



Recognised by UGC u/s 2(f)

# Dolphin (PG) Institute

of Bio Medical & Natural Sciences, Dehradun



PROSPECTUS



- Agriculture
- Agronomy
- Biochemistry
- Biotechnology
- Botany
- Chemistry
- Commerce
- Education
- Forestry
- Horticulture
- Medical Lab Technology
- Medical Microbiology
- Microbiology
- Pharmaceutical Chemistry
- Physiotherapy
- Physics
- Zoology



# Contents

Vision, Mission & Objectives	
Message from the President	3
Message from the Secretary	3
Message from the Director	4
Message from the Principal	4
Message from the Chairman	5
Academic Affiliation	5
Academic Organisation	6-7
Advantage Dolphin	8
Programmes Offered	9
Glimpses of Educational Tours	9
Agriculture	10
Agronomy	10
Biotechnology	11
Forestry	12
Physiotherapy	13
Medical Lab Technology	14
Medical Microbiology	15
Microbiology	15
Horticulture	16
Education	16
Commerce	17
Botany	18
Zoology	18
Chemistry	19
Pharmaceutical Chemistry	19
Biochemistry	20
Physics	20
Placement & Training Cell	21
Distinguished Alumni	21
NSS	21
Conferences	22-23
Glimpses of Guest Lectures	23
Glimpses of Annual Week	24
DSWC Activities	25
Glimpses of Annual Day	26
NCC	26
Assets	27-28
Academic Honour	29
Instrumentation Facilities	29
Admission	30
Location	
Annexure: 1. Fee structure	
2. Application form for admission	
3. List of testimonials	

## Vision, Mission and Objectives of the Institute

### Vision

Creation of an educated, ethical and prosperous society by imparting higher education to youth, enabling them towards integral human and career development in industrial and human health sector.

### Mission

Academic excellence, healthy standards in extracurricular practices, socially relevant activities, and courses leading to employment and entrepreneurship and continuous progress of the institution.

In this way, we are "ready for good work" in collaboration with the government and people of goodwill including academicians and educationists, to create a society more worthy of human beings.

### Objectives

- To develop the intellectual capacity of students to search for truth and knