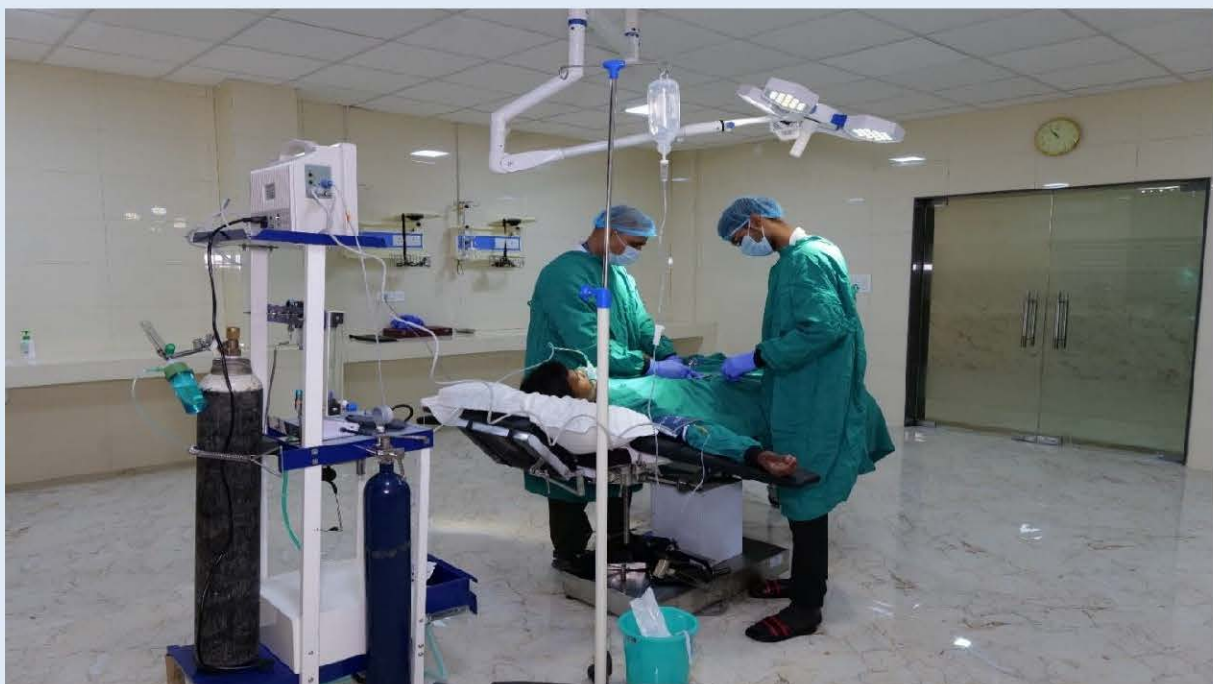
Advanced Equipment: It features state-of-the-art surgical equipment and technology, ensuring the highest standards of patient care and safety.

Sterile Environment: The OT is maintained at the highest level of cleanliness and sterility to reduce the risk of infections and complications during surgical procedures.

Skilled Surgical Team: The university's surgical team, comprised of experienced surgeons, anesthetists, nurses, and support staff, is dedicated to ensuring the success and safety of surgical interventions.

Emergency Surgical Support: The OT is prepared to handle emergency surgical cases, providing timely and life-saving surgical care when needed.

By offering a well-equipped operation theater, Uttaranchal University ensures that its community members have access to essential surgical services. This facility is a fundamental component in achieving the objectives of SDG3, which aim to reduce the burden of disease, enhance healthcare services, and promote overall well-being. Access to safe and effective surgical care is a critical element in achieving these goals.



INTENSIVE CARE UNIT (ICU)

Uttaranchal University recognizes the critical importance of intensive care in ensuring the health and well-being of its community members. The provision of an Intensive Care Unit (ICU) is a significant component of the university's commitment to addressing medical emergencies and severe health conditions.

The ICU at the university offers:

Advanced Medical Care: The ICU is equipped with state-of-the-art medical equipment and technology to provide critical care to patients suffering from severe illnesses, injuries, or surgeries. **Specialized Staff:** Highly trained medical professionals, including critical care physicians, nurses, and support staff, are available to deliver specialized care to patients within the ICU.

Monitoring: Continuous monitoring of patients' vital signs and conditions, allowing for immediate intervention if any health parameters deteriorate.

Life Support: Access to life-saving equipment, such as ventilators, cardiac monitors, and infusion pumps, to stabilize and support patients in critical condition.

Postoperative Care: The ICU also plays a crucial role in postoperative care, ensuring that patients recover safely and effectively after surgery.

Having an ICU on campus is a vital component of promoting good health and well-being, as it ensures that critical medical care is readily available for individuals in severe medical crises. This facility aligns with the objectives of SDG3, which aim to reduce mortality rates, ensure universal access to healthcare, and enhance the quality of healthcare services.



Uttaranchal University's multifaceted initiatives have generated a substantial and positive social impact, reaching far beyond its campus boundaries. These initiatives, rooted in the domains of health, medicine, and public well-being, have addressed a wide spectrum of health concerns, making a tangible difference in the lives of individuals and communities. The university's efforts in the realm of healthcare and medicine have contributed to a significant reduction in mortality rates, particularly in the case of preventable diseases. These initiatives encompass the prevention and management of various health challenges, from water-borne and tropical diseases to chronic respiratory illnesses, infectious diseases, and sexually-transmitted diseases like HIV. The implementation of comprehensive immunization and vaccination programs has played a pivotal role in combating diseases such as tuberculosis, malaria, hepatitis, and polio. This has not only saved lives but also enhanced overall life expectancies. In the realm of maternal health, Uttaranchal University's initiatives have significantly reduced maternal mortality and childbirth complications. Similarly, their focus on neonatal, infant, and premature mortality has ensured that the most vulnerable members of society receive the care and support needed for healthy development. Moreover, the university's emphasis on mental health and well-being has resulted in heightened awareness and improved psychological well-being. Through initiatives addressing psychological harm, postnatal depression, and mental disorders, they have positively impacted the mental health landscape. Furthermore, efforts to control tobacco and substance addiction, alcoholism, and suicide prevention have mitigated risks to psychological well-being, as well as overall public health. The university's focus on healthy lifestyles and social determinants of health, including addressing obesity and psychological risks, has helped promote a culture of health consciousness. Through research and academic programs, Uttaranchal University has informed and shaped public health policies and systems. By promoting inclusive health and accessible healthcare, the university has worked to ensure that even marginalized communities have access to quality healthcare, addressing health disparities. Uttaranchal University's initiatives have resulted in substantial improvements in public health, reduced disease burdens, and enhanced overall well-being. Their dedication to SDG3 has left an indelible mark on the health and welfare of individuals and communities, transcending mere academic pursuits and contributing significantly to global health advancements. Following are the important cells that are contributing towards social welfare of the community.

By establishing various cells, Uttaranchal University underscores its commitment to the health and well-being of its students and staff. These initiatives contribute to SDG3 by addressing the adverse health effects of substance abuse and tobacco consumption, promoting healthier

lifestyles, and creating a safer and more supportive environment for its community members. UU is committed to zero tolerance to alcohol, smoking, drugs and use of any of these is considered as a disciplinary misconduct. Smoke Free Campus Policy has been developed to protect all stakeholders from the exposure to environmental tobacco smoke and to ensure a safe, healthy environment. Compliance with the smoke-free policy is mandatory for everyone. Anyone violating this policy is subject to disciplinary action. All campus properties, including indoor and outdoor areas, are entirely smoke free.

ANTI-DRUG CELL

The Anti-Drug Cell focuses on preventing substance abuse, particularly illicit drugs. It conducts awareness programs, workshops, and campaigns to educate students and staff about the risks associated with drug use. This cell provides a supportive environment for individuals who may be struggling with drug-related issues. It offers counselling and intervention services to help those affected by drug abuse. For individuals with substance abuse problems, the cell can connect them with appropriate rehabilitation and treatment centres for recovery and support.

ANTI-TABACCO CELL

The Anti-Tobacco Cell concentrates on raising awareness about the dangers of tobacco use, including smoking and smokeless tobacco products. It educates the university community about the health risks associated with tobacco consumption. The cell may offer tobacco cessation programs and resources to assist individuals in quitting tobacco use. This could involve counselling, support groups, or access to nicotine replacement therapy. The cell works towards creating a tobacco-free campus, enforcing anti-smoking policies, and conducting anti-tobacco campaigns to discourage the use of tobacco products within the university.

PSYCHOLOGY CELL

Uttaranchal University's establishment of a Psychology Counselling Cell is a significant step in promoting good health and well-being among its students and the broader university community. This initiative demonstrates the university's commitment to addressing psychological and emotional aspects of health, aligning with the principles of Sustainable Development Goal 3 (SDG3).

By providing the essential mental health services, the university recognizes the importance of psychological well-being and the role it plays in overall health. This initiative is vital for fostering a supportive and nurturing community that aligns with the objectives of SDG3, which focus on ensuring access to quality healthcare, including mental health support, for all individuals.

WOMEN CELL

The establishment of a Women's Cell within Uttarakhand University underscores the institution's commitment to gender equality, women's empowerment, and the creation of a safe and supportive environment for all members of its community. This Women's Cell serves as a pivotal resource for addressing issues related to gender discrimination, harassment, and the overall well-being of women within the university. Key functions and objectives of the Women's Cell include: Gender Sensitization, Support and Counselling, Advocacy and Support, Preventive Measures, and Promotion of Women's Well-Being.

By establishing a Women's Cell, Uttarakhand University demonstrates its commitment to creating a gender-inclusive and safe environment where all individuals can thrive and achieve their full potential. This initiative aligns with global efforts to promote gender equality, empowerment, and the well-being of women.



YOGA CENTRE

The annual celebration of International Yoga Day at Uttarakhand University demonstrates the institution's strong commitment to Sustainable Development Goal 3 (SDG3), which is centered on ensuring good health and well-being for all. Yoga, a centuries-old practice known for its holistic health benefits, aligns perfectly with this goal, as it promotes physical and mental well-being. The university's commitment to celebrating International Yoga Day annually signifies several key points including, Health Promotion, Mental Wellness, Accessible Wellness Practices, Cultural Heritage, and Community Building.

This initiative reflects the institution's dedication to supporting the health and well-being of its students, faculty, staff, and local residents.



INTELLECTUAL PROPERTY RIGHTS CELL

Uttaranchal University has published 99 patents as intellectual property rights (IPR). These patents signify the university's significant contributions to innovation and advancements in various fields, including those related to Sustainable Development Goal 3 (SDG3), which centres on promoting good health and well-being.

Each of these patents represents a unique and novel solution or technology, potentially addressing key health challenges, disease prevention, medical treatment, healthcare systems, and other aspects of public health. The intellectual property rights associated with these innovations not only acknowledge the university's role in advancing scientific and medical knowledge but also provide protection and recognition for these valuable contributions.

Furthermore, these patents have the potential to translate into tangible applications, products, and services that can improve healthcare, enhance disease management, and ultimately contribute to the well-being of individuals and communities. By securing 99 patents, Uttaranchal University showcases its commitment to research and innovation, working to address pressing health issues and contributing to the broader goal of global health improvement.

Table: List of Patents on Health Science

S. No.	Application No.	Title	Filing Date
1	202211077700	A LORA AND WI-FI ASSISTED PORTABLE KIT TO MEASURE DIFFERENT HEALTH PARAMETERS	31-01-2022
2	202211077702	AN AUTOMATED INFANT PROTECTION SYSTEM FOR PROTECTING THE INFANTS FROM FALLING FROM THE BED	31-12-2022
3	202311001354	FORMULATION AND IN VITRO EVALUATION OF BILAYER TABLET OF OLMESARTAN FOR BIPHASIC DRUG RELEASE	06-01-2023

4	202311001355	HERBAL NUTRITIONAL SUPPLEMENT FROM ORDINARY WEED WITH EXTRAORDINARY PROPERTIES	06-01-2023
5	202311007183	A SYSTEM FOR CYBER-BASED HEALTHCARE TELEMETRY FOR REMOTE PATIENT MONITORING	04-02-2023
6	202311005608	BRAIN TUMOR DETECTION USING DEEP LEARNING ON CENTRALIZED SYSTEM	27/01/2023
7	202311008693	ENVIRONMENTAL SUSTAINABILITY TECHNOLOGIES IN BIODIVERSITY, TRANSPORTATION AND WATER MANAGEMENT USING ARTIFICIAL INTELLIGENCE	10-02-2023
8	202341008222	AI BASED METHOD WITH NANOTECHNOLOGY APPROACH TO THE EFFECT OF TOPICAL CREAMS FOR TREATING BLOOD CANCER NODES	08-02-2023
9	202311011619	MICRO-RNA (MIR122) BASED MOLECULAR DIAGNOSTIC KIT FOR EARLY DIAGNOSIS OF HEPATOCELLULAR CARCINOMA (HCC)	21-02-23

10	202311011626	FORMULATION AND IN VITRO EVALUATION OF BILAYER TABLET OF OLMESARTAN FOR BIPHASIC DRUG RELEASE	21-02-23
11	202311012944	CONTAMINATION FREE CELL FREE DNA (CFDNA) ISOLATION PROCESS FOR EARLY DIAGNOSIS OF RHEUMATOID ARTHRITIS	25-02-23
12	202321013295	A DEEP-LEARNING BASED AUTOMATED SMART NUTRITION MONITORING SYSTEM FOR HEALTH CARE MANAGEMENT SYSTEMS FOR ALL AGES OF PEOPLE USING ARTIFICIAL INTELLIGENCE AND IOT	27-02-23
13	202311012944	CONTAMINATION FREE CELL FREE DNA (cfDNA) ISOLATION PROCESS FOR EARLY DIAGNOSIS OF RHEUMATOID ARTHRIT	25-02-2023
14	202311018614	Micro-RNA (miR122) based molecular diagnostic kit for early diagnosis of Hepatocellular Carcinoma (HC	18-03-2023
15	202311023257	WATER DISTRIBUTION & CONTROLLING SYSTEM	29-03-2023
16	202311026068	EDGE NODE AND DEEP LEARNING BASED SCALABLE SYSTEM FOR MONITORING OF REHABILITATION PLAYER	06-04-2023
17	202311026079	AI AND IOT BASED DEVICE TO DETECT ENVIRONMENTAL CHANGES	06-04-2023

18	202311026075	VISION ASSISTED CONTROLLER FOR WASTE SEGREGATION IN A COMMUNITY	06-04-2023
19	202311026080	IoT BASED INDOOR AIR QUALITY MONITORING SYSTEM	06-04-2023
20	202311026076	IoT BASED SYSTEM FOR PRODUCTIVITY INCREASE IN ORGANIC FARMING	06-04-2023
21	202311026078	MONITORING OF MENTAL ENGAGEMENT OF STUDENTS IN CLASSROOM	06-04-2023
22	202311026083	EDGE BASED CONTROLLER IN DRONE FOR MAPPING THE RESCUE DURING DISASTER MANAGEMENT WITH THERMAL RADAR	06-04-2023
23	202311026084	IOT BASED DEVICE FOR TREKKERS.	06-04-2023
24	202311026090	EDGE BASED NON-INVASIVE DEVICE FOR GLUCOSE MONITORING	06-04-2023
25	202311026153	FISHERIES HEALTHCARE SYSTEM	07-04-2023
26	202311026149	SCIENTIFIC METHOD FOR DETERMINING AGE AGRICULTURE AND FOOD & OF BOILED RICE	07-04-2023
27	202311026151	AUTOMATED WASHROOM DEODORIZING CUM AIR CHECK CONTROL DEVICE	07-04-2023
28	202311026148	AN IoT BASED MACHINE FOR QUALITY CHECK OF MILK, MAINTAINING RECORD OF FARMER AND DISPENSE MILK	07-04-2023

29	202311026154	PAPERLESS AND TOUCHLESS ATTENDANCE MONITORING DEVICE USING RETINA SENSOR AND AI MODEL	07-04-2023
30	202311026379	CYCLONE ALERT SYSTEM FOR PUBLIC	09-04-2023
31	202311026383	MILK PURITY CHECK DEVICE	09-04-2023
32	202311026384	AUTOMATIC ALERT GENERATION FOR EARTHQUAKE	09-04-2023
33	202311026380	VISION AND SENSOR BASED HYBRID SYSTEM FOR MONITORING THE FLOOD INUNDATION	09-04-2023
34	202311026385	GARBAGE MANAGEMENT BY SMART GARBAGE BOX WITH AI AND EDGE DEVICE	09-04-2023
35	202311026387	IoT BASED REAL-TIME WATER QUALITY MONITORING SYSTEM FOR HYDROPONICS	09-04-2023
36	202311026396	AI-ASSISTED SMART DIARY	09-04-2023
37	202311026389	AI-BASED WATER MANAGEMENT SYSTEM	09-04-2023
38	202311026390	AIR QUALITY INDEX SYSTEM USING WIRELESS SENSOR AND CLOUD SERVER	09-04-2023
39	202311026391	IOT-BASED DEVICE FOR DETECTION OF MILK PRODUCTS SPOILAGE	09-04-2023
40	202311026394	IOT BASED DEVICE THE DISPOSAL OF COVID PROTECTION EQUIPMENT WITH CLOUD.	09-04-2023

41	202311026393	IoT BASED DEVICE FOR MONITORING OF ATHLETIC MUSCULOSKELETAL STRESS	09-04-2023
42	202311026392	AI AND IOT BASED INNOVATIVE APPROACH TO SERVE THE EDUCATIONAL NEEDS OF THE WEAKER SECTION OF SOCIETY	09-04-2023
43	202311026388	DETECT AIR QUALITY INSIDE THE CABIN	09-04-2023
44	202311026395	IoT BASED HEALTHY LIFESTYLE WITH CITROUS FRUITS JUICE FROM UTTARAKHAND	09-04-2023
45	202311028103	SYSTEM OF OBJECT DETECTION IN FOG ENVIRONMENT FOR TWO WHEELERS	18-04-2023
46	202311028109	MACHINE LEARNING AND EDGE BASED SCALABLE SYSTEM FOR REAL-TIME AND AUTOMATIC PRE-DIAGNOSIS OF PATIENT FOR HOSPITALS	18-04-2023
47	202311028105	WIRELESS DIGITAL NOTICE BOARD WITH HUMAN INTERACTION	18-04-2023
48	202311028107	INTEGRATED IoT SYSTEM FOR CLEANING ROOFTOP SOLAR PANELS AND BATTERY HEALTH MONITORING	18-04-2023
49	202311028106	ARTIFICIAL INTELLIGENCE SYSTEM TO BOOST ATHLETE PERFORMANCE AND PREDICT COMPETITOR PERFORMANCE	18-04-2023
50	202311028148	IoT ENABLED BODY POSTURE CORRECTION SHOULDER BAGS	18-04-2023

51	202311028843	EDGE ASSISTED ACCIDENTAL DETECTION SYSTEM	20-04-2023
52	202311028840	AUTOMATIC DIAGNOSTIC MACHINE AND TELEMEDICINE CONSULTATION SYSTEM	20-04-2023
53	202311028837	COMPLETE CONTROLLING SYSTEM FOR IMPLEMENTATION FOR AUTOMATIC SUPPLY OF PRESCRIBED DRUG IN EMERGENCY	20-04-2023
54	202311029356	IoT BASED AMBULANCE TRACKER AND ALERT	23-04-2023
55	202311029358	HOOTER DETECTION SYSTEM FOR UNAUTHORIZED VEHICLE	23-04-2023
56	202311029350	IOT AND MACHINE LEARNING BASED ANIMAL TAMER SYSTEM	23-04-2023
57	202311029351	SYSTEM OF AUTOMATIC TURNING OFF OF THE ELECTRIC APPLIANCES USING 6LOWPAN	23-04-2023
58	202311029354	A METHOD OF PREPARATION OF SUGAR FREE AND DIABETIC- FRIENDLY COOKIES AND COMPOSITION THEREOF	23-04-2023
59	202311029352	BIODEGRADABLE DISPOSAL TABLEWARE AND METHODS THEREOF	23-04-2023
60	202311029355	COMPUTERIZED ROAD ACCIDENT INFORMING DEVICE USING SENSOR AND EMERGENCY NODE	23-04-2023
61	202311029360	IOT INTEGRATED ACCIDENT DETECTOR AND ALERT SYSTEM	23-04-2023

62	202311029366	SENSOR BASED MONITORING SYSTEM OF BACTERIAL GROWTH INSIDE OF PLASTER	23-04-2023
63	202311029374	BIOMETRIC ATTENDANCE DEVICE FOR STUDENTS	23-04-2023
64	202311029372	PLANT HEALTH INDICATOR DEVICE USING EDGE DEVICE AND CLOUD SERVER	23-04-2023
65	202311029581	SMART DETECTION & ALERT SYSTEM OF ACCIDENT	24-04-2023
66	202311029582	SMOG DETECTION, MONITORING & PRE-ALERT SYSTEM	24-04-2023
67	202311021301	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING POWERED IMPACT FOR FUTURE OF HEALTH CARE	24/03/2023
68	202311037663	NEW SNACK BAR ENRICHED WITH FIBER, PROTEIN & CALCIUM WITH EGGSHELL POWDER, OATS AND PEANUT BUTTER	31-05-2023
69	202311037664	DEVELOPMENT OF NUTRITIONAL VALUE RICH FORTIFIED JAM WITH KIWI FRUIT PULP AND MULTIPLE SEEDS EXTRACT	31-05-2023
70	202311039144	DEVELOPMENT OF HERBAL BAKERY PRODUCT BY USING NETTLE LEAF EXTRACT	07-06-2023
71	202311031974	BIODEGRADABLE PLASTIC FILM SYNTHESIS FROM RICE STRAW EXTRACTED CELLULOSE	05-05-2023

72	202311045475	PREPARATION OF MALTED MINT HERBAL BEVERAGE	06-07-2023
73	202311045476	PRODUCTION OF NUTRIONAL SHRIKHAND ENRICHED WITH PROCESSED ALOE VERA PULP	06-07-2023
74	202311045474	FORMULATION OF MULTI COMPOSITE FLOUR COOKIES ENRICHED WITH VACUUM DRIED BUTEA MONOSPERMA FLOWER POWDER	06-07-2023
75	202311045477	PRODUCTION OF DRAGON FRUIT READY-TO-SERVE BEVERAGE ENRICHED WITH ALOE VERA PULP	06-07-2023
76	202311046142	AN IOT BASED SYSTEM FOR SMART STICK FOR VISUALLY IMPAIRED WITH OBJECT DETECTION AND IDENTIFICATION	10-07-2023
77	202311046140	AN AI BASED SYSTEM FOR SMART MIRROR FOR PERSONALIZED FITNESS TRAINING	10-07-2023
78	202311047076	AN AUTO MONITORING EXAMINATION SYSTEM FOR RECOGNITION OF ABNORMAL ACTIVITY USING DEEP LEARNING AND AI	13-07-2023
79	202311047077	AN EDGE AND VISION BASED SYSTEM FOR PREDICTION OF EMPLOYEE STATE WITH DEEP LEARNING	13-07-2023

80	202311049013	DEVELOPMENT OF MILK PROTEIN BAR FOR SPACE STATION	20-07-2023
81	202311053684	A SYSTEM OF AI-ASSISTED MOBILE APPLICATION FOR ASHA WORKERS AND METHODS THEREOF	10-08-2023
82	202311060867	A system of high risk pregnancy detection using artificial intelligence	11-09-2023
83	202311062687	Formulation of Muffins using air potato an edible medicinal plant	18/09/2023
84	202211064304	AN INNOVATIVE CARDIAC HEALTH MONITORING SYSTEM WITH CONNECTED TECHNOLOGY OF IOT AND CLOUD COMPUTING	10-11-2022
85	202211064598	A CONTROLLER DEVICE FOR THE IMPLEMENTATION OF A PORTABLE ELECTRIC PEN FOR WOMEN'S SAFETY WITH WI-FI AND CLOUD SERVER	11-11-2022
86	202211065171	SMART WEARABLE T-SHIRT FOR THE AUTISM PATIENT WITH CONNECTED TECHNOLOGY OF SENSORS, IOT AND CLOUD COMPUTING	14/11/2022
87	202211065193	AI ASSISTED CENTRALIZED WEB CUM APPLICATION INTERFACE FOR PREGNANT WOMEN IN HILLY AREA OF UTTARAKHAND	14/11/2022

88	202211056071	A REAL TIME EPILEPTIC SEIZURE DETECTION MONITORING SYSTEM	
89	202111052267	A Fog assisted Fish farm Water Quality Monitoring System and Communication Architecture	15/11/2021
90	202111046880	IOT BASED WEARABLE SENSOR FOR DISEASES PREDICTION AND ANALYSIS OF SYMPTOM IN HEALTHCARE	14/10/2021
91	202111043560	SOCIAL DISTANCE DETECTION USING VIDEO TRACKING SYSTEM	25/09/2021
92	202111051627	INTELLIGENT SYSTEM FOR MANAGEMENT OF HEALTHCARE RECOURCES IN HOSPITAL USING DATA MINING AND MACHINE LEARNING.	11-11-2021
93	202111051973	MACHINE LEARNING AND IOT BASED SMART HUMAN ACTIVITY DISCOVERING SYSTEM FOR HEALTHCARE APPLICATIONS	12-11-2021
94	202111029005A	Preparation of Bio plastic by using Paraali (Agriculture waste) and Aloe Vera waste (Agro-Industrial waste) and PVA/Glycerol plasticizer	29/06/2021
95	202111060393	Medical Emergency Request system by the faculty in the	23/12/2021

		University with Internet of Things and Long-Range Communication.	
96	202111060774	Cloud Server and Machine Learning based system for snore monitoring	25/12/2021
97	202111060775	LoRa inspired Wearable device for real-time location tracking and health status of mountaineers during emergency	25/12/2021
98	202111050630	SDLOG: AN INTELLIGENT DEVICE FOR THE DETECTION OF STRESS LEVEL USING IOMT	03-11-2021
99	202111053472	GREEN HUMAN RESOURCE MANAGEMENT PRACTICES FRAMEWORK FOR HEALTHCARE ORGANIZATIONS UNDER STRESSFUL COVID-19	21/11/2021

SPORTS & OTHER FACILITY

Encouraging physical, mental, and social well-being through participation in a variety of sports, both indoors and outdoors, is extremely important and intersects with a number of health policy, health system, healthcare access, and health resource elements. In keeping with the larger objectives of inclusive health, these activities foster the development of cognitive abilities, problem-solving techniques, and even patience and tenacity. Outdoor activities like tennis, and football, on the other hand, foster social connection, teamwork, and leadership development in addition to improving physical fitness and general health. Apart from teaching vital life skills like cooperation and efficient communication, which are essential to a well-functioning health system, these activities help participants form deep friendships and a sense of camaraderie. Furthermore, the advantages of doing sports both indoors and outdoors also include improved

mental health and an increased understanding of the significance of psychological wellbeing. Sports participation on a regular basis reduces anxiety and psychological damage and is an efficient stress-relief strategy. Self-esteem, mental health, and psychological well-being can all be enhanced by the sense of accomplishment that comes from mastering a sport or setting a personal best. Furthermore, time management, goal-setting, and discipline are skills that people may learn via organised sports and apply to many other facets of life, such as the creation of health policies. Engaging in sports, whether indoors or outside in climate-controlled settings, is essential for upholding an active and well-balanced lifestyle and preventing health hazards, such as obesity. Along with improving emotional and physical well-being, they also help people integrate with the society, which is crucial for tackling the social determinants of health. Sports encourage variety, inclusivity, and the development of social relationships by uniting individuals in the spirit of friendly competition. These elements are crucial to public health and the larger objective of building healthier, more cohesive communities. Sports are essentially a comprehensive approach to personal growth that has significant connections to healthcare systems, public health policy, healthcare access, and other related issues.

Uttaranchal University offers extensive sports facilities, including outdoor and indoor facilities, to cater to various student needs and promote wellbeing. These facilities include cricket turf, athletic track, football, basketball courts, volleyball courts, indoor badminton courts, gymnasiums, and yoga halls. The university offers five seminar halls with seating capacities of 100-200 people, as well as board rooms for conferences and meetings, available for free use by students, faculty members as well as local community. The university has agreements with the top hospitals in the area to offer quick medical care to players. Ambulance is available 24x7 for staff and students for medical emergency.

The university campus also offers first aid services and health care services. All these facilities can be availed by the students, faculty members and local community, for free and few charges wherever applicable. Well established computer labs with high speed of internet are available in the university and the library offers over a million e-books and subscribes to various e-resources, including SCOPUS, EBSCO, and IEEE. It also houses 4.5 million full-text online materials and uses DELNET for accessing materials. The library, affiliated with Shodhganga and e-Shodhsindhu, utilizes DELNET to access full-text and bibliographic materials, and Turnitin's plagiarism detection feature. Separate hostel facility for girls and boys with mess facility, guest house facility is available for people. The university offers a comprehensive bus transport facility for students, faculties, and the public, including ample parking for buses, cars, and 2 wheelers, as well as e-vehicle charging points. 2 ATM facilities Bank of Baroda, Punjab

National Bank are available in the university campus All these facilities can avail by the students, faculty members and other peoples like local community, instance with general public for free.

Sports facilities and university ground area facilities are avail by the students, faculty members and other peoples like local community, instance with general public for free. Many kinds of events like Dehradun city cricket championship, Naad music event, Blood donation camps etc are organized by various organizations like Reliance foundation youth sport, ABP GANGA, Subharti university and Doon hospital etc in the university for various social impacts.

SOCIAL IMPACT OF FACILITIES

Students, staff, and other citizens of the surrounding community, for instance, are allowed to utilise the university's sports facilities and outdoor areas for free. Numerous organizations, including Reliance Foundation Youth Sport, ABP GANGA, Subharti University, and Doon Hospital, organise a variety of events at the university for a range of social impacts, including physical fitness for people, healthcare benefits for students and the local community, cultural and traditional awareness, etc. These events include the Dehradun City Cricket Championship, the Naad music event, blood donation camps, and a lot more.

Dehradun City Championship by Reliance Foundation Youth Sports (RFYS)

The league stage of (RFYS) Football Season 2022-23 Dehradun City Championship. Organize a cricket match between Graphic Era Hill University and Uttaranchal University in the College Boys category on 22/12/2023.



Dehradun City Championship by Reliance Foundation Youth Sports



Cricket Bashers Intercollege League 2023



Kickboxing championship, 2023



International Football Tournament

The sports facilities of Uttarakhand University are extensive and meet a wide variety of student demands, providing comprehensive growth outside the classroom. The institution takes great satisfaction in offering lots of chances for sports, games, yoga, and cultural events, all of which contribute to the promotion of general wellbeing. A sports officer at the university oversees and trains students who actively participate in a variety of sporting activities and competitions. The students' success in regional, state, and national contests has been made possible by this.

There is a dedicated yoga centre on campus with qualified teachers, offering students a peaceful setting in which to practise and benefit from this age-old art. Modern exercise equipment is also available in a well-equipped gymnasium, enabling students to maintain an active lifestyle and physical conditioning.

Recognising the value of outdoor activities, Uttarakhand University offers a wide range of amenities, including sports fields and playgrounds. Numerous sports are available for students to participate in, such as football, basketball, volleyball, badminton, and cricket. There are also indoor gaming centres with alternatives such as chess, carrom, table tennis, and much more.

OUTDOOR SPORTS FACILITY

Outdoor facilities- Cricket turf, Athletic track, Football, Basketball court, Volley ball, Throw ball, Hand ball facility and lawn facility, all these facilities can avail by the students, faculty members and local community for free.

CRICKET- TURF

Table. Detailed information of cricket turf

Measurements	Facilities & Equipment's		Beneficiaries
CRICKET- Turf with Pavilion -1 20.12 x 3.05m (120m x 120m)	SG Cricket kit	6 bag	Staff/Students/local community
	Stumps	5 pair	
	Cricket mat	2 nos	
	Saucer cones	3	
	pairs		
	Cricket ball	8 box	
	Plastic stumps	2 pairs	
	Cricket nets	no	
	Spring stumps	no	
	Skyer bat	3 no	

	Side arm pro	5 nos	
	Cricket Ground Equipments		
	Roller	2 nos	
	(500,250 kg)		
	50m water hose	3 nos	
	Ride on mover	1 nos	



Cricket- Turf

STANDARD ATHLETIC TRACK

Table. Detailed information of standard athletic track

Measurements	Facilities & Equipment's	Beneficiaries
Track And Field 180 X 100 m	Shot Put Ring 01 Discuss Throw Ring 01 Long jump pit 01 Triple jump pit Hurdles	Staff/Students/local community

	Pole vault post & cross bar High jump post & cross bar Javelin (M & W) 02 Shot put (M & W) 02 Discuss (M & W) 02 Hammer (M & W)	
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Standard Athletic Track

FOOTBALL

Table. Detailed information of football

Measurements	Facilities & Equipment	Beneficiaries
1- FIFA approved 90 X 60 M	Goal Post 1 Set Corner Flag 08 Goal Net 04 Balls 15 Substitute Bench 04 Cone 60 First Aid Kit 03	Staff/Students/Local Community- Free

	Stretcher	02	
	Goal Keeper Gloves	05	



Football Ground

BASKETBALL COURT

Table. Detailed information of basketball court

Measurements	Facilities & Equipment's	Beneficiaries
28 x 15m x 2	Concrete Court No. Ring net 4 Basketball 15 Table timer 02 Foul indicator 04	Staff/Students/Local Community

	Substitute	
	Indicator	10
	Substitute bench	06



Basketball Court

VOLLEY BALL

Table. Detailed information of volley ball

Measurements	Facilities & Equipments		Beneficiaries
18 x 9 m x 6Nos		No.	Staff/Students/Local Community
	Post	02 pair	
	Net	06	
	Ball	15	
	Referee stand	04	
	Scorer table	04	
	Substitute bench	10	
	Chairs	50	



Volley Ball

THROW BALL

Table. Detailed information of throw ball

Measurements	Facilities & Equipment's		Beneficiaries
18.30 x 12.20 m x3	Throw Ball Post	02pair	Staff/Students/Local Community
	Throw Ball Net	03 pair	
	Referee stand	04	
	Ball	10	



Throw Ball

HAND BALL

Table. Detailed information of hand ball

Measurements	Facilities & Equipment's	Beneficiaries
40 x 20 m x5	<p>No</p> <p>Goal Post 02 pair 06</p> <p>Goal net</p> <p>Ball 10</p> <p>Measuring tape(30m) 02</p> <p>Scorer table 10</p> <p>Players Chair 10</p> <p>Stop watch 04</p> <p>Time court card 02 30</p>	Staff/Students/Local Community



Hand Ball

INDOOR SPORTS FACILITY

MULTIPURPOSE HALL (For Indoor Games)

Indoor facilities- 2 Multipurpose Halls, Indoor badminton court for man/women, Gymnasium facility is available for man/women, Yoga hall facility and open air yoga facility is available, all these facilities can avail by the students, faculty members and other peoples for free.

Table. Detailed information of multipurpose hall-1

Measurements	Facilities & Equipment's		Beneficiaries
Hall -1	Yoga Mat	50	Staff/Students/Local Community
30.15 X 24.05 m	Chairs	500	
	Tables	100	
	Table Tennis	04	
Stage 16.50 X 5.25 m	Chess	10	
	Carrom	10	
	Taekwondo mat	50	
	LCD Projector	01	
	Mike & Speaker	01	

	Dressing room (men& women)	
	Wash room	
	(Men& Women)	
	STAFF	
	Trainer	02
	Housekeeping	08

Table. Detailed information of multipurpose hall-2

Measurements	Facilities & Equipment's	Beneficiaries
Hall -2 32.30 X 9.85 m	Yoga Mat	Staff/Students/Local Community
	Chairs	
	Tables	
	Table Tennis	
	Chess	
	Carrom	
	Taekwondo mat	
	LCD Projector	
	Mike &Speaker	
	Dressing room (men& women)	
	Wash room	
	(Men& Women)	
	STAFF	
	Trainer	
	Housekeeping	



Table Tennis



Chess



Carrom

INDOOR BADMINTON COURT (MAN)

Table. Detailed information of indoor badminton court (Man)

Measurements	Facilities & Equipment's	Beneficiaries
SYNTHETIC LINING BADMINTON (men) 18 x 15.20 x 10m	Portable Badminton Post 04 Badminton Net 06 Equipment room 01 Dressing room (men&women) 01 Wash room (men& women) 05 STAFF Coach 2 Housekeeping 4	Staff/Students/Local Community



Badminton Court (Man)

BADMINTON COURT (WOMEN)

Table. Detailed information of indoor badminton court (Women)

Measurements	Facilities & Equipment's	Beneficiaries
SYNTHETIC LINING BADMINTON (men) 18 x 15.20 x 10m	Portable Badminton Post 04 Badminton Net 06 Equipment room 01 Dressing room (men & women) 01 Wash room (men& women) 05 STAFF Coach 2 Housekeeping 4	Staff/Students/Local Community



Badminton Court (Women)

GYMNASIUM FACILITY

Separate well equipped Gym facilities are available for students (man/women), faculty members and other peoples.

GYMNASIUM (MAN)

Table. Detailed information of gymnasium (Man)

Measurements	Facilities & Equipment's	Beneficiaries
FLOOR - High density Rubber mat	<ul style="list-style-type: none"> • Sports Tread mill 06 • Sports elliptical 04 • Cycling bike 06 • Half cage 04 • Flat bench 04 	Staff/Students/Local Community
Total No - 4	<ul style="list-style-type: none"> • Seated preacher curl 03 • Half cage smith 	
Area 32.30 X 9.85 m	attachment 02	
Area 17 X 10 m	<ul style="list-style-type: none"> • Functional trainer 02 • Dressing room 08 	

	<ul style="list-style-type: none"> Rest room 	20	
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Gymnasium For Man

GYMNASIUM (WOMEN)

Table. Detailed information of gymnasium (Woman)

Measurements	Facilities & Equipment's	Beneficiaries
	Hyper extension 04	
	Incline bench 04	
	Utility bench 04	
	Multipurpose bench 04	
	Hard core training 02	
	Abdominal bench 04	
	Leg extension 04	
	Dumbbells rack 04	
Area 13.33 X 7 m	Multipress 02	
Area 13.33 X 7 m	7 Feet Olympic rod (50mm) 10	Staff/Students/Local Community
	4 feet EZ rod (50mm) 03	
	Medicine Ball 25	
	Swiss Ball 06	
	Dumbbells 950 kg	
	Weightlift plates 50mm 1400kg	
	Trainer 4	
	Assistant 4	
	Housekeeping 8	



Gymnasium For Women

YOGA FACILITIES

Infra-Structure

- Indoor Halls
- Open air halls

Indoor Halls, being multipurpose they always cater to the needs of yoga sessions.

An open, ventilated, oxygenated area is available for outdoor yoga sessions and competitions the need of hour especially in this pandemic

Yoga Faculty

A yoga expert with a doctorate in yoga is teaching yoga at all level of beginners to competitors. Yoga is mandatory for hostel students.

Yoga Therapy

- UTTARANCHAL UNIVERSITY personnel, the warriors are always given yoga training in open air to improve immunity.
- Staff, students and medical college in and out patients and athletes are given yoga therapy for their physical needs .
- Athletes are strengthened mentally to improve their focus of sports.

- Drivers were taught car yoga on and off mat & even on and off driver Seat.
- Physical labourers of university were taught right postures during manual labour.
- Administrative staff were taught right postures on and off their seat.
- NSS and NCC were actively equipped with yoga who assist in conducting yoga camps.

Thus, a strong base and a light yoga breeze is always in the campus.

Table. Detailed information of yoga hall

Measurements	Facilities & Equipment's	Beneficiaries
HALL-1 32.30 x 9.85 m	Yoga Mat 100Nos STAFF Yoga master (M) 2 Housekeeping 4	Staff/Students/Local Community
HALL-2 20 X 10 m	Yoga Mat 200Nos STAFF Yoga master (M) 2 Housekeeping 4	Staff/Students/Local Community



Yoga Hall-1



Yoga Hall-2

CULTURAL FACILITY

AUDITORIUM

The institution features a stunning auditorium that holds a variety of activities, such as guest speakers, conferences, and cultural performances, for those who like the arts. Students can use this space to participate in artistic endeavors and display their abilities. In addition, the auditorium is utilised by renowned and experienced professionals to organize multi-day cultural and national events for the entire institution, involving both teachers and students.

Area- 16000 sq ft

Capacity- 900

Facilities- Air condition, Sound proof, Fire system, Lighting effects



Front View of Auditorium



Back View of Auditorium

SEMINAR HALLS/ BOARD ROOMS

5 Seminar halls are also available in the university with the sitting capacity of 100-200 peoples, and board rooms are also available for conferences and meetings. All these facilities can avail by the students, faculty members and other peoples for free.

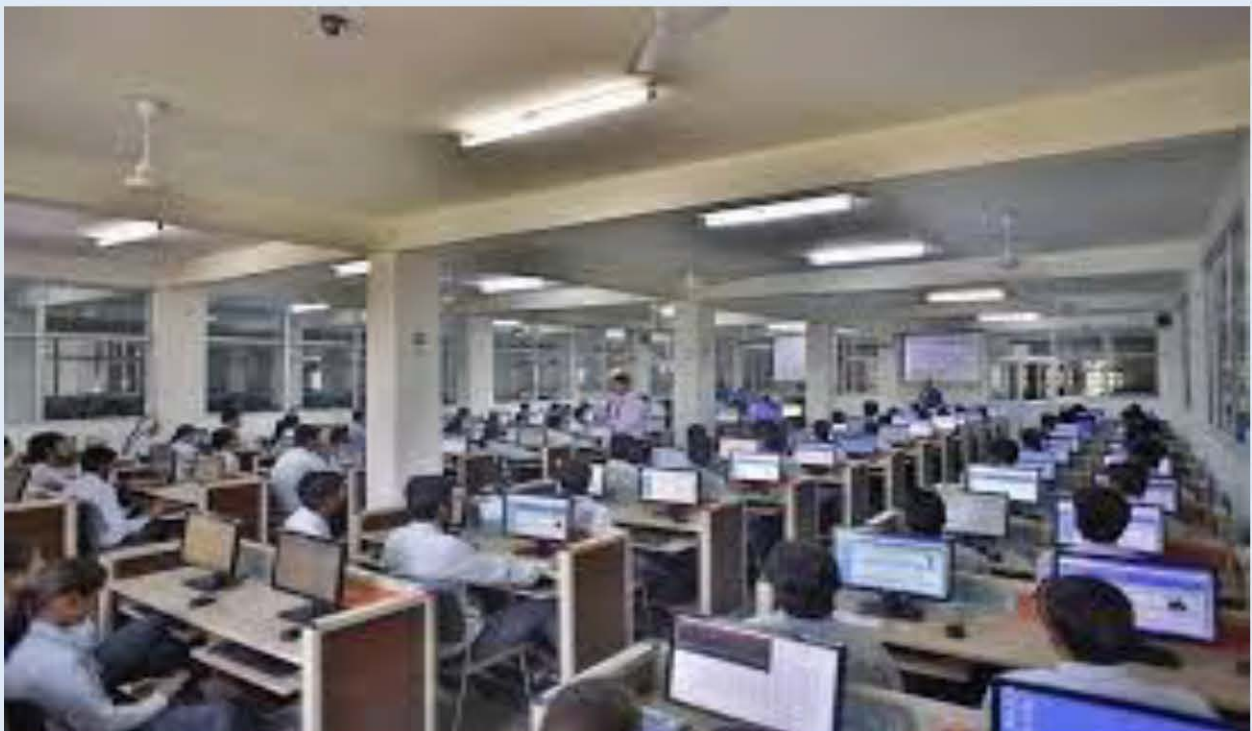


Board Room

LIBRARY FACILITY

- The University ERP and the library are connected.
- CCTV and ID card scanners keep an eye on the library.
- Exam questions, media articles, and syllabi may all be found digitally.
- Using their ERP login and the Web OPAC, users may see and search the library collection.
- KNIMBUS provides 24x7 access to subscription e-Resources from off-campus.
- The library has over a million e-books available.
- The library has an institutional repository that has IR rules.
- The institution subscribes to several e-resources, including SCOPUS, EBSCO-Business Source Elite, EBSCO-Business Core Collection, EBSCO-Engineering Core Collection, Westlaw, IEEE, ASPP, Manu Patra, EPWRF-Indian Time Series, SAGE, Indian Journals.com, and NISCAIR.
- 4.5 million full-text online materials, including rare books, journals, papers, legal reports, and many other formats, are available through SAA in both native and English languages.
- To access free digital books and papers in the nation's digital libraries, faculty members and students must register with NDLI.

- The university participates in "Shodhganga" to post theses in order to maintain academic integrity and improve transparency.
- The library belongs to e-Shodhsindhu as an associate member.
- Through DELNET, the library may access full-text and bibliographic materials on the site.
- Turnitin's accessibility as a plagiarism detector.



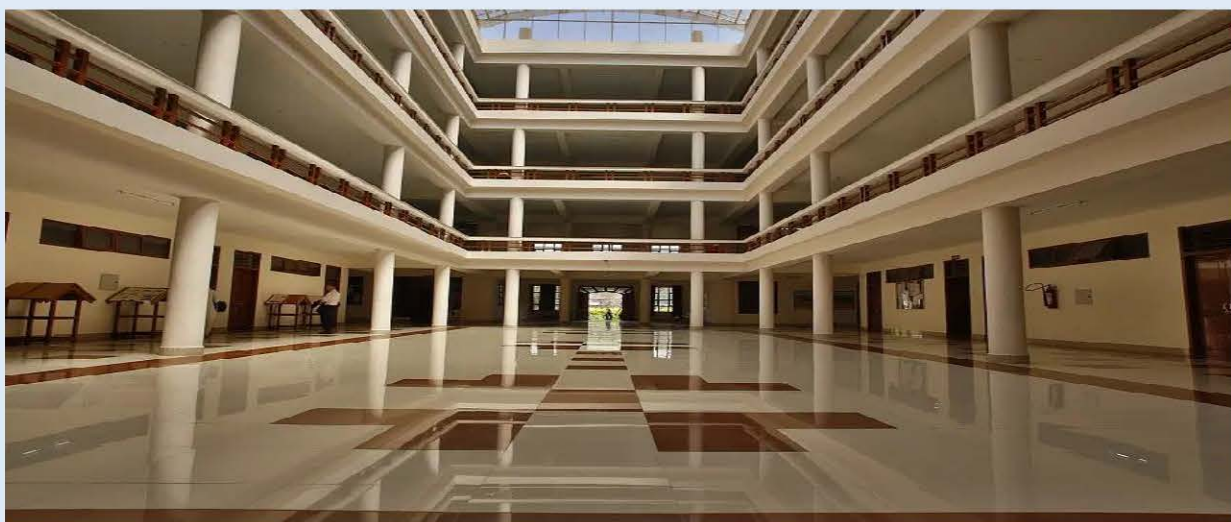
E- Library

COMPUTER LABS

The institution also places a strong emphasis on safety precautions and makes sure that the labs follow strict maintenance and cleanliness guidelines. The university gives students access to state-of-the-art computer equipment to assist research and technology-driven learning. The most recent technology and software are installed in the computer laboratories, allowing students to investigate and evaluate challenging ideas. Having access to high-speed internet connectivity allows students to remain up to date on current events and improves their overall learning experience.

ACCOMODATION FACILITY

Many students from throughout the world reside in on-campus dorms with adjacent mess halls at Uttarakhand University. Boys' and girls' hostels have been constructed separately. Accommodations are available for single, double, three, and four-bed rooms. A study table, chair, cabinet, mattress, and bed or beds are provided in every room. There are large lawns on the hostel grounds where students may relax, play games, and go on walks. We guarantee cutting-edge plumbing, security, power, and internet access via Wi-Fi around-the-clock. A lot of effort is put into keeping things clean and hygienic. Hostels are furnished with all the necessities and offer its residents a clean, pollution-free atmosphere. The communal areas of the hostel are furnished with an HD TV network, indoor games, newspapers, and laundry facilities. The Chief Warden actively oversees a different set of hostel maintenance employees. They look after lawns, clean-up, and any issues with electrical devices or sanitary systems. We do our best to give comforts of home. The hostel provides a plethora of thrilling gaming and entertainment opportunities.



BOYS HOSTEL

Table. Detailed information of boy's hostel

SR.NO	CRITERIA	DETAILS & No
1.	6 Hostel	Rooms - 564 Bed capacity- 1329
2.	Parking Area	-
3.	Food & Beverage Centre	Cafeteria - 1 Food court - 1 Tuck shop - 4
4.	Salon	1
5.	Health Centre	Hospital Facilities Available

WOMEN HOSTEL



Girl's Hostel

Table. Detailed information of girl's hostel

S.NO	CRITERIA	DETAILS & No
1.	6 Hostel	Rooms - 510 Bed capacity- 1094
2.	Parking Area	-

3.	Food & Beverage Centre	Cafeteria - 1 Food court - 1 Tuck shop - 4
4.	Salon	1
5.	Health Centre	Hospital Facilities Available

GUEST HOUSE

Table. Detailed information of Guest house

SR.NO	CRITERIA	DETAILS & No
1.	Guest House	Rooms- 12
2.	Capacity	Beds- 24 (Double)
2.	Food & Beverage Centre	Cafeteria - 1 Food court - 1 Tuck shop - 4
3.	Parking Area	-
4.	Health Centre	Hospital Facilities Available



FOOD COURT & CAFETERIA

Table. Detailed information of food area facilities

SR. NO.	Food & Beverage Centre	Quantity
1.	Cafeteria	1
2.	Food court	1
3.	Tuck shop	4
4.	Aanchal milk shake canter	1



Food Court







E- Vehicles Charging Point-1



E- Vehicles Charging Point-2

ATM FACILITY

2 ATM facilities are available in the university campus for students, faculties and public.

- 1- Bank Of Baroda
- 2- Punjab National Bank



ATM Facility



ATM-1



ATM-2

MENTAL HEALTHCARE SERVICES

Uttaranchal University prioritize the mental health and well-being of their students and staff by providing access to mental health support services. These services are crucial in helping individuals cope with the various challenges and stressors they may encounter during their academic or professional journey.

Universities offer mental health support-

- **Counselling Services:** Licensed mental health specialists, such as counsellors, psychologists, and social workers, frequently maintain counselling facilities in universities. These programs include individual or group therapy sessions for students and staff to treat a variety of mental health difficulties, including as stress, anxiety, depression, and interpersonal problems.
- **Crisis Hotlines:** Leature round-the-clock crisis hotlines that anyone can contact if they need assistance right away or in an emergency.
- **Workshops and Educational Programs:** Workshops, seminars, and educational programs on mental health issues are routinely held at universities. These gatherings could include resilience, stress management, and how to spot mental health concerns in both oneself and others.

- **Support Groups:** Some colleges set up support groups for students and employees who could gain from talking about their struggles with other people who have a similar perspective.
- **Online Resources:** Articles, self-help materials, and access to mental health screening tools are frequently made available by universities online.
- **Referral Services:** Universities may provide referral services to put people in touch with outside mental health specialists and community resources when students or staff need specialized or long-term treatment.
- **Campaigns to Reduce Stigma and Encourage Open Conversations about Mental Health:** Many colleges actively support mental health awareness through campaigns, events, and projects.
- **Psychological cell:** Psychology encompasses various fields like clinical, counselling, business, forensic, international, and educational psychology. Organizations seek psychologists with diverse skills like communication, analytical, emotional stability, problem-solving, ethical responsibility, and human resource management. This program at Uttarakhand University equips students with theoretical understanding of behaviour and experiences, focusing on general, social, abnormal, and organizational psychology. It aims to improve relationships, well-being, and professional support.

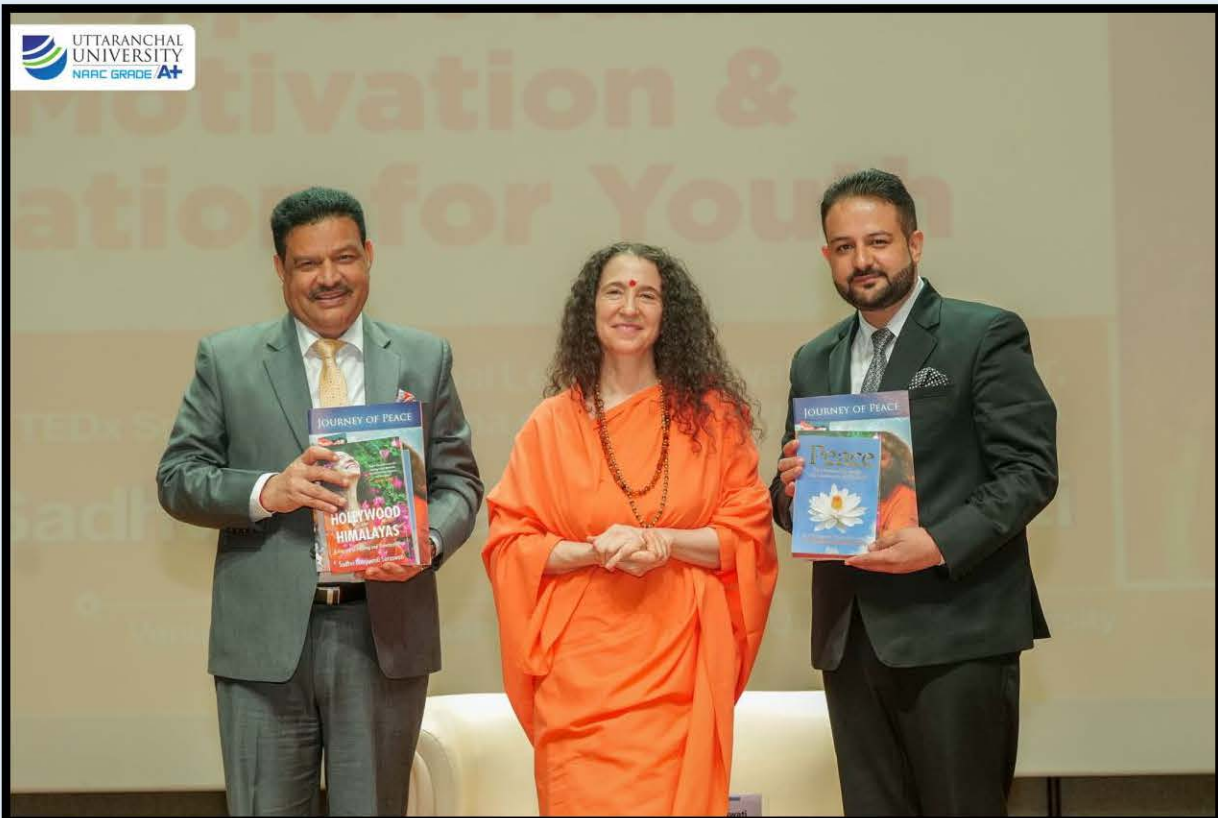
MENTAL HEALTH SUPPORT ACTIVITIES

Mental health initiatives within educational institutions such as Uttarakhand University have the potential to significantly influence society by tending to the mental well-being of students and the broader community. These programs have the capacity to enhance mental health, combat social stigma, boost academic performance, and foster suicide prevention. Moreover, universities can offer early support for mental health issues, resulting in increased productivity and employability. They can also fortify community resilience by equipping individuals with tools for more effective stress management. Programs that encourage empowerment and self-care teach people how to effectively manage their mental health, consequently lessening the strain on healthcare systems. Furthermore, universities can advocate for policy changes in the realm of mental health, heighten public awareness, and contribute to research in the field. Ensuring accessibility to mental health services for individuals from diverse backgrounds promotes inclusivity. In summary, mental health programs at these institutions contribute to a more robust, educated, and empathetic society.

MEDITATION FOR YOUTH

On October 25, 2023, at Uttarakhand University, a spiritually charged event called "An Expert Talk on Motivation and Meditation for Youth" took place. The merging of spirituality and motivation was the event's main focus, and attendees left feeling enlightened and inspired. Spiritual guide and motivational speaker Sadhvi Bhagawati Saraswati ji honored the event. The program explored the relationship between spirituality and motivation, inspiring people to uncover their inner purpose and overcome obstacles. It highlighted the ways in which spirituality and motivation are intertwined, giving attendees newfound drive and a better understanding of overcoming obstacles in life.





SHARING IS CARING

To educate and aware society towards the importance of mental health and a donation drive for motivating students and society for ‘sharing is caring’. Uttarakhand University organized a “Visit to State Mental Health Institute, Selaqui, Dehradun” on World Mental Health Day 2023 on 10th October 2023. The objective was to expose the students to real time hospital working and a donation drive for encourage the society for helping the needy and poor people. A Hospital Visit provides the required exposure to the students and gives them a practical edge that helps them to understand the theoretical aspects accurately. A proper balance of theoretical and practical exposure transforms the student of today to form tomorrow’s competent professional.





WORLD MENTAL HEALTH DAY

In commemoration of World Mental Health Day, Uttaranchal University witnessed a day filled with empowering events and activities to promote mental well-being among its students and members of faculty. The first day began with the arrival of various dignitaries.

Following the inauguration, an energetic mental health awareness rally took place, featuring students, faculty, and staff marching across the campus grounds and various departments, carrying banners and placards bearing messages of support and encouragement for those struggling with mental health challenges.





AWARENESS CAMPAIGN FOR MENTAL HEALTH

Uttarakhand University organized an Awareness rally in Selaqui, Dehradun, on World Mental Health Day 2023 (10-Oct-2023) to educate and make people aware of drug misuse and its impact on mental health. Nowadays, medicines become an essential part of our daily health life, and the public is consuming excess medicines to maintain a healthy life. Still, they are not concerned about the side effects of medicines.

The awareness rally started from the University to Selaqui, Dehradun. A group of 45 students participated and held the banner and enchanting slogans to stop drug addiction and drug abuse. Rally addresses the public in Selaqui and explains the facts about how drug abuse and anti-drugs are affecting our mental health.





‘EK SAMVAAD’

Uttaranchal University Psychological cell organized a mental health awareness visit, ‘EK SAMVAAD’, to interact with the residents of Kolhupani Village. The purpose of this visit was to raise awareness about mental health issues and provide support to those who may be struggling with mental health. During the Visit, faculty and student members of Psychological Counselling Cell discussed common mental health disorders, their symptoms, and treatment options.

Students conducted various group discussions where participants were encouraged to share their personal experiences with mental health and how it has affected their lives. They also

discussed ways to cope with mental health issues and how to support loved ones who may be struggling.

Participants were engaged and receptive, and many shared their personal experiences with mental health. Through this visit, we were able to raise awareness about mental health issues and provide support to those who may be struggling. It is important to continue to work towards reducing the stigma surrounding mental health and providing access to resources for those in need.



QUIZ COMPETITION ON MENTAL HEALTH

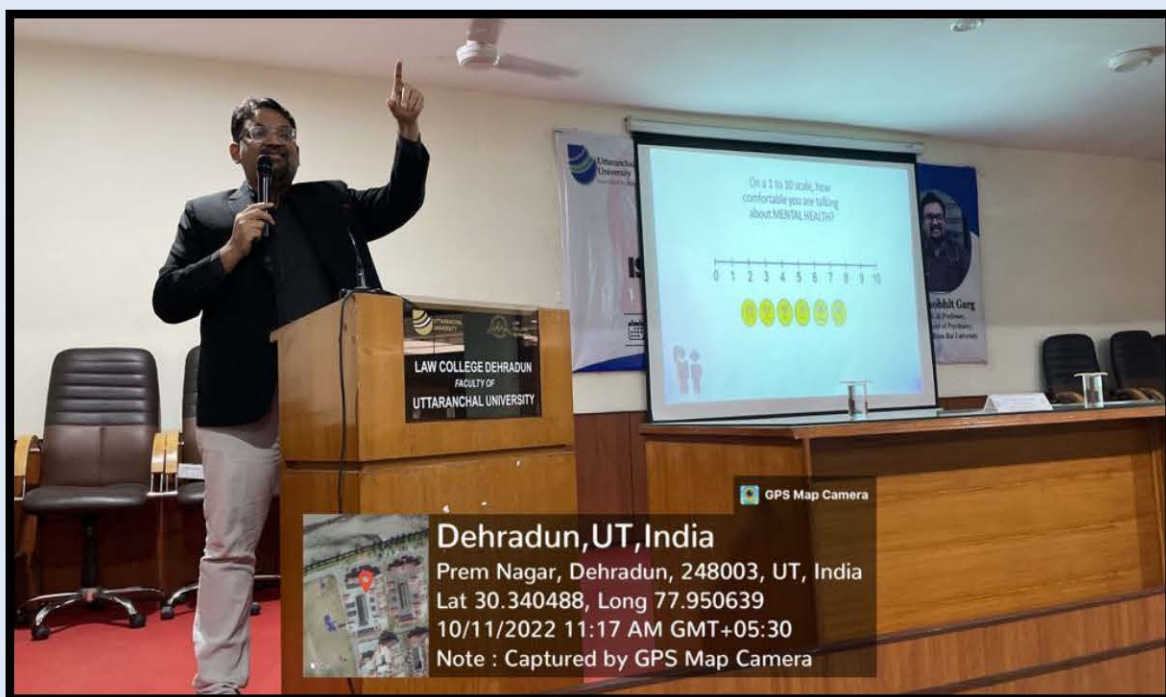
Uttaranchal University organized quiz competition today on 10 October 2022 on the "World Mental Health Day". Theme of the Quiz Competition is based on "Make Mental Health & Wellbeing For All "A Global Priority". The main objective of this event to make them aware of Mental Health among the society.



SEMINAR ON MENTAL HEALTH ISSUES AND CHALLENGES

Uttaranchal University organized a seminar on Mental Health: Issues and Challenges, under the aegis of Student Counselling Cell on 11 October 2022. The keynote speaker for the event Dr. Shobhit Garg, made the session interactive by defining mental health and the symptom by which students can monitor themselves and make out whether they are suffering from good or poor mental health. Dr. Garg explained effectively about extreme high and low emotions, sleep issues, body distortion, hormonal problems, hopelessness and helplessness, depression, anxiety disorder, OCD (Obsessive, Compulsive Disorder) and other significant issues were discussed in detail. In between the talk, Dr. Garg took the queries of the students and explained the students the possible sources of stress among the College students. Moving further, Dr. Garg told the students the Mantra of dealing with stress. He explained the students to make meaningful connections, exercise daily, create short term goals, live in the present condition, take short breaks to keep mind and body healthy, engage in self compassion, challenging negative self-talks, improvement in management skills and if problem persists, talk to mental health professional. He also told students to stay away from smoking, drinking alcohol and drugs, which is creating more stress among students.







SEXUAL AND REPRODUCTIVE HEALTHCARE SERVICES

Sustainable Development Goal 3 (SDG 3), focuses on "Good Health and Well-Being" and emphasizes the importance of sexual and reproductive health-care services. These services are crucial for reducing maternal mortality, family planning, sexually-transmitted disease (STDs) prevention and management, preventing drug and child abuse promoting adolescent health, ensuring health equity, reducing unsafe abortions, providing fertility care and infertility treatment, and addressing gender-based violence. Access to quality services, including skilled birth attendance and emergency obstetric care, significantly reduces maternal mortality. Family planning and gender equality also benefit from these services, empowering women to make informed choices about their children's numbers and spacing. STD prevention and treatment also contribute to public health, reducing the spread of these diseases. Sexual and reproductive health-care services also serve as a point of intervention for individuals experiencing gender-based violence.

University is significantly contribute to achieving SDG 3 on sexual and reproductive health-care services. They can conduct research to understand local and global sexual and reproductive health challenges, inform policies and programs, identify healthcare service gaps, and contribute to evidence-based decision-making. They can offer academic programs in public health, medicine, nursing, and related fields that focus on sexual and reproductive health, train healthcare professionals, and organize awareness campaigns to reduce stigma and promote access to healthcare services. University encourages student and faculty engagement in projects related to SDG 3, collaborate with NGOs and healthcare providers, develop telemedicine and eHealth solutions, and advocate for comprehensive sex education, contraception, family planning services, and reproductive rights. We have also established international partnerships to support sexual and reproductive health initiatives in developing countries.

ACTIVITIES ON SEXUAL AND REPRODUCTIVE HEALTHCARE

Sexual and Reproductive Healthcare (SRH) activities at Uttarakhand University have a significant societal impact. These activities improve healthcare access, reduce maternal and child mortality rates, and promote family planning and population control. They also help prevent STDs and HIV, empower women, raise awareness about reproductive health, and contribute to gender equality. SRH activities also reduce unsafe abortions and associated health risks. They focus on adolescent health, focusing on puberty, relationships, and sexual health. Community development is positively impacted by SRH, and institutions can advocate for policy changes that improve access to healthcare services. SRH activities also reduce stigma

and discrimination, fostering a more inclusive society. Additionally, research and innovation in SRH can inform best practices and lead to innovations in healthcare delivery and technology. Overall, SRH activities have the potential to improve health, promote gender equality, and foster a more informed and inclusive society.

SANITARY NAPKIN DISTRIBUTION 3.0- A SOCIETAL CONSCIOUSNESS DRIVE

Uttaranchal University under the aegis of Women Cell initiated a sanitary napkin distribution drive on 28th December 2022 to ensure underprivileged women live with dignity. The drive started with the distribution of sanitary napkins to the female supporting staff of Uttaranchal University and then to the labourers at the nearby construction site. Dr. V. Bhuvaneswari, Chairperson, Law College Dehradun Women Cell, addressed the female laborers on awareness and health issues followed by a talk on the menstrual phenomenon and ways of dealing it, the scientific and biological reasoning behind menstruation, correct usage of sanitary napkins and their disposal. The drive was a step towards creating awareness on menstrual hygiene among a group of females who cannot afford sanitary napkins on a regular basis.





AWARENESS ON MENSTRUAL HYGIENE

An awareness program on menstrual hygiene was conducted by women cell, at Uttarakhand University in association with Global hunt Foundation and their collaborators Unicharm India on 13.09.2023.

The session was conducted by Ms. Nitya Chaudhary , specialist in social work, women empowerment and project management and has been working with Unicharm India since 2016

as an integral part of CSR team. The workshop was very informative and girls were made aware about the menstrual hygiene to stay healthy and comfortable. Various problems associated with unhealthy lifestyle was also shared.



GPS Map Camera

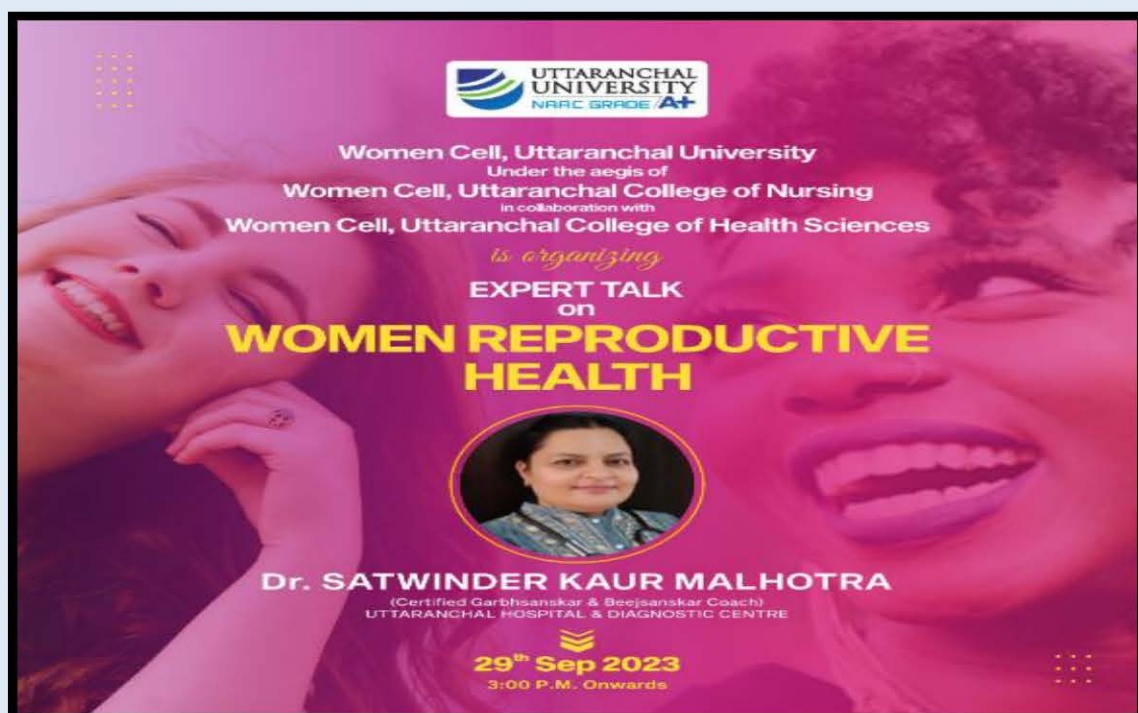
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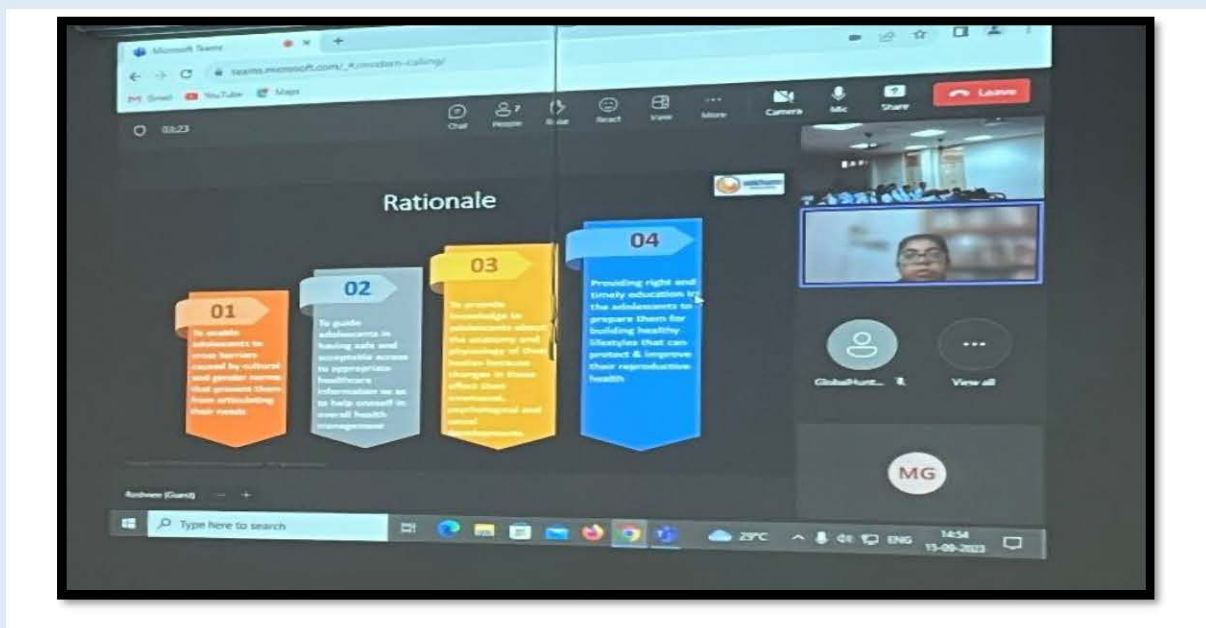
WOMEN REPRODUCTIVE HEALTH PROGRAM

Uttaranchal University in collaboration with Uttaranchal college of health science organized an expert talk on 29/09/2023. The expert of the ceremony was Dr. Satwinder Kaur, from Uttaranchal hospital & diagnostic center. In the commencement of the program welcome speech was done. Universities have an obligation to offer thorough reproductive health information since knowledge truly is power. Students can be assisted in making educated decisions regarding family planning, sexual and reproductive health through workshops, seminars, and informational materials. The prevention of unintended births and the transmission of STIs depends heavily on this educational component. Uttaranchal University ensures that these services are available to all students without discrimination based on their gender, sexual orientation, or any other criteria. Diversity and inclusivity ought to be represented in the services and teaching resources made available. This fosters a supportive and accepting society.



AWARENESS ON HEALTH AND HYGIENE FOR BOYS

Global Hunt Foundation and their associates Unicharm India on 15.09.2023 conducted a workshop on Health and Hygiene for boys at Uttaranchal University. The workshop focused on changes in the body from adolescence to adulthood and how to cope with it. Ms. Roshnee Bhowmick CSR Executive of Unicharm India conducted the workshop.



HEALTH AND WELL-BEING PROGRAM

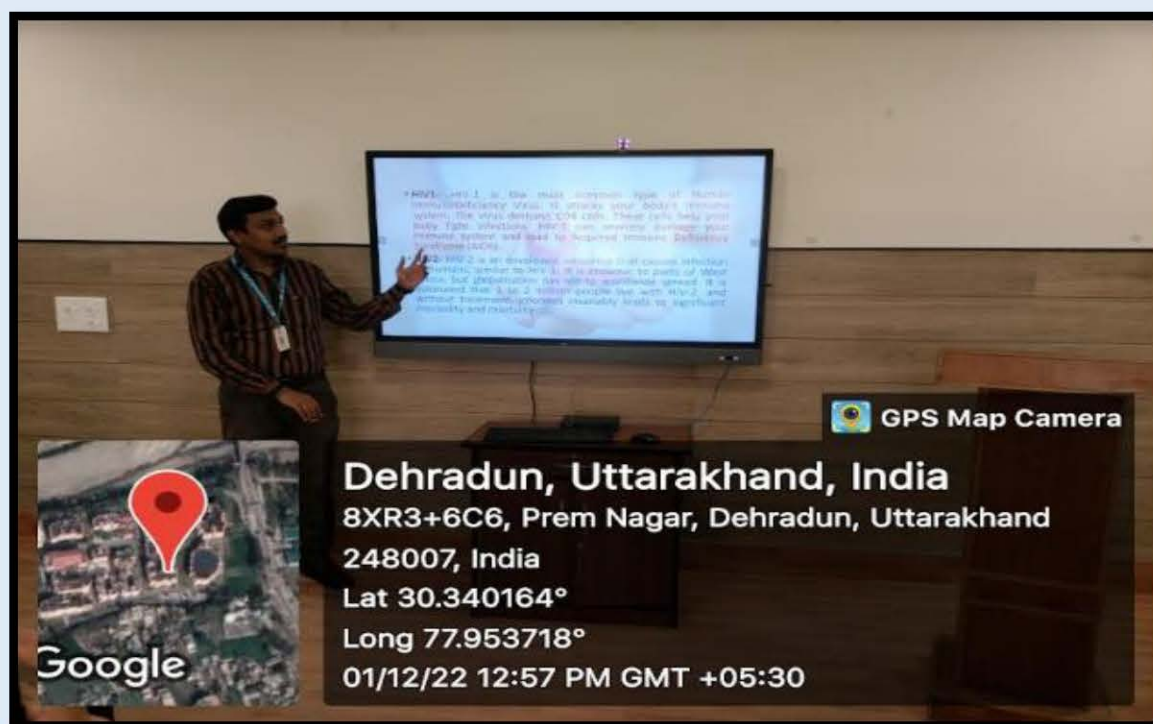
Uttaranchal University, Dehradun under the banner of Pharmacology Club organized an Awareness program in Pt. Sureshanand Joshi Saraswati Vidya Mandir, Inter college, Selaqui and Primary Health Care Selaqui, Dehradun on “WORLD PHARMACIST DAY” on 25 September 2023. The World Pharmacist Day is conferred to spread awareness against the theme Pharmacists strengthening health systems.





WORLD AIDS DAY CELEBRATION

Uttaranchal University celebrated World AIDS DAY, on 1st December 2022. The event witnessed two technical talks, one by Dr. Monika Singh in which she discussed how HIV virus invades human cells and propagates and how condition like AIDS is developed. In another technical session Dr. Minakshi Rajput had an interactive session with participants pertaining to preventive measures, importance of counselling and available therapeutic support for HIV infected person. Students also participated through e-poster/ power point presentation. Aum Garg of B.Sc. (H) Biotechnology was awarded best presentation award. Prof. Ajay Singh in his address congratulated the organizing team for the initiative and encouraged the students to spread the message and awareness about HIV and AIDS in society specifically to eradicate the social stigma associated with HIV.



OUTREACH ACTIVITIES

Uttaranchal University outreach programs are of utmost importance because they are essential in forging close links between the university and the community. Through these programs, the university engages with the needs and difficulties of the neighborhood directly and expands its knowledge, resources, and expertise outside the campus. This helps the university meet its social obligation while simultaneously giving its students excellent educational opportunities and real-world experience. Programs for outreach cover a broad range of activities, including healthcare, environmental protection, cultural exchange, and economic growth. They support long-term sustainability and research opportunities in addition to meeting the urgent needs of the community. Additionally, by broadening their worldview and equipping them to face issues in the real world, these activities help kids develop a sense of social responsibility. Ultimately, outreach initiatives have a beneficial and long-lasting effect on the lives of the people the university serves, demonstrating the institution's dedication to the holistic development of both its students and the community.

The welfare of the local community and the larger society has always been a priority for Uttaranchal University. The university works to positively touch people's lives and encourage social change through various outreach programs. The university organized a Guest Lecture intended to improve the knowledge and abilities of those working in the pharmaceutical business, which helps produce safe and effective medicines. In addition, the university

organized workshops on sophisticated instruments for skilled and advanced research, which significantly advanced research in the area by giving aspiring scientists and researchers access to cutting-edge equipment and valuable training.

To empower the next generation, the university observed International Day of the Girl Child under the banner "Our Time is Now Urights Our Future," focusing on young girls' rights and empowerment; this event aims to promote social justice and encourage a more equal society. Additionally, Uttaranchal University held a Cloth Donation Drive to address a critical social issue and offer much-needed assistance to those in need. Students at the institution acquired real-world experience in the pharmaceutical business through Industrial Visits to places like Biological E and Sharon Bio Medicine Ltd.; this helped to create jobs locally and paved the road for their future careers.

Awareness programs on World Heart Day, World Pharmacist Day, and Women's Reproductive Health, the institution also actively tackled healthcare issues. By raising awareness and educating people, these programs gave them the confidence to take control of their health. Programs that encourage academic and scientific excellence, such as the Ozone Day poster presentation competition and the Publication Scientific Writing & Drug Safety Programme, have stimulated creativity and intellectual development among academics.

The outreach efforts went beyond scholarly pursuits. The Women Cell's workshops on menstrual hygiene, health and hygiene, transgender rights, and women's health and nutrition were essential in raising awareness and starting discussions about these significant societal concerns.

The university actively addressed social and environmental issues and health and education. Important worldwide issues have gained more attention thanks to National Cancer Awareness Day, World Habitat Day, and Zero Emissions Day.

Through Free Eye and Health Checkup Camps, which benefited the local population, and by providing free health check-ups in honor of World Heart Day, the university showed its dedication to the community's well-being.

The community has benefited greatly from Uttaranchal University's outreach initiatives. The community has become more conscious and powerful due to its efforts, which have tackled various issues, including social justice, health, education, and the environment. Through these proactive endeavors, the institution has demonstrated its commitment to the advancement of society and the complete personal growth of individuals.

BLOOD DONATION CAMP BY UTTARANCHAL UNIVERSITY WITH SUBHARTI HOSPITAL & DOON HOSPITAL

November 26th, Dehradun. On this auspicious Constitution Day, a massive function was arranged at the Uttaranchal University Law College Dehradun faculty. Dr. Anil Prakash Joshi, winner of the Padma Bhushan, served as the event's chief guest. At the University Shourya Wall, flowers were thrown at the start of the ceremony along with patriotic shouts honouring the nation's martyrs. Five blood banks took blood from donors at a massive blood donation camp that was arranged for the occasion. Under the direction and with the help of the Legal Aid Centre and N.S.S., the camp was run and staffed by volunteers. University staff, faculty, officers, and students eagerly participated in the event, and a record-breaking 1287 units of blood were given.



Blood donation camp by Uttaranchal University with Subharti hospital & Doon hospital

GOOD MANUFACTURING PRACTICE (GMP)

Uttaranchal University organized a guest lecture by Mr. Ram Kishor Kushwaha, Deputy Manager, Quality Assurance in Mankind Pharma, on GMP for B. Pharm 3rd year and 4th year students on 14th October 2023. The event's objective was to promote awareness about the importance of quality, vendor accreditation, vendor credibility, and the systems of GMP, right from product development to distribution. This program is available at Uttaranchal Institute of Pharmaceutical Sciences, which helps the students develop excellent knowledge of the importance of GMP. Around 200 Students actively participated in the program from institutes and universities with full enthusiasm and interest.



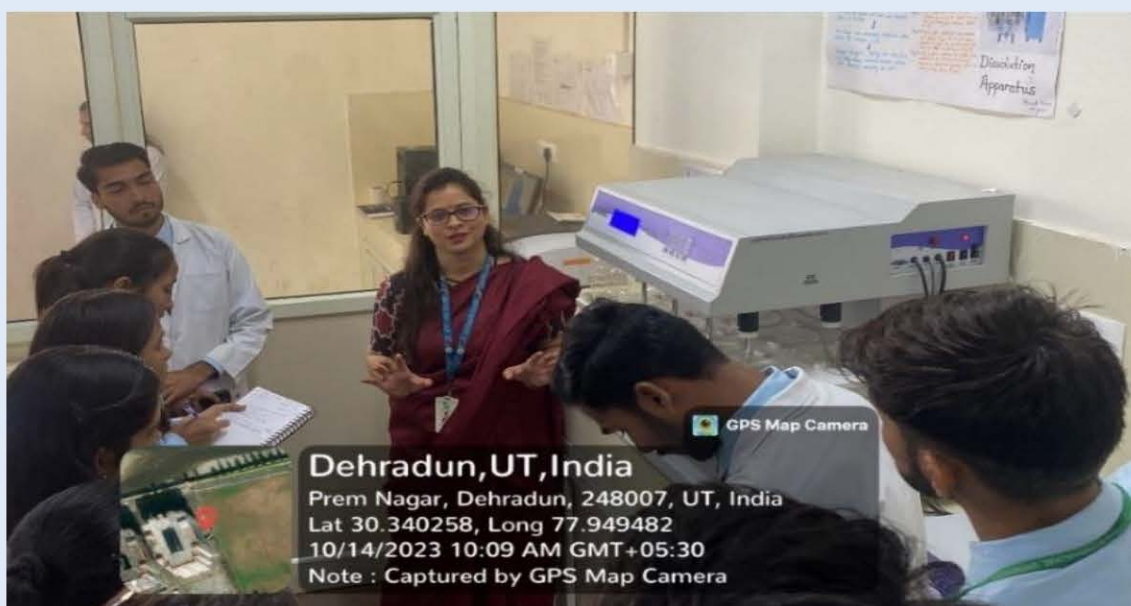
HANDS-ON SOPHISTICATED INSTRUMENTS FOR ADVANCED RESEARCH WITH

On October 13–14, 2023, in this training, students and faculty from UG, PG, and PhD colleges in handling/troubleshooting high-end scientific instruments and developing research-related skills. The session attracted 75 enthusiastic students and researchers from institutes and universities. The workshop was to show students about the working and handling of various instruments such as SEM, EDX, XRD, FTIR, Brookfield Viscometer, Disintegration

Apparatus, Rotary Evaporator, and Probe Sonicator. The event's objective was to promote awareness about these sophisticated instruments available at Uttaranchal Institute of Pharmaceutical Sciences, which helps the students develop excellent knowledge of the importance of these instruments.

The workshop aimed to show students about the working and handling of various instruments such as HPLC, Dissolution Apparatus, UV Spectrophotometer, Rotary tablet Punching Machine, and Tablet Coating. Along with this, the formulation and evaluation of different types of tablets have been demonstrated to the students. The event's objective was to promote awareness about these sophisticated instruments available at Uttaranchal Institute of Pharmaceutical Sciences, which helps the students develop excellent knowledge of the importance of these instruments.







CLOTH DONATION DRIVE

Uttaranchal University organized a “Cloth Donation Drive to State Mental Health Institute, Selaqui, Dehradun” on World Mental Health Day 2023. The objective of the visit was to expose the students to real-time hospital work and a donation drive to encourage society to help the needy and poor. Educating society on the importance of mental health and a donation drive for motivating students and society to ‘sharing is caring.’ A Hospital Visit provides the required exposure to the students and gives them a practical edge, which helps them to understand the theoretical aspects accurately. A proper balance of theoretical and practical exposure transforms today's students to form tomorrow’s competent professionals.





AWARENESS PROGRAM ON TRANSGENDER RIGHTS

As an initiative towards creating awareness of transgender rights, National Institute of Social Defense (NISD) and Ministry of Social Justice & Empowerment, Govt. of India in collaboration with Uttarakhand University organized an awareness program on 'An Initiative to Create Awareness of Transgender Rights' on March 10, 2023.

The Government of India under the aegis of National Institute of Social Defence and Ministry of Social Justice & Empowerment in collaboration with Uttarakhand University has taken initiative to include them in the society respectfully. Keynote speaker, empathized with the LGBTQ who have been ostracised by the society and that they should be able to enjoy basic rights such as right to education, etc. She impressed upon the modern civilized society to not be prejudiced against the transgender community. Numerous students and staff members including faculty fraternity joined the guest lecture in the hybrid mode.



HEALTH AWARENESS AND CHECK-UP CAMP ON OCCASION OF WORLD TB DAY

Uttaranchal University organized a free health awareness and checkup camp on the occasion of World TB Day, 24 March 2022 in Junior High School, Kotla Santoor, Dehradun. Dr. Rishabh Joshi, MBBS, and his renowned team attended the camp. In the camp, 80 patients have registered for the checkup of major complaints like Gastric problems, underweight, rashes, Common flu, etc for which they were provided with the appropriate medicine as prescribed by the team of doctors. Apart from this BMI of the school children, Blood sugar, and Blood Pressure of school staff was also checked by the pharmacy students of the university and also

provided with basic counseling and awareness on Tuberculosis and other ailments and the use of medicines.





BLOOD HEALTH CHECK-UP CAMP

A Blood Health check-up Camp was organized for the impoverished, providing free, high-quality medical treatments, as well as full-body medical checkups on April 11, 2022, at the health care center of Uttaranchal University. The camp was held in collaboration with Path Kind Lab of Dehradun and the Student Council of Uttaranchal University under the aegis of the Student Welfare Office of Uttaranchal University. The lab gave a free blood examination as well as free Blood Sugar, Cholesterol, and TSA tests. Path Kind Lab is also offering a 10% discount on any leftover diagnostic tests in its lab.





INTERNATIONAL NURSES DAY CELEBRATION

Uttaranchal University celebrated International Nurses Day on 12th May, 2022. The theme for 2022 is Nurses: A Voice to Lead - Invest in Nursing and respect rights to secure global health.



CONFERENCE ON LGBTQ BY MINISTRY OF SOCIAL JUSTICE-TO RAISE CONSCIOUSNESS

On December 27, 2022, the National Institute of Social Defence, New Delhi, under the Ministry of Social Justice and Empowerment, in collaboration with the School of Journalism

and Mass Communication of Uttarakhand University, Dehradun, organized a conference on the topic Transgender Persons (Protection of Rights) Act 2019. The purpose of the seminar where on the one hand L.G.B.T.Q. Students were to be made aware about the law and rights related to transgender, while on the other hand there was also an attempt to connect the transgender community with the mainstream.

Uttarakhand's first female transgender and social worker Ms. Aditi Sharma graced the program as the chief guest. Sharing the bitter experiences of her life, Ms. Aditi Sharma said that the circumstances and difficulties she faced as a transgender to carve out a niche for herself in the society was not easy. Speaking on social justice and empowerment, Mr. Sanjay Panwar, Advisor, NISD in the program stressed the need to end discrimination against the transgender community. The main attraction of the program was the play "Pehchan" presented by the theatre club Abhivyakti of the Department of Journalism and Mass Communication, Uttarakhand University.



FREE EYE CHECK-UP CAMP ORGANIZED BY UTTARANCHAL UNIVERSITY AND TITAN EYE+

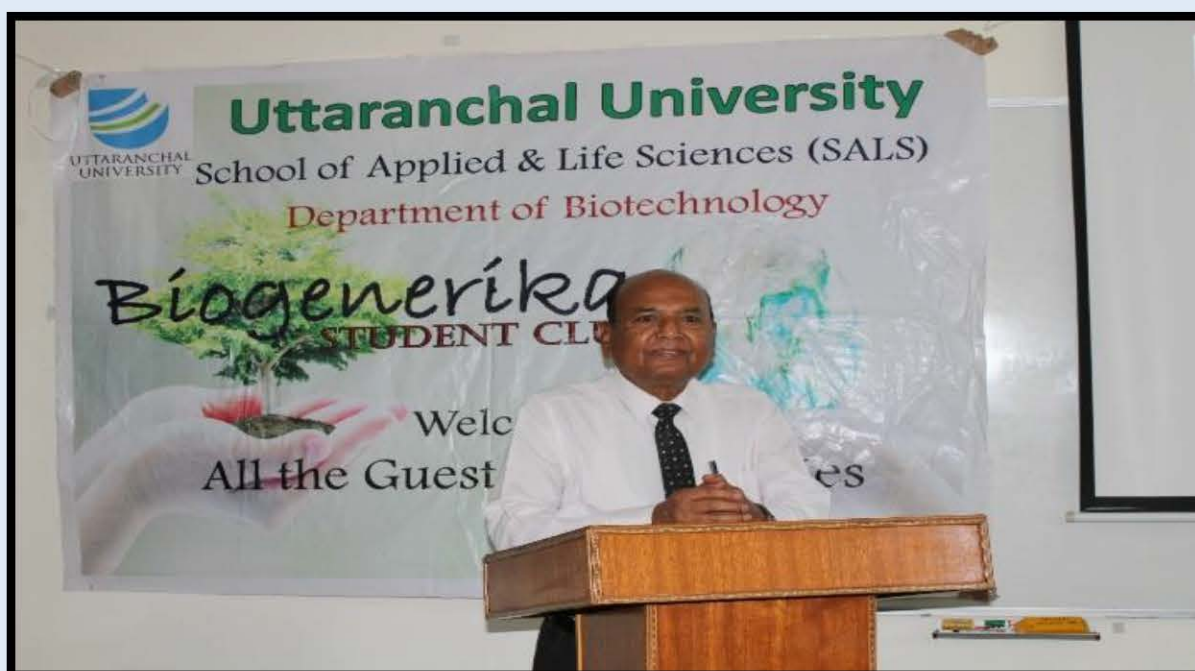
The overall health conditions of all the Teaching and Non-Teaching staff of University, all Institutions and schools of Uttarakhand University was checked up by the team of specialist. After checking, the Optometrist doctor advised necessary medication, actions and precautions

if needed to be taken. The services provided in the camp was Eye Testing, Eye care tips, free spectacle servicing and cleaning. In the camp, more than 70 number of People registered for the check-up.



INTERNATIONAL DAY AGAINST DRUG ABUSE AND ILLICIT TRAFFICKING

On 26th June, 2021 BIOGENERIKA- Biotech student club Department of Biotechnology SALS organized a webinar on “International Day Against Drug Abuse and Illicit Trafficking”. In his address key note emphasized the importance of the issue with specific reference to youth and students as drug abuse not only ruins their career but also is life threatening. He emphasized on contribution of one and all to combat drug abuse and illicit trafficking.



WORLD HEART DAY

Uttaranchal University, under the banner of Pharmacology Club and Women Cell, organized a Hospital Visit and awareness program on “WORLD HEART DAY” on 29th September 2023 with the theme “Use Heart for every Heart.” The visit was conducted in Hospital Dr. K.K.B.M Subharti Hospital, Dehradun, and State Mental Health Institute, Selaqui, for the pharmacy students. The primary objective is to give hands-on training to the students in practice school and to educate them about cardiovascular diseases, Mental health disorders, their prevention, management, and the role of pharmacists in hospitals. It provided students with an opportunity to interact with healthcare professionals and patients and observe real-world applications of pharmaceutical knowledge in a clinical setting.





WORLD PHARMACIST DAY

In honor of "WORLD PHARMACIST DAY" on September 25, 2023, the Pharmacology Club of Uttaranchal University, Dehradun, held an awareness program at Pt. Sureshanand Joshi Saraswati Vidya Mandir, Inter College, Selaqui, and Primary Health Care Selaqui. Uttaranchal Institute of Pharmaceutical Sciences pharmacy students reported unsafe pharmaceutical responses to students and PHC residents. Most people and students learn about organ donation and ADR reporting via the awareness campaign.





NATIONAL PHARMACOVIGILANCE WEEK

Uttaranchal University organized Continuing Medical Education (CME) in Publication Scientific Writing & Drug Safety Program “National Pharmacovigilance Week” Theme "Boosting Public Confidence in Pharmacovigilance" held on 23 September 2023. In this session, a guest explained how to write a scientific paper and the ethics for writing and publication and shared information about the pharmacovigilance and materiovigilance program. The CME was very informative and interactive. The speaker explained student queries. Two hundred candidates registered for the program from different Institutions and Universities.





OZONE DAY

The University Eco Club is organizing a Poster-Presentation Competition on “Montreal Protocol: fixing the ozone layer and reducing climate change” for university students on “Ozone Day” on September 16, 2023, at Uttarakhand University. The activity encouraged students to create an intellectually stimulating learning environment—the event aimed to protect the ozone layer by limiting global production and consumption. The competition also allows students to showcase their skills and improve their poster presentation. 30+ student teams enthusiastically attended the competition.





INDUSTRIAL VISIT TO HIMALAYA WELLNESS COMPANY

Uttaranchal University, Dehradun, organized an industrial visit to Himalaya Wellness Company, Dehradun, Uttarakhand, on -02 September 2023.

They showed a documentary on the journey of a Himalaya wellness company and the contribution of Himalaya towards humanity as they also conducted a mission for contributing to cleft surgery of children. After that, Dr. Suman took students to visit the Department of Quality Control and Quality Assurance, the manufacturing unit, the herbal garden, and the museum. Students also explored the museum, Herbal Garden, and manufacturing unit of the Dehradun Plant. The visit to the company was beneficial as the students got a piece of good knowledge and were well informed about the industry's production.



WORKSHOP ON IMMUNO-DIAGNOSTIC TECHNIQUES INTERNATIONAL IMMUNOLOGY

Biogenerika Club of the Uttaranchal University organized a one-day workshop on Immuno-Diagnostic techniques to commemorate Immunology Day on 29th April 2023. The event aimed to enhance the knowledge and understanding of undergraduate and postgraduate students in Biotechnology and Microbiology about various instruments and techniques utilized in immunology-based diagnostics. An expert emphasized the significance of understanding immunity and how to boost the body's immune system. His speech highlighted the need for workshops to bridge the gap between theoretical knowledge and practical application. The

workshop concluded with a vote of thanks or a conclusive line delivered by Dr. Nishesh Sharma.



NATIONAL VACCINATION DAY

Uttaranchal University Pharmacology Club organized an Awareness Camp on National Vaccination Day 2023 in Government Upper Primary School, Panditwari, Dehradun, on 16/03/2023. During the camp, the students of the school were told that the purpose of National Vaccination Day is to recognize and show appreciation for the dedication of front-line healthcare workers who work to guarantee that every kid receives vaccination. The students

were made aware of different types of vaccines like polio, diphtheria, and tetanus and about the importance of Immunization as an easy, secure, and reliable method of preventing hazardous infections. About 46 students from the school attended the camp.



AWARENESS ON TRANSGENDER RIGHTS

The National Institute of Social Defence (NISD) and Ministry of Social Justice & Empowerment, Govt. of India, in collaboration with Uttaranchal University under the aegis of Uttaranchal Institute of Pharmaceutical Sciences (UIPS), organized a Guest Lecture on 'An

Initiative to Create Awareness of Transgender Rights' on March 15, 2023. The guest lecture highlighted the Rights of the third gender and the vital role played by them in our society and also spoke about the need to sensitize students to understand the pulse of society.



WOMEN'S HEALTH AND NUTRITION

On the occasion of International Women's Week, a guest lecture on "Women Health and Nutrition" was organized by the Women Cell, Uttaranchal University, on 3 March 2023. The guest speaker talked about how one can maintain one's health by taking proper nutrition in the correct proportion. She also explains the eat healthy plate concept, which is crucial for a balanced diet. It shows how much of our food should come from each food group. She has also

explained very nicely about the effect of female hormones, which have a significant role in women's health. The lecture was very informative and interactive.



NATIONAL SCIENCE DAY

Uttaranchal University on National Science Day on 27-28 February 2023. In this Programme, students present a post on waste-water treatment and give an Idea of Young India for obstacles avoiding a car. In another event organized by UCOST on the same occasion, the students of Uttaranchal Institute of Pharmaceutical Sciences, Uttaranchal University Dehradun, secured a third position among all the colleges of Uttarakhand.



OUT-REACH EYE AND HEALTH CAMP

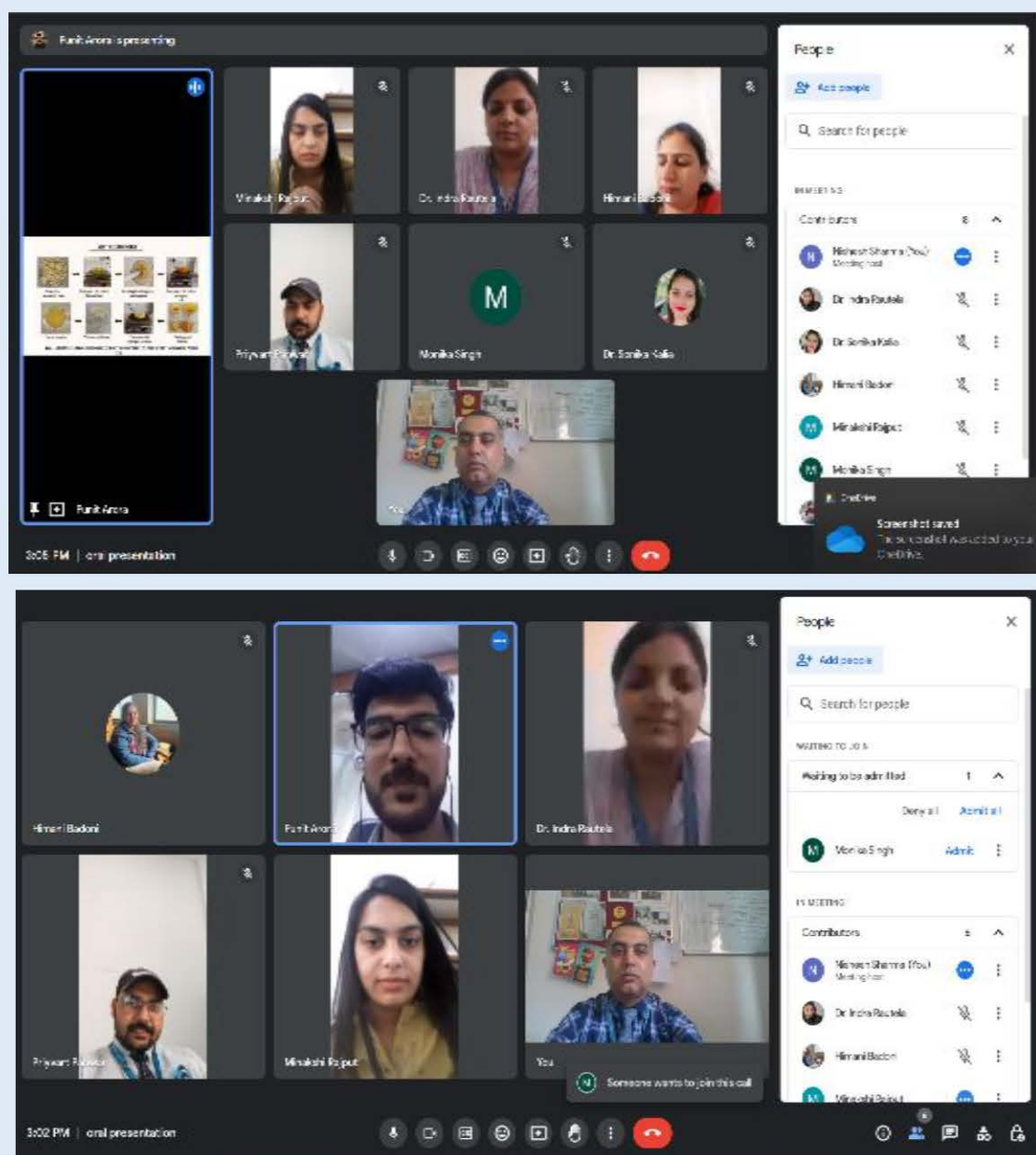
The Out-reach camp was successfully conducted in Gram Panchayat Bhavan, Aamwala, Dhaulas, Dehradun in collaboration with Titan Eye +, Titan World, and Daffohils Laboratories Pvt. Ltd. The free eye testing, spectacles Services/Cleaning, Eye Care Tips, Free health Check-up, Blood pressure, Blood Group detection, Blood Sugar, Free dispensing of medicines on prescription was done at camp. In the camp, 68 patients are registered for checkups of chief

complaints like Hypertension, Diabetes, common flu, etc, for which they are provided with appropriate medicine as prescribed by doctors.



CANCER PREVENTION & DIAGNOSTICS

Biogenerika club of the Uttarakhand University organized a webinar on Cancer prevention and diagnostics. The webinar aimed to create awareness about preventive measures and cancer diagnosis. In this session, guests provided technical details about advancements in diagnostics techniques related to cancer diagnosis and different preventive measures for cancer, including a healthy lifestyle. In his address, he emphasized scientific studies to develop methods for early cancer diagnosis. In his address, Prof. Ajay Singh highlighted the significance of organizing such an awareness program.



FREE CHECK UP WITH TITAN EYE+

Uttaranchal University with Titan Eye + (Titan World) organized a free Eye Check-up Camp in Uttaranchal Institute of Pharmaceutical Sciences building, Dehradun, on 28/12/2022.

The overall health conditions of all the Teaching and Non-Teaching staff of the University, all Institutions, and schools of Uttaranchal University were checked by a team of specialists. After reviewing, the Optometrist doctor advised necessary medication, actions, and precautions if necessary. The services provided in the camp were Eye Testing, Eye care tips, Free spectacle servicing, and cleaning. In the camp, more than 70 People registered for the check-up.

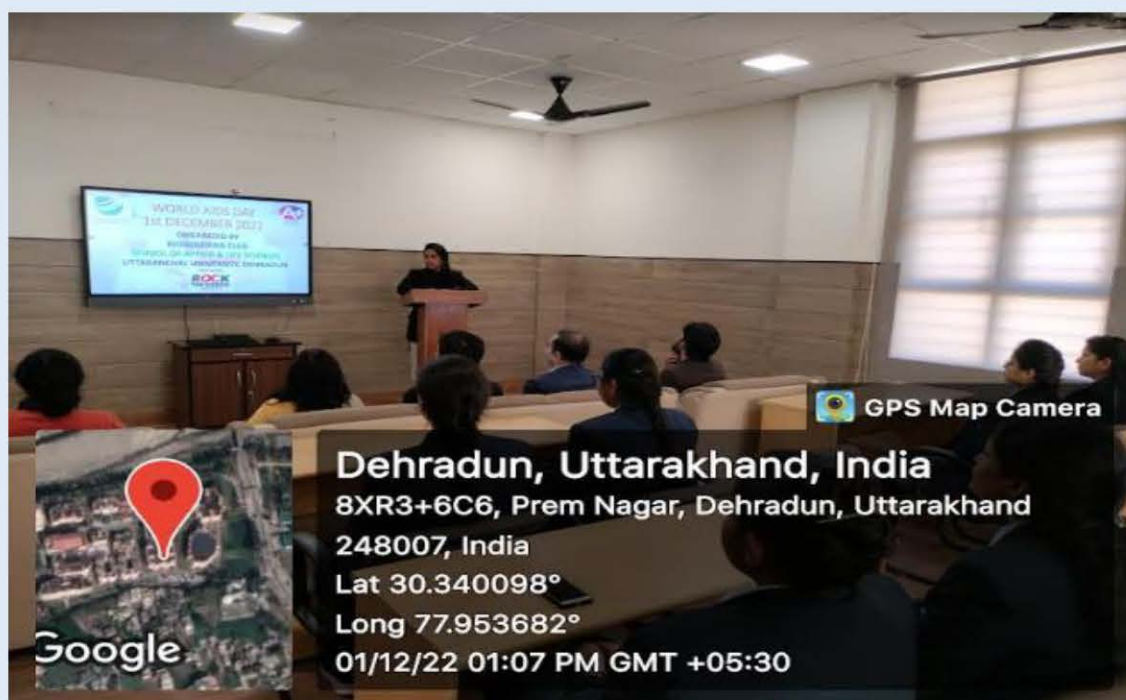


SKILLS AND INNOVATION STRATEGIES ON INTELLECTUAL PROPERTY RIGHTS

Uttaranchal University organized a two-day National Seminar on “Skills and Innovation Strategies on Intellectual Property Rights” on 22-23 December 2022, sponsored by UCOST in collaboration with APTI and IPA. The eminent motivated the gathering and explained the goal of this seminar, that it can provide knowledge and skills needed for researchers, faculty, and

students to gain technical expertise related to IPR. He delivered his talk on the topic “Need of IPR in the current scenario.”

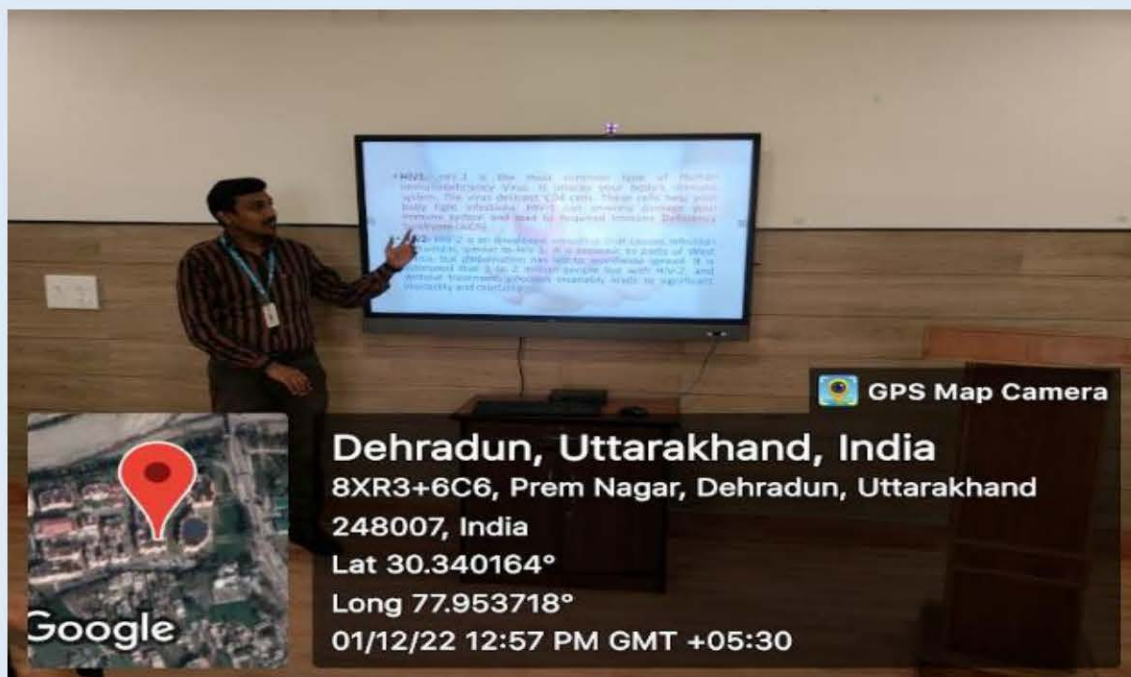




AWARENESS PROGRAMME ON WORLD AIDS DAY

The Biogenerika Club of Uttarakhand University organized an awareness program on World AIDS DAY, 1st December 2022. The event witnessed two technical talks, one by Dr. Monika Singh in which she discussed how HIV invades human cells and propagates and how conditions like AIDS are developed. In another technical session, Dr. Minakshi Rajput had an interactive

session with participants about preventive measures, the importance of counseling, and available therapeutic support for HIV-infected persons.



NATIONAL PHARMACY WEEK

Workshop on complex instrument handling at Uttaranchal University for National Pharmacy Week. The Uttaranchal University Institute of Pharmaceutical Sciences observed National Pharmacy Week November 18–19, 2022. The topic is "Pharmacy of the World—India" this year. The course taught graduate, undergraduate, researcher, and academician students advanced pharmaceutical equipment.

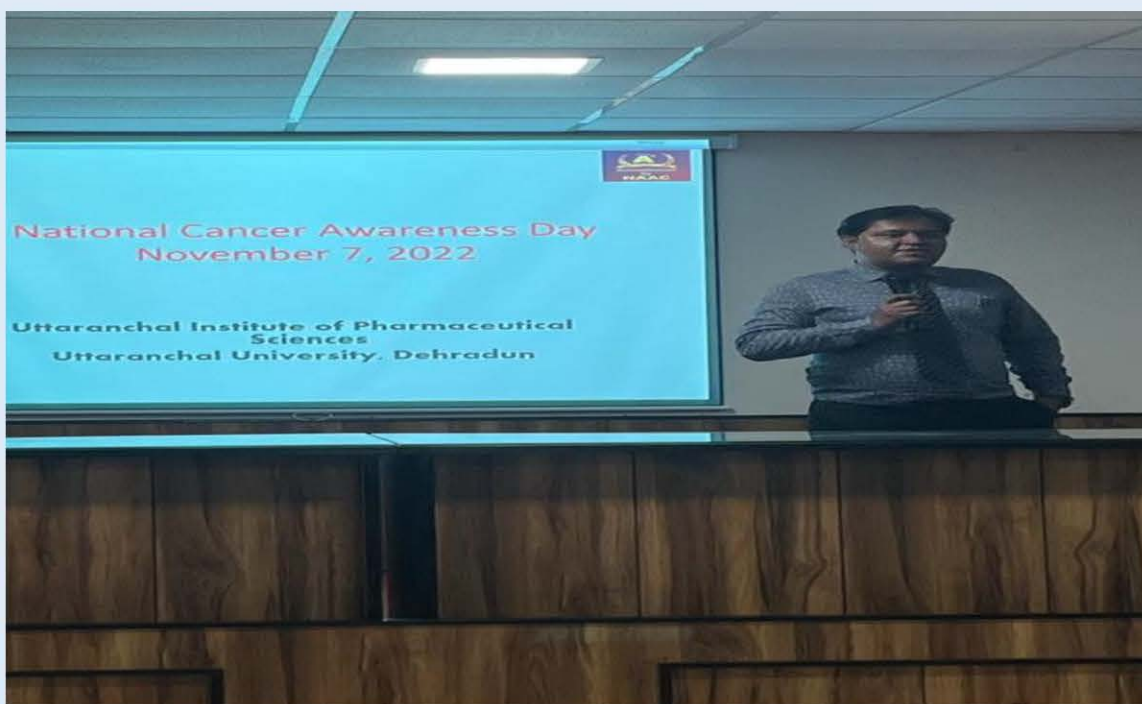
On the first day, a student from different institutions learned FTIR, UV-Spectrophotometer, HPLC, SEM, and XRD theoretically and practically. Analytical instrument handling training included method development and validation. They explained modern FTIR, UV, HPLC pumps, columns, autosamplers, and detectors. Chemical mixtures are separated and quantified by HPLC. Fundamental lab subjects are extensively addressed to prepare students for lab work. Pharmaceutical formulation development technologies were examined. Rotary tablet compression, dissolving, and disintegration were covered.





NATIONAL CANCER AWARENESS DAY

On November 7, 2022, Uttaranchal University held a National Cancer Awareness Day program. The Pharmacology Club organized it. Dr. Ankit Sharma, Asst. Prof. UIPS spoke on community cancers and myths. The awareness program had 110 kids. He highlighted cancer risk factors and warning signals. Presently, college students are sensitive to smoking, chewing tobacco, drinking, and living a healthy lifestyle. Cigarette smoking causes one-third of all cancers, including 95% of lung cancer. Oral malignancies are also linked to tobacco and snuff use. Liver, breast, brain, blood, and other cancers result from alcohol. Dr. Ankit's short film on smoking and alcohol-induced cancer inspired everyone.



INDUSTRIAL VISIT TO SHARON BIO MEDICINE LTD. AND BIOLOGICAL

University, Dehradun, organized an Industrial visit to Sharon Bio Medicine Ltd. and Biological E, Selaqui, Dehradun, Uttarakhand on 08th October 2022. The Pharmaceutical Club of the Department organized the visit.

The objective of the visit was to give students insight into how companies operate. Mr. Amit Kotiyal, Head of Production, interacted with the students and explained the working culture of the industry. During the visit, the students visited the production unit, QA, QC, packaging unit,

and warehouse department of the industry. The visit to the company was very fruitful as the students got a good knowledge of the production in industry from the experts.



WORLD HEART DAY

Uttaranchal University, Dehradun, under the banner of Pharmacology Club, organized a free health Checkup Camp in Pt. Sureshanand Joshi Saraswati Vidya Mandir, Inter collage, Selaqui,

Dehradun on “WORLD HEART DAY” on 29/9/2022. World Heart Day is conferred to spread awareness against cardiovascular disease & to minimize the consequences of (C.V.D). Dr. Rishabh Joshi, MBBS, and his renowned team attended the Camp. The team of doctors checked the overall health conditions of all the Villagers.

After checking, the doctor prescribed necessary medication, actions, and precautions if needed. Besides health checkup, Patient counseling and distribution of Medicine was also done by the Pharmacy Students of Uttaranchal Institute of Pharmaceutical Sciences.



WORLD HABITAT DAY

Uttaranchal University, Dehradun, celebrated World Habitat Day by organizing a quiz competition with the Theme: INEQUALITIES on 03 October 2022. World Habitat Day 2022 draws attention to the growing inequalities and vulnerabilities exacerbated by the triple ‘C’ crises — COVID-19, climate, and conflict.







WORLD PHARMACIST DAY

Uttaranchal University celebrated World Pharmacist Day on 25 September 2022. The Theme of this year was “Pharmacy United in Action for a Healthier World,” which aims to promote unity and highlight the sound effects of pharmacy on health.

Uttaranchal Institute of Pharmaceutical Sciences conducted a rally based on a Theme-Pharmacy United in action for a Healthier World to create awareness among the society regarding health concerns. The pharmacist Oath was taught by the faculty and students. The pledge serves as an ethical compass for pharmacists throughout their careers, helping them navigate professional quandaries such as patient support and care.







ZERO EMISSIONS DAY

Uttarakhand University, Dehradun, celebrated Zero Emission Day by organizing a Model Making Competition with the Theme: Mitigation of Climate Change on 21 September 2022. Zero Emissions Day is an essential reminder that we all have a role in protecting our planet toward a future of environmental sustainability.

The activity encouraged the students to attempt to create a learning environment for intellectual expansion. The objective is to promote the use of renewable energy sources, as opposed to finite fossil fuels. The competition also aims to provide an opportunity for these students to reveal their skills and raise alertness and the skills of debate and advocacy. Nukkad natak was

performed by the B. Pharm. students, giving the message against the use of single-use plastic and its impact on society. Twenty-seven teams of 96 students actively participated in the competition with full enthusiasm and interest.





WORLD OZONE DAY

Uttaranchal University organized a poster Competition on International Ozone Day today, on 16th September 2022. The Students Club organized the event Guard of Greens. The main objective of the event was to encourage students to exhibit their knowledge, presentation skills, and innovative ideas, as well as to create social and environmental awareness among students.

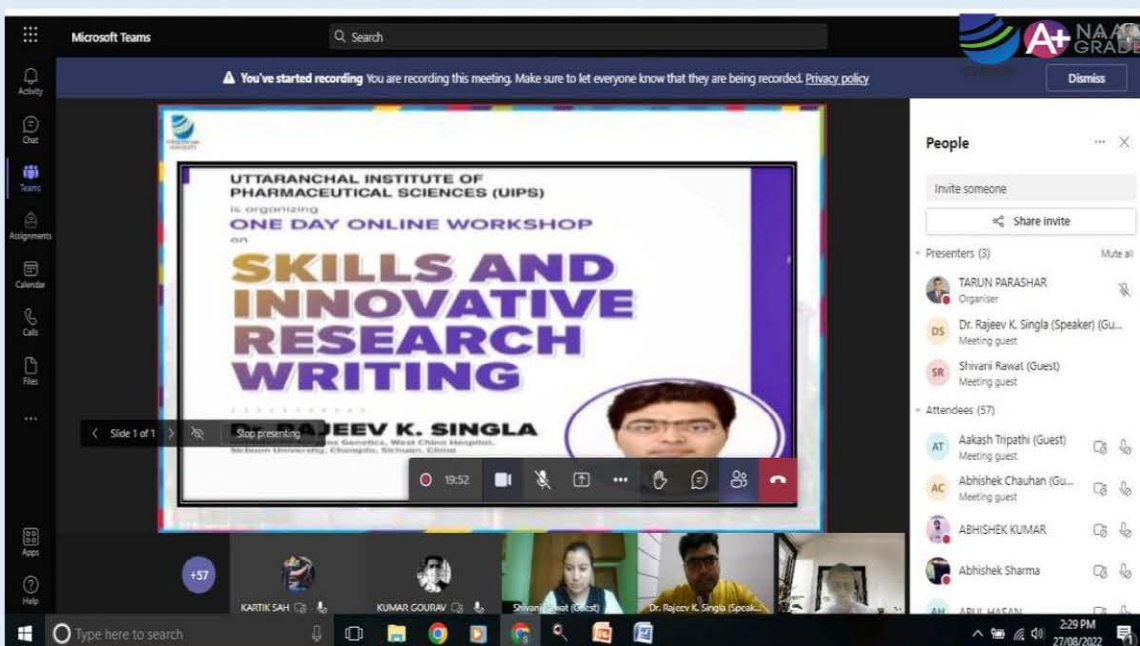
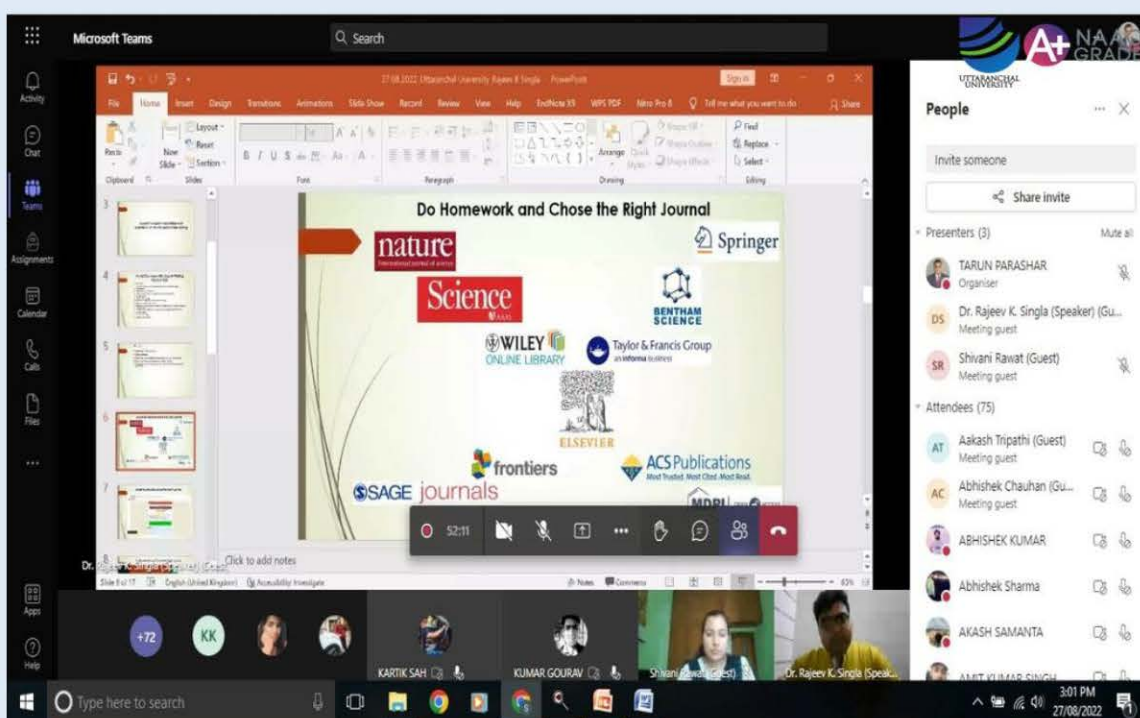
Participants have displayed a total of 30 posters.



SKILLS AND INNOVATION IN RESEARCH WRITING

The one-day online Webinar on “Skills and Innovation in Research Writing” was organized by Uttaranchal University on 27 August 2022 to enhance the opportunities endowed to young scholars that would improve their abilities to write research articles. The webinar was attended by more than 100 attendees, including students, scholars, and faculty members of different Institutes.

Dr Singla explained how to teach the habit of Research in academics and process-related publication in open-access research journals like SCI and ESCI. He also emphasized being honest while conducting any research and various methods of performing the research triplicate manner to avoid error. He encouraged students to make a proper laboratory notebook for writing up the observations and the critical findings while performing their work. He also emphasized writing keywords, abstracts, material and method, conclusion, and references properly. Dr Singla further explained the open-access journals and demonstrated how to check the authenticity of the journal, as well as to choose the journal wisely.



NAAD BY ABP GANGA

The Uttaranchal University of Dehradun hosted the "Naad" music performance, which was recently arranged by ABP Ganga, the news channel covering Uttar Pradesh and Uttarakhand. Over 8,000 music aficionados attended the celebration of Uttarakhand's music and culture, according to the broadcaster. Several well-known figures from Uttarakhand folk music and government came together for ABP Ganga's Naad for an evening of musical performances, talks, and discussions. The occasion offered a stage on which to exhibit the state's and the region's rich musical legacy. Top musicians from Uttarakhand's folk music tradition performed throughout the four-hour event, including Pandavas - The Band, Jubin Nautiyal, Narendra Singh Negi, Pritam Bhartwan, Sangeeta Dhoundiyal, Kalpana Chauhan, Priyanka Mehar, Digvijay Singh Pariyar, Inder Arya, and Jitendra Tomkyaal. A new generation of performers who expressed themselves on stage while preserving their roots and history joined the luminaries of Uttarakhand's folk music. The prominent guest at the occasion was Uttarakhand's Pushkar Singh Dhami. His attendance demonstrated the government's backing for the occasion and its understanding of the value of showcasing Uttarakhand's music and culture. A panel discussion with Uttarakhand bureaucrats involved in the performing arts was another highlight of the programme. These discussions demonstrated Uttarakhand's dedication to fostering its rich cultural legacy and offered insights into the role that music and culture have played in the state's growth.



NAAD BY ABP GANGA

COLLABORATIONS

Uttaranchal University's signing of Memorandums of Understanding (MoUs) at global, national, and local levels is important in advancing the goals of Sustainable Development Goal 3 (SDG 3), which focuses on promoting good health and well-being. These agreements enable the university to forge partnerships with international organizations, research institutions, and academic bodies, accessing knowledge, resources, and best practices to enhance its research and education in health and well-being.

The goals of SDG 3 are in line with Uttarakhand University's pledge to ink Memorandums of Understanding (MoUs) for health and well-being at the international, national, and local levels. Through these partnerships, the university is able to take use of a multitude of resources and knowledge to make a significant contribution to the enhancement of healthcare, well-being, and health equity in the area and beyond.

On a national scale, MoUs facilitate collaboration with government agencies, healthcare providers, and non-governmental organizations, enabling the university to contribute to national health policies, develop innovative healthcare solutions, and participate in health-related projects benefiting local communities. By aligning with national priorities, the university can actively support SDG 3's targets on maternal and child health, disease prevention, and healthcare system strengthening.

At the local level, MoUs foster partnerships with local governments, healthcare facilities, and community-based organizations, empowering the university to address unique health challenges in the region, promoting health awareness, delivering vital healthcare services, and addressing issues related to sanitation, malnutrition, and disease outbreaks.

Uttaranchal University collaborated with a high-income countries such as The United States of America, Russia, London, Saudi Arabia, China, United Arab Emirates, Canada, Belgium, New Zealand, Switzerland, Bahrain, Qatar, Australia, Slovenia, Spain, Portugal, Italy, Saudi Arabia as well as with low-income countries such as Ethiopia, Sri Lanka Slovakia, Tunisia, Ukraine, Argentina, Azerbaijan, Ecuador, Turkey, Brunei Darussalam, Belarus, Bulgaria, Ghana, Thailand, Nigeria, Uganda, Bangladesh, and Nepal. These collaborations could be having access to a variety of viewpoints and research opportunities, being able to tackle global issues through teamwork, having a better understanding of other cultures, having faculty and student exchange opportunities, having the potential to receive more funding and grants, and having the opportunity to support the partner nation's educational and economic growth in order to meet their goals for social responsibility and global engagement. These collaborations can

enhance both schools' research and teaching programs while promoting a feeling of social impact and global connectedness.

Global MOU's

Global MOUs with Uttaranchal University represent a dedication to promoting international cooperation, which is advantageous to the participating schools as well as the international academic community. By means of these partnerships, the university is positioning itself as a key participant in the global education scene and fostering knowledge, creativity, and cross-cultural exchange. Additionally, via cooperative research projects, cooperative academic programs, and knowledge-sharing efforts, it helps to internationalize Indian higher education and attract teachers and students from throughout the world. Diversity is fostered and the educational process is enhanced by the interchange of ideas and talent.

Sr. No.	Name of Collaborator	Execution w.e.f	Links
1	Ufa State Petroleum Technological University, Russia	18.03.2016	https://drive.google.com/file/d/1j2gb3bvU-3TVyA8P3BkkIuUO2lsr4Ol/view?usp=drive_link
2	University of City Island, Cyprus	21.02.2019	https://drive.google.com/file/d/1TvrUUxtvxYVc58PASiqs7zMK4sBOVAZO/view?usp=drive_link
3	Sul Ross State University, The United States of America	04.07.2019	https://drive.google.com/file/d/17Jq_rR2EkUmBhMDSr4tSz bR8CshiKXbl/view?usp=drive_link
4	International Academic and Management Association (AIMA)	01.12.2020	https://drive.google.com/file/d/1ZWmcEYs2AKaCTvCRqHHPfbiLXMHvTApC/view?usp=drive_link
5	Osaka Metropolitan University, Japan (Promoting Cooperation)	07.12.2022	https://drive.google.com/file/d/1s47u0f4Cqm0DgUi-

			RvETtex5No02ecbX/view?usp=drive_link
6	Osaka Metropolitan University, Japan (Students Exchange)	07.12.2022	https://drive.google.com/file/d/1KQwbnstH0TSR2Rf6xpba5Kzx6DpbL56/view?usp=drive_link
7	University of Calabria, Italy	03.05.2023	https://drive.google.com/file/d/120QjCIaJvSPTa21QKDASU8_tKnoXBEP9/view?usp=drive_link
8	Moscow State University of Civil Engineering (National Research University), Russia, Moscow	14.06.2023	https://drive.google.com/file/d/1aVN_VAUOgHeLt8bAJY3ONTT4bYuUR1yt/view?usp=drive_link
9	CompTIA, Inc., Illinois, USA	01.05.2022	https://drive.google.com/file/d/1eCLoPPeWAPwjbgPyPiraDUMKtrHn7XN-/view?usp=drive_link
10	BC EnglishScore Ltd., London	10.02.2023	https://drive.google.com/file/d/1vG_1OsAr1CF_qfbdwcKMgl44V5frYfb/view?usp=drive_link
11	Samara State Technical University, Russia	16.03.2023	https://drive.google.com/file/d/1EFzioSu6xAzjgljmdwGAlYH4asL-2oD/view?usp=drive_link
12	International Slavic University, Macedonia	27.03.2023	https://drive.google.com/file/d/1Tx1tfOy7B0cbkddtPIId5YB_a-F6hsEv3/view?usp=drive_link
13	Near East University, Nicosia		https://drive.google.com/file/d/11TaNNcoYDPmm7aPzBFC

			tkgHZjJo0zgX_/view?usp=drive_link
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NATIONAL MOU's

National MOUs, with Uttaranchal University, are essential to building national cooperation and solidarity. Through these partnerships, universities may pool their resources and strengths to form a cohesive network that will ensure that the advantages of research and education are shared equally across the nation. Universities may jointly handle national and regional issues, improve education quality, and strengthen the country's research capacities and expertise to solve national issues, foster research and innovation, and improve education quality overall by cooperating. They so play a crucial role in furthering the country's scholarly and research endeavors.

Sr. No.	Name of Collaborator	Execution w.e.f	Links
1	Elemi Herbs, Shamli	01.05.2019	https://drive.google.com/file/d/17li-xY_11ES2N-EcnYBOQBM-1CtIbksZ/view?usp=drive_link
2	Narbriton Healthcare Pharmaceuticals Pvt. Ltd., Okhla, New Delhi	10.04.2019	https://drive.google.com/file/d/1dvGZWtF3yAdSWK1YX13X97E6zZQjJhZr/view?usp=drive_link
3	Orbit Biosciences, Haridwar	26.12.2017	https://drive.google.com/file/d/1GCCIlh-8nwBY81D5YXLXQgHTt9572b9MMT/view?usp=drive_link
4	Rapture Biotech International Pvt. Ltd., Noida	24.03.2018	https://drive.google.com/file/d/1aavsBtc8rMdJ3ca41kwwC8YzBEJwBW H/view?usp=drive_link

5	Pharma Instinct Pvt. Ltd., Chandigarh	04.05.2018	https://drive.google.com/file/d/1bwTFbu41vd6zsbHo5h3IsMM6hhclTRcn/view?usp=drive_link
6	Nature's Essence Pvt. Limited, Haridwar	10.05.2022	https://drive.google.com/file/d/1-9VwzGFWTALJkowajHZJIrGuoJZaK8Pp/view?usp=drive_link
7	NPTI, Naya Nangala, Punjab	15.12.2017	https://drive.google.com/file/d/1TWSR7jXMRn83VPfVZgey3otg8H16Fxn/view?usp=drive_link
8	United Republic Services Pvt. Ltd., New Delhi	16.12.2019	https://drive.google.com/file/d/18hrumkc4oZcgP-qgHUGIId7ns_ETvZM/view?usp=drive_link
9	Innovative-Technology Transfer Office, New Delhi	07.08.2023	https://drive.google.com/file/d/10VB2QuTzkc7eVWVDWoO437puz5I1dC1/view?usp=drive_link
10	Veerwal GetWork Services Private Limited., Ghaziabad	02.03.2022	https://drive.google.com/file/d/1GDVLGfje0_sPlNsJXBturIBbz5NuVR1n/view?usp=drive_link
11	Teamlease Edtech Limited, Mumbai (Online Learning)	12.09.2022	https://drive.google.com/file/d/1Kg-M-czTkVdnOZUzfa0b2cf9KQapARDz/view?usp=drive_link
12	Gokaraju Rangaraju Institute of Engineering & Technology (GRIET), Hyderabad	21.07.2023	https://drive.google.com/file/d/1hh7pdQKOz5HnCSIW5nNmMBNT_Y4p

			Mw19/view?usp=drive_link
13	VM Technologies, Chandigarh	13.01.2018	https://drive.google.com/file/d/1gMEtCxieuwVD3XhKgGZHtKHMIDeMZ86u/view?usp=drive_link
14	Rapid Solutions, Patiala	23.12.2017	https://drive.google.com/file/d/1n1XhZedyYjJNu78HC5hGoWsr_GMAqRlC/view?usp=drive_link
15	PB India Pvt. Ltd., Noida	20.09.2017	https://drive.google.com/file/d/1zTVtex2G18akC9K45MFN3qEJ52hbp86r/view?usp=drive_link
16	Edunet Foundation, Gurgaon	12.07.2021	https://drive.google.com/file/d/1zx1uaCa121eSA8axqO9FYbrEM6iPnzz/view?usp=drive_link
17	Virtusa Consulting Services Private Limited, Chennai (Dot Net Mou)	06.08.2022	https://drive.google.com/file/d/1HOiOZluZ37p3ZjHuFZg8buMT1G-2fE-n/view?usp=drive_link
18	Artech Infosystem Private Limited., Noida	09.04.2022	https://drive.google.com/file/d/1xqfPYXmLpB9clmIORqP9zFF1Ce1ts8xZ/view?usp=drive_link
19	JOJO International Pvt. Limited, Mumbai	18.04.2023	https://drive.google.com/file/d/1k-5-CKSOP2QJCJZ9-GxeMFhWRnx6UQ4a/view?usp=drive_link

LOCAL MOU's

Strong linkages between higher education and local stakeholders are fostered by the local MOUs between Uttarakhand universities. These agreements represent a dedication to collaborations that benefit both parties as well as community participation and cooperation. Universities are essential to the social, cultural, and economic advancement of the communities in which they are located. We may collaborate closely with local government agencies, companies, non-profits, and educational institutions to establish MOUs that facilitate information transfer, resource sharing, and community development. These partnerships frequently include activities like internships, job placement programs, and community service projects, enabling students to obtain real-world experience and support the neighborhood. Faculty members can also collaborate on research projects that address local challenges, which can lead to innovative solutions and economic growth.

Sr. No.	Name of Collaborator	Execution w.e.f	Links
1	Himalaya Meditek Pvt. Ltd., Selaqui, Dehradun	08.04.2019	https://drive.google.com/file/d/1S7AqDcuN-PbA37eRGbIHP7_biYpg4of7/view?usp=drive_link
2	Himalayan Environmental Studies & Conservation Organization (HESCO), Dehradun	27.12.2021	https://drive.google.com/file/d/14G2X8askoronxSo3pZ0tqaPISLECholu/view?usp=drive_link
3	Uttarakhand Council for Science & Technology (UCOST), Dehradun (For setup Livelihood Business Incubator)	06.12.2022	https://drive.google.com/file/d/1eNNpkChhrcpB189Plj8B-WmqmWhZpC6U/view?usp=drive_link
4	Shivakhya Foundation, GMS Road, Dehradun	05.05.2023	https://drive.google.com/file/d/1g_5AZMucJpRg6GBdnmIIK9yI4SAZz0_B/view?usp=drive_link
5	Dolphin (PG) Institute of Biomedical & Natural Science, Manduwala,	09.08.2023	https://drive.google.com/file/d/1PpXP8_0hzX-

	Dehradun		sWSvEQ6DI5C8-qcGOGQus/view?usp=drive_link
6	CETPA Infotech Pvt. Ltd., Dehradun	25.05.2021	https://drive.google.com/file/d/1yP9K94IW4Mp4LStD_W5zoGOFL-TV5Wiz/view?usp=drive_link
7	Slog Solutions Private Limited, Dehradun	02.04.2022	https://drive.google.com/file/d/1URzBFLRBErj7W10kAzGMy_LJP7j3QLm7z/view?usp=drive_link
8	Uttarakhand Biodiversity Board (UBB), Dehradun	11.12.2019	https://drive.google.com/file/d/1LF3LLZU0kbMAT-vebuSaM2SAyqeC0dgG/view?usp=drive_link
9	SVP Life Sciences, Selaqui, Dehradun	08.04.2019	https://drive.google.com/file/d/1TIf5Srr5LxuRs4ciYMiuhugHwA9Q-CFnw/view?usp=drive_link
10	Himalayan Wellness Company, Dehradun	05.07.2022	https://drive.google.com/file/d/1eQtLXyvkZcubmLdR9qE_Kkd4tEDG6R4s/view?usp=drive_link
11	Ved Life Saver Pvt. Ltd., Selaqui, Dehradun	22.02.2019	https://drive.google.com/file/d/1yYfrR6_bDEhpf1GS9uVM_MFCty8anG5e/view?usp=drive_link
12	TaqGene Training & Research Institute, Dehradun	5.05.2018	https://drive.google.com/file/d/1Pb6dvG2O59jdIKG1wPrp-tr1Kvw8HOaU/view?usp=drive_link

			<u>drive_link</u>
13	Plantica Foundation, Dehradun	08.10.2021	https://drive.google.com/file/d/17fZA_t6a6qjfD1tEYxviezT4IyufAA3h/view?usp=drive_link
14	Industries Association of Uttarakhand (IAU), Dehradun	17.08.2022	https://drive.google.com/file/d/1JAgmxxicXLDmY1HYeMKfGHqMnY824n42/view?usp=drive_link
15	Sharon Bio Medicine Ltd. Central Hope Town, Industrial Area, Selaqui, Dehradun	10.05.2022	https://drive.google.com/file/d/1EN-i4xoWC2pgWY8gNMAGhW24AuWcEVS4/view?usp=drive_link
16	Giri Diagnostic Kits and Reagents Pvt. Limited, Selaqui, Dehradun	Sept., 2022	https://drive.google.com/file/d/11_TJ9bKQL1bbb25f6xKJf85or_5FNm1V/view?usp=drive_link
17	Daffohills Lab Pvt. Ltd., Selaqui, Dehradun	10.09.2018	https://drive.google.com/file/d/1nxXrOgf0i9NpiGvKDFRBrZM7aMZ3UpIo/view?usp=drive_link
18	Saintlife Pharmaceutical Ltd., Selaqui, Dehradun	20.03.2020	https://drive.google.com/file/d/16e6PvsUUJpIZGL431whqZR9d9icQyzy2Ko/view?usp=drive_link
19	India Glycols Limited Selaqui, Dehradun	23.12.2020	https://drive.google.com/file/d/1kxyJQ2GODEOJd3M9j9xt_6umQx3Bk1KR/view?usp=drive_link
20	TaqGene Training Research Institute (TGTRI), Dehradun	19.01.2019	https://drive.google.com/file/d/14xhyuMsMTVKtlid7Q0DtbOkm88Wkcsk9/view?usp=drive_link

			w?usp=drive_link
21	Indian Startups Organization, Dehradun	22.11.2021	https://drive.google.com/file/d/17I1IkX2ZxN0B5HUrNxiSC1Y5aaKWpBz2/view?usp=drive_link

IMPACT OF COLLABORATIONS

MOUs between global, national and local universities from different nations benefitted mutually by fostering academic and cultural exchange, advancing research, and contributing to global solutions and understanding.



Uttaranchal University offers a planned program that enables students to study for a predetermined amount of time at another college or university, frequently abroad. Students' comprehension of many cultures, languages, and viewpoints deepens, encouraging cultural sensitivity and awareness. Diverse pedagogical approaches and curricula can foster a student's intellectual development and provide avenues for pursuing novel academic pursuits. Independent living in a new setting promotes self-reliance, adaptation, and personal growth—all important life skills. The ability to communicate in a foreign language can be greatly

enhanced by immersion. It provides an exceptional experience and the opportunity to discover a new nation and its environs.



Uttaranchal University libraries are friendly places for international students to study in a supportive atmosphere. These libraries provide a multitude of resources, including a varied selection of books, periodicals, and digital materials, to foreign students. In addition, they offer crucial resources for research and learning, including computer facilities, quiet study spaces, and knowledgeable librarians who may help with research questions. Interaction with local and foreign peers in libraries fosters cross-cultural exchanges that might be advantageous for international students. Their language abilities can be improved, their intellectual horizons can be broadened, and their feeling of community within the academic community can be fostered by this connection.



International students frequently talk about how much they enjoy the chance to connect with students from other backgrounds, which deepens their awareness of various cultures and worldviews. They value the university's high caliber of instruction, research facilities, and resources, which frequently outweigh those found in their native nations. Many international students greatly enhance their language proficiency, particularly if they are learning a language other than their mother tongue, which can improve their chances of landing a job. While students adjust to a new environment and deal with day-to-day living, university life overseas cultivates independence, flexibility, and self-reliance.

COLLABORATIVE RESEARCH ARTICLES

Uttaranchal University's research endeavours in the realm of Sustainable Development Goal 3 (SDG3), aimed at ensuring good health and well-being for all, have yielded significant outcomes. The university has achieved an impressive milestone with 505 research publications indexed in Scopus. These publications, which span various areas of healthcare, medical sciences, and public health, serve to advance the understanding and practice of healthcare, ultimately contributing to the improvement of global health outcomes.

The research conducted by the university has not only made an impact on the academic community but also in real-world healthcare settings. These publications have garnered a remarkable total of 2,125 citations, underlining their importance and the extent to which they have influenced subsequent research and healthcare practices.

Moreover, it's noteworthy that in 2023 alone, these publications received 1,304 citations, indicating the continuing relevance and significance of the university's research in addressing contemporary health challenges.

Uttaranchal University's commitment to SDG3 through its research contributions is evident in the impressive quantity of Scopus indexed publications and the substantial citations they have garnered. These accomplishments highlight the university's dedication to advancing knowledge and practices that promote good health and well-being, both regionally and globally.

List of Research Articles

Title	Year	Source title
Inflammatory diseases: Function of LncRNAs in their emergence and the role of esenchymal stem cell secretome in their treatment	2023	Pathology Research and Practice
Exosome: A megastar of future cancer personalized and precision medicine	2023	Clinical and Translational Discovery
Interaction of Cynaroside from Orthosiphon Aristatus Plant Extract on TNF Alpha as a Stimulant in Malaria and Asthma	2023	Pharmacognosy Journal
Unlocking the potential of mesoporous silica nanoparticles in breast cancer treatment	2023	Journal of Nanoparticle Research
Crosstalk between long noncoding RNA and microRNA in Cancer	2023	Cellular Oncology
Adsorption Studies of Pb(II) and Cd(II) Heavy Metal Ions from Aqueous Solutions Using a Magnetic Biochar Composite Material	2023	Separations
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An International Outburst of New Form of Monkeypox Virus	2023	Journal of Pure and Applied Microbiology
Altered glucose metabolism in Alzheimer's disease: Role of mitochondrial dysfunction and oxidative stress	2023	Free Radical Biology and Medicine
Luteolin: a flavonoid with a multifaceted anticancer potential	2023	Cancer Cell International
Exploring state-of-the-art advances in targeted nanomedicines for managing acute and chronic inflammatory lung diseases	2022	Nanomedicine
Potential strategies for the management of adenocarcinoma: a perspective	2022	Future Medicinal Chemistry

The Intelligent Detection and Treatment of Schizophrenia Disease Using the Fuzzy Logical Controller	2022	2023 IEEE International Conference on Integrated Circuits and Communication Systems, ICICACS 2023
Biosimilars in Oncology: Latest Trends and Regulatory Status	2022	Pharmaceutics
Targeting inflammation: a potential approach for the treatment of depression	2022	Metabolic Brain Disease
Quality by Design Based Formulation of Xanthohumol Loaded Solid Lipid Nanoparticles with Improved Bioavailability and Anticancer Effect against PC-3 Cells	2022	Pharmaceutics
The decadal perspective of facial emotion processing and Recognition: A survey	2022	Displays
Therapeutic approaches of nutraceuticals in the prevention of Alzheimer's disease	2022	Journal of Food Biochemistry
Advances in Lung Cancer Treatment Using Nanomedicines	2022	ACS Omega
Recent Trends in Rationally Designed Molecules as Kinase Inhibitors	2022	Current Medicinal Chemistry
The Risk Analysis of Deforestation Activities based on the Artificial Intelligence based Light Weight Deep Learning Model	2022	2023 IEEE International Conference on Integrated Circuits and Communication Systems, ICICACS 2023
Systematic Review on new Face of Monkeypox Virus	2022	Journal of Pure and Applied Microbiology
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An Improved Analysis of E-Waste Risk Identification and Handling of Recycling Management using Machine Learning	2022	2023 IEEE International Conference on Integrated Circuits and Communication Systems, ICICACS 2023

Technical Approach Towards Elderly Right to Health and Well-Being	2022	2023 International Conference on Artificial Intelligence and Smart Communication, AISC 2023
A Smart Artificial Intelligence based Machine Learning System for Accurate Humidity Calculations in Living Spaces	2022	2023 IEEE International Conference on Integrated Circuits and Communication Systems, ICICACS 2023
Role of Medicinal plant-derived Nutraceuticals as a potential target for the treatment of breast cancer	2022	Journal of Food Biochemistry
A Fuzzy Logical based Artificial Intelligence Method for Designed to Effectively Predict and Manage the Solid Waste	2022	2023 IEEE International Conference on Integrated Circuits and Communication Systems, ICICACS 2023
Ascendancy of unfolded protein response over glioblastoma: estimating progression, prognosis and survival	2022	Biotechnology and Genetic Engineering Reviews
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Breast Cancer Detection Using Mammographic Images over Convolutional Neural Network	2022	Proceedings of the 13th International Conference on Cloud Computing, Data Science and Engineering, Confluence 2023
Exploring the Mechanical Perspective of a New Anti-Tumor Agent: Melatonin	2022	Journal of Environmental Pathology, Toxicology and Oncology
Anticancer Phytochemical-Based Nanoformulations: Therapeutic Intervention in Cancer Cell Lines	2022	Journal of Environmental Pathology, Toxicology and Oncology

Explainable Artificial Intelligence in Health Care: How XAI Improves User Trust in High-Risk Decisions	2022	Studies in Computational Intelligence
Neuroprotective Potential and Underlying Pharmacological Mechanism of Carvacrol for Alzheimer's and Parkinson's Diseases	2022	Current Neuropharmacology
Inflammation-targeted nanomedicine against brain cancer: From design strategies to future developments	2022	Seminars in Cancer Biology
A Multi-Thresholding-Based Discriminative Neural Classifier for Detection of Retinoblastoma Using CNN Models	2022	BioMed Research International
An Improved System built on Artificial Intelligence for Sorting and Handling Plastic Materials	2022	2023 IEEE International Conference on Integrated Circuits and Communication Systems, ICICACS 2023
Targeting the mitochondria in chronic respiratory diseases	2022	Mitochondrion
A mini review on heavy metal contamination in vegetable crops	2022	International Journal of Environmental Analytical Chemistry
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Barbaloin: an amazing chemical from the 'wonder plant' with multidimensional pharmacological attributes	2022	Naunyn-Schmiedeberg's Archives of Pharmacology
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Human-to-Human Transmission of Monkeypox Virus Old Virus with a New Face	2022	Journal of Pure and Applied Microbiology
In Silico Study of the Potential of Endemic Sumatra Wild Turmeric Rhizomes (<i>Curcuma Sumatrana</i> : Zingiberaceae) As Anti-Cancer	2022	Pharmacognosy Journal
Heterogeneous Network-Based Inductive Matrix Methods for Predicting Biomedical Gene Disease	2022	BioMed Research International
Assessment of the dual role of <i>Lyonia ovalifolia</i> (Wall.) Drude in inhibiting AGEs and enhancing GLUT4 translocation through LC-ESI-QTOF-MS/MS determination and in silico studies	2022	Frontiers in Pharmacology
Polysaccharide, fecal microbiota, and curcumin-based novel oral colon-targeted solid self-nanoemulsifying delivery system: formulation, characterization, and in-vitro anticancer evaluation	2022	Materials Today Chemistry
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Neuropharmacological interventions of quercetin and its derivatives in neurological and psychological disorders	2022	Neuroscience and Biobehavioral Reviews
1,4-Dihydropyridine: synthetic advances, medicinal and insecticidal properties	2022	RSC Advances

Phosphodiesterase-4 Inhibitor Roflumilast-Mediated Protective Effect in Sepsis-Induced Late-Phase Event of Acute Kidney Injury: A Narrative Review	2022	Pharmaceuticals
Structural optimization of a rotary joint by hybrid method of FEM, neural-fuzzy and water cycle–moth flame algorithm for robotics and automation manufacturing	2022	Robotics and Autonomous Systems
Contribution of Artificial intelligence to the Promotion of Mental Health	2022	Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022
Breast Cancer Detection in Mammogram Images using Machine Learning Methods and CLAHE Algorithm	2022	Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022
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Phytochemical characterization and evaluation of antioxidant, antimicrobial, antibiofilm and anticancer activities of ethyl acetate seed extract of <i>Hydnocarpus laurifolia</i> (Dennst) Sleumer	2022	3 Biotech
Orally administered solasodine, a steroidal glycoalkaloid, suppresses ovalbumin-induced exaggerated Th2-immune response in rat model of bronchial asthma	2022	Chemico-Biological Interactions
Internet of Things-based Integrated Remote Electronic Health Surveillance and Alert System: A Review	2022	Proceedings of 2022 IEEE International Conference on Current Development in Engineering and Technology, CCET 2022

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Dry powder inhalers of antitubercular drugs	2022	Tuberculosis
Molecular explanation of Wnt/ β catenin antagonist pyrvinium mediated calcium equilibrium changes in aging cardiovascular disorders	2022	Molecular Biology Reports
Extension in the approaches to treat cancer through siRNA system: a beacon of hope in cancer therapy	2022	Drug Delivery and Translational Research
Big Data Analysis Framework for Water Quality Indicators with Assimilation of IoT and ML	2022	Electronics (Switzerland)
Prediction of Aflatoxin-B1 (AFB1) Molecular Mechanism Network and Interaction to Oncoproteins Growth Factor in Hepatocellular Carcinoma	2022	Journal of Pure and Applied Microbiology
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Advances and applications of monoolein as a novel nanomaterial in mitigating chronic lung diseases	2022	Journal of Drug Delivery Science and Technology
Autophagy and EMT in cancer and metastasis: Who controls whom?	2022	Biochimica et Biophysica Acta - Molecular Basis of Disease
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Mechanistic role of HPV-associated early proteins in cervical cancer: Molecular pathways and targeted therapeutic strategies	2022	Critical Reviews in Oncology/Hematology
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An overview of recent advances in insulin delivery and wearable technology for effective management of diabetes	2022	Journal of Drug Delivery Science and Technology
Imperative Role of Machine Learning Algorithm for Detection of Parkinson's Disease: Review, Challenges and Recommendations	2022	Diagnostics
Biomedical applications of metallic nanoparticles in cancer: Current status and future perspectives	2022	Biomedicine and Pharmacotherapy
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Nanoparticulate drugs and vaccines: Breakthroughs and bottlenecks of repurposing in breast cancer	2022	Journal of Controlled Release
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Medicinal chemistry of pyrophosphate mimics: A mini review	2022	Drug Development Research

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Understanding IoT Security: A Point-by-point Investigation of IoT Weaknesses and a First Exact Glance at Web Scale IoT Exploits	2022	Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022
Estimating the correlation between TYG and CIMT in non-diabetic adult patients	2022	Obesity Medicine
Sodium alginate based drug delivery in management of breast cancer	2022	Carbohydrate Polymers
Current Trends of Computational Tools in Geriatric Medicine and Frailty Management	2022	Frontiers in Bioscience - Landmark
AI and IoT Enabled Technologies for Monitoring the Right to Health of Disabled People	2022	Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022
Treatment strategies for HIV infection with emphasis on role of CRISPR/Cas9 gene: Success so far and road ahead	2022	European Journal of Pharmacology
Utilization of Secondary Metabolites in Algae Kappaphycus alvarezii as a Breast Cancer Drug with a Computational Method	2022	Pharmacognosy Journal
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Biotechnological interventions and indole alkaloid production in <i>Rauvolfia serpentina</i>	2022	Applied Microbiology and Biotechnology
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Traditional uses, phytochemistry, pharmacology and toxicology of garlic (<i>Allium sativum</i>), a storehouse of diverse phytochemicals: A review of research from the last decade focusing on health and nutritional implications	2022	Frontiers in Nutrition
Emerging Promise of Computational Techniques in Anti-Cancer Research: At a Glance	2022	Bioengineering
Role of nucleic acid-based polymeric micelles in treating lung diseases	2022	Nanomedicine
Toward the cholinesterase inhibition potential of TADDOL derivatives: Seminal biological and computational studies	2022	Archiv der Pharmazie
Quantum dots: The cutting-edge nanotheranostics in brain cancer management	2022	Journal of Controlled Release
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Unravelling the Therapeutic Potential of Nano-Delivered Functional Foods in Chronic Respiratory Diseases	2022	Nutrients
Classification Rules based Breast Cancer Detection using Machine Learning Approach	2022	Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022

Advances in stromal cell therapy for management of Alzheimer's disease	2022	Frontiers in Pharmacology
Classification of HLHS Anomaly Images using ANN	2022	2022 International Conference on Futuristic Technologies, INCOFT 2022
Real-Time Structural Health Monitoring and Damage Identification Using Frequency Response Functions along with Finite Element Model Updating Technique	2022	Sensors
Clinical Potential of Himalayan Herb <i>Bergenia ligulata</i> : An Evidence-Based Study	2022	Molecules
Sepsis triggered oxidative stress-inflammatory axis: the pathobiology of reprogramming in the normal sleep–wake cycle	2022	Molecular and Cellular Biochemistry
Biochemical interaction of pyruvium in gentamicin-induced acute kidney injury by modulating calcium dyshomeostasis and mitochondrial dysfunction	2022	Chemico-Biological Interactions
Rediscovering the Therapeutic Potential of Agarwood in the Management of Chronic Inflammatory Diseases	2022	Molecules
Molecular exploration of hidden pleiotropic activities of azoles on dermatophytes in human tinea corporis infection	2022	Journal of Medical Mycology
Chemical Moieties as Advanced Therapeutics for Targeting Respiratory Disorders	2022	Advanced Drug Delivery Strategies for Targeting Chronic Inflammatory Lung Diseases
The Integration of Connectivity and System Integrity Approaches using Internet of Things (IoT) for Enhancing Network Security	2022	Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022

A Health-Care Architecture Based on Energy-Efficient Cloud Computing	2022	Proceedings of the 2022 7th International Conference on Computing, Communication and Security, ICCCS 2022 and 2022 4th International Conference on Big Data and Computational Intelligence, ICBDCI 2022
Expanding arsenal against diabetic wounds using nanomedicines and nanomaterials: Success so far and bottlenecks	2022	Journal of Drug Delivery Science and Technology
Nonenzymatic glycosylation of isolated human immunoglobulin-G by D-ribose	2022	Cell Biochemistry and Function
Indolyl-4H-chromenes: Multicomponent one-pot green synthesis, in vitro and in silico, anticancer and antioxidant studies	2022	Journal of Molecular Structure
Intraductal delivery of nanocarriers for ductal carcinoma in situ treatment: a strategy to enhance localized delivery	2022	Nanomedicine
Polyester nanomedicines targeting inflammatory signaling pathways for cancer therapy	2022	Biomedicine and Pharmacotherapy
Molecular aspects of Omicron, vaccine development, and recombinant strain XE: A review	2022	Journal of Medical Virology
In Silico Phytochemical Compounds Screening of Allium sativum Targeting the Mpro of SARS-CoV-2	2022	Pharmacognosy Journal
Benzimidazole-carbamate anthelmintics: Perspective candidates for the anticancer drug development	2022	Drug Development Research
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Targeting endoplasmic reticulum stress using natural products in neurological disorders	2022	Neuroscience and Biobehavioral Reviews
Multi-Strain Human Papillomavirus (HPV) Vaccine Innovation via Computational Study: A Mini Review	2022	Research Journal of Pharmacy and Technology
Applications of Machine Learning to Skin Cancer Detection	2022	Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022
Current Update On The Protective Effect Of Epicatechin In Neurodegenerative Diseases	2022	EXCLI Journal
Neuroinflammatory Markers: Key Indicators in the Pathology of Neurodegenerative Diseases	2022	Molecules
The Coronavirus Pandemic and the Transformation of Telehealth in the Context of Artificial Intelligence	2022	2022 International Conference on Smart Generation Computing, Communication and Networking, SMART GENCON 2022
An overview of epithelial growth factor receptor (EGFR) inhibitors in cancer therapy	2022	Chemico-Biological Interactions
Impact of ecDNA: A mechanism that directs tumorigenesis in cancer drug Resistance-A review	2022	Chemico-Biological Interactions
Surface plasmon biosensor based on Bi ₂ Te ₃ antimonene heterostructure for the detection of cancer cells	2022	Applied Optics
Antagonists and Antibiosis: Game Changer of Agriculture and Health Sector	2022	Microbes in Microbial Communities: Ecological and Applied Perspectives
An Optimization-Based Diabetes Prediction Model Using CNN and Bi-Directional LSTM in Real-Time Environment	2022	Applied Sciences (Switzerland)

Real time monitoring of solid waste with customized hardware and Internet of Things	2022	Computers and Electrical Engineering
Drug repurposing: An emerging strategy in alleviating skin cancer	2022	European Journal of Pharmacology
Study of lung function test in association with laboratory findings of serum iron in patients with chronic obstructive pulmonary disease	2022	Clinical Epidemiology and Global Health
Vaccine for Diabetes—Where Do We Stand?	2022	International Journal of Molecular Sciences
Targeting mucin hypersecretion in COVID-19 therapy	2022	Future Medicinal Chemistry
Attenuation of Cigarette-Smoke-Induced Oxidative Stress, Senescence, and Inflammation by Berberine-Loaded Liquid Crystalline Nanoparticles: In Vitro Study in 16HBE and RAW264.7 Cells	2022	Antioxidants
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The therapeutic role of nutraceuticals targeting the Nrf2/HO-1 signaling pathway in liver cancer	2022	Journal of Food Biochemistry
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Mucoadhesive particles: an emerging toolkit for advanced respiratory drug delivery	2022	Nanomedicine
Bacterial Antagonists: Effective Tools for the Management of Postharvest Diseases in Fruits, Vegetables, and Food Grains	2022	Microbial Biocontrol: Food Security and Post Harvest Management: Volume 2
Bioactive Compounds from Purslane (<i>Portulaca oleracea</i> L.) and Star Anise (<i>Illicium</i>	2022	Pharmacognosy Journal

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Advances in designing of polymeric micelles for biomedical application in brain related diseases	2022	Chemico-Biological Interactions
One-step functionalization of chitosan using EDTA: Kinetics and isotherms modeling for multiple heavy metals adsorption and their mechanism	2022	Journal of Water Process Engineering
Managing Apoptosis in Lung Diseases Using Nano-Assisted Drug Delivery System	2022	Current Pharmaceutical Design
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Versatility of acetalated dextran in nanocarriers targeting respiratory diseases	2022	Materials Letters
Cellular landscaping of cisplatin resistance in cervical cancer	2022	Biomedicine and Pharmacotherapy
Potential Roles of Purslane (<i>Portulaca oleracea</i> L.) as Antimetabolic Syndrome: A Review	2022	Pharmacognosy Journal
Deep Learning Techniques for using Intelligent Internet of Things Appliances to Protect Health Department Information	2022	Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022
Hybrid Deep Learning Algorithm for Pulmonary Nodule Detection using Body Sensors	2022	MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference
IoT based Intelligent Cattle Shed Management	2022	International Interdisciplinary Humanitarian Conference for Sustainability, IIHC 2022 - Proceedings

Artemisia spp.: An Update on Its Chemical Composition, Pharmacological and Toxicological Profiles	2022	Oxidative Medicine and Cellular Longevity
Harmonic Distortion reduction in Power System to improve Reliability and power quality	2022	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022
A Novel Machine Learning Approach Chronic Kidney Disease Prediction	2022	Proceedings of International Conference on Technological Advancements in Computational Sciences, ICTACS 2022
Waste utilization of amla pomace and germinated finger millets for value addition of biscuits	2022	Current Research in Nutrition and Food Science
Can dextran-based nanoparticles mitigate inflammatory lung diseases?	2022	Future Medicinal Chemistry
Nutraceuticals and mitochondrial oxidative stress: bridging the gap in the management of bronchial asthma	2022	Environmental Science and Pollution Research
Significance of Face Mask detection	2022	International Interdisciplinary Humanitarian Conference for Sustainability, IIHC 2022 - Proceedings
EEG-based Brain Wave Recognition using GRU and LSTM	2022	Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022
Machine Learning Based Hybrid Technique for Heart Disease Prediction	2022	2022 International Conference on Advances in Computing, Communication

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Sustainable management of agricultural waste: Present, past and future	2022	Waste Management: Strategies, Challenges and Future Directions
CLASSIFICATION AND MECHANISM OF BACTERIOCIN INDUCED CELL DEATH: A REVIEW	2022	Journal of Microbiology, Biotechnology and Food Sciences
A Comprehensive Review Study on: Optimized Data Mining, Machine Learning and Deep Learning Techniques for Breast Cancer Prediction in Big Data Context	2022	Biomedical and Pharmacology Journal
Correlating surface roughness with cutting temperature in face milling of Al-6061 using CRITIC approach	2022	Materials Today: Proceedings
Severity of Diabetic Retinopathy Detection for Early Prevention using Lightweight Deep Learning Model	2022	MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference
Advanced drug delivery systems for treatment of diabetes mellitus	2022	Drug Delivery Systems for Metabolic Disorders
Physicochemical Characterization of in Vitro LDL Glycation and Its Inhibition by Ellagic Acid (EA): An in Vivo Approach to Inhibit Diabetes in Experimental Animals	2022	BioMed Research International
Advanced drug delivery systems targeting NF- κ B in respiratory diseases	2022	Future Medicinal Chemistry
Human Activity Recognition with Anomaly Prediction for E-Health Systems using Lightweight AI	2022	IEEE International Conference on Knowledge Engineering and Communication Systems, ICKES 2022

Strategies for crop improvement in contaminated soils using metal-tolerant bioinoculants	2022	Microbial Strategies for Crop Improvement
An epigrammatic status of the '1: Azole '1-based antimalarial drugs	2022	RSC Medicinal Chemistry
An Novel Approach for Predicting and Analyzing Diabetes using Machine Learning Technique	2022	MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference
Plants derived therapeutic strategies targeting chronic respiratory diseases: Chemical and immunological perspective	2022	Chemico-Biological Interactions
Ethno-pharmacological insulin signaling induction of aqueous extract of Syzygium paniculatum fruits in a high-fat diet induced hepatic insulin resistance	2022	Journal of Ethnopharmacology
Vesicular drug delivery systems as theranostics in COVID-19	2022	Future Medicinal Chemistry
Nanotechnology-based drug delivery for the treatment of CNS disorders	2022	Translational Neuroscience
Sustainability of Ageratum conyzoides (billy goat weed) for bioethanol and recycling of residues for gaseous fuel production	2022	Engineering Reports
Sentiment Analysis of Covid19 Vaccines Tweets Using NLP and Machine Learning Classifiers	2022	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing, COM-IT-CON 2022
Adhesive Model for Collection and Auto Storage of Colossal Health Data for Epidemiological Studies	2022	Proceedings of the 2018 3rd IEEE International Conference on Research in Intelligent and Computing in Engineering, RICE 2018

PSO-Based Evolutionary Approach to Optimize Head and Neck Biomedical Image to Detect Mesothelioma Cancer	2022	BioMed Research International
Complete plant regeneration of <i>Valeriana wallichii</i> DC. On auxin enriched medium and phytochemical analysis	2022	Plant Science Today
Nanoemulsion and Encapsulation Strategy of Hydrophobic Oregano Essential Oil Increased Human Prostate Cancer Cell Death via Apoptosis by Attenuating Lipid Metabolism	2022	Bioinorganic Chemistry and Applications
An extensive review to facilitate understanding of CRISPR technology as a gene editing possibility for enhanced therapeutic applications	2022	Gene
Study of fuzzy expert systems towards prediction and detection of fraud case in health care insurance	2022	Materials Today: Proceedings
Advanced drug delivery systems can assist in targeting coronavirus disease (COVID-19): A hypothesis	2022	Medical Hypotheses
Atmospheric Monitoring and Fire Prevention Electronic System for Mining Workers	2022	9th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2022
Water audit of Chitkara University, Himachal Pradesh – A zero discharge campus	2022	Materials Today: Proceedings
A Deep-Learning Method to Predicting Traffic Accidents Due to Drowse	2022	International Conference on Cyber Resilience, ICCR 2022
Biomedical Applications of polymeric micelles in the treatment of diabetes mellitus: Current success and future approaches	2022	Expert Opinion on Drug Delivery

PI3K/Akt/mTOR Pathways Inhibitors with Potential Prospects in Non-Small-Cell Lung Cancer	2022	Journal of environmental pathology, toxicology and oncology : official organ of the International Society for Environmental Toxicology and Cancer
Imunopathological effect of quinalphos on macrophage functions of chickens	2022	Indian Journal of Animal Sciences
Bryo-pharmaceuticals: An emerging era of pharmaceutical products	2022	Advanced Pharmacological Uses of Medicinal Plants and Natural Products
Investigation of geo-spatial hotspots for the occurrence of tuberculosis in Almora district, India, using GIS and spatial scan statistic	2022	International Journal of Health Geographics
Inhibition of alpha amylase and alpha glycosidase enzymes by various earth worm extracts	2022	Biomedical and Pharmacology Journal
Deep Learning based Driver Drowsiness Detection	2022	International Interdisciplinary Humanitarian Conference for Sustainability, IIHC 2022 - Proceedings
Artificial intelligence based early detection of cardiac diseases using smart wearables	2022	MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference
Analysis of the Performance of Data Mining Classification Algorithm for Diabetes Prediction	2022	Communications in Computer and Information Science
Skin Disease Detection using Deep Learning	2022	Proceedings of the 2022 11th International Conference on System Modeling and Advancement in Research Trends, SMART 2022

Mucoadhesive nanoformulations and their potential for combating COVID-19	2021	Nanomedicine
Application of multi layer neural network in medical diagnosis: An efficient survey	2021	International Journal of Engineering and Technology(UAE)
Using Machine Learning Techniques for Cancer Classification	2021	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022
Pathophysiology of high fat diet induced obesity: impact of probiotic banana juice on obesity associated complications and hepatosteatosis	2021	Scientific Reports
Elucidative analysis and sequencing of two respiratory health monitoring methods to study the impact of varying atmospheric composition on human health	2021	Atmospheric Environment
Deciphering the key factors for heavy metal resistance in gram-negative bacteria	2021	Microbial Versatility in Varied Environments: Microbes in Sensitive Environments
A brief review on segregation of solid wastes in Indian region	2021	Materials Today: Proceedings
An Investigation in Analyzing the Food Quality Well-Being for Lung Cancer Using Blockchain through CNN	2021	Journal of Food Quality
Surrogacy: Reproductive rights of surrogate mother and duties of intending parents	2021	Eurasian Journal of Analytical Chemistry
Antiproliferative properties of bryophytes	2021	Biopharmacological Activities of Medicinal Plants and Bioactive Compounds

Medicinal chemistry of anthranilic acid derivatives: A mini review	2021	Drug Development Research
Crotalaria verrucosa Leaf Extract Mediated Synthesis of Zinc Oxide Nanoparticles: Assessment of Antimicrobial and Anticancer Activity	2021	Molecules
Structural Features of Coronavirus and the COVID-19 Pandemic's Impact in India	2021	Journal of Environmental Pathology, Toxicology and Oncology
Women prisoners and human rights: The juxtaposition of rights and reality	2021	International Journal on Emerging Technologies
Predictive Analysis on Multimodal Medicare Application	2021	International Conference on Cyber Resilience, ICCR 2022
Patient Healthcare Analysis and Emergency Alerting using Adaptive Neuro Fuzzy Technique	2021	MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference
Effect of Palliative Drug Therapy on Quality of life in Advanced Head and Neck Cancer Patients	2021	Indian Journal of Otolaryngology and Head and Neck Surgery
Comparative efficacy of cell culture inactivated vaccines against hydropericardium syndrome in broilers	2021	Indian Journal of Animal Sciences
Recent Progress in Development of Dressings Used for Diabetic Wounds with Special Emphasis on Scaffolds	2021	BioMed Research International
AI Techniques for COVID-19 Pandemic	2021	International Interdisciplinary Humanitarian Conference for Sustainability, IIHC 2022 - Proceedings
Grape berry surface bacterial microbiome: impact from the varieties and clones in the same vineyard from central China	2020	Journal of Applied Microbiology

Barbiturate derivatives for managing multifaceted oncogenic pathways: A mini review	2020	Drug Development Research
Detrimental effects of heavy metals in soil, plants, and aquatic ecosystems and in humans	2020	Journal of Environmental Pathology, Toxicology and Oncology
Us policies in the post-cold war era: An Indian perspective	2020	Strategic Analysis
Emotional Detection Based on Bio Information and Data Analytics	2020	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022
LDR Sensor Based Smart Intravenous Drip System	2020	International Interdisciplinary Humanitarian Conference for Sustainability, IIHC 2022 - Proceedings
Lightweight Machine Learning Algorithm for Automatic Detection of Diabetic Retinopathy in IoT	2020	MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference
Develop a Model for Assessing the Most Efficient Diseases Diagnosis using Machine Learning	2020	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022
B-Map: a fuzzy-based model to detect foreign objects in a brain	2020	Medical and Biological Engineering and Computing
A Review of Bio-Cell Culture Processes in Real-Time Monitoring Approach with Cloud Computing Techniques	2020	2022 2nd International Conference on Advance Computing and Innovative

		Technologies in Engineering, ICACITE 2022
Probing 3CL protease: Rationally designed chemical moieties for COVID-19	2019	Drug Development Research
Phytochemical investigation of different solvent extracts of Berberis lycium fruits	2019	Rasayan Journal of Chemistry
Machine Learning in Healthcare Industry: An Analysis	2019	International Conference on Cyber Resilience, ICCR 2022

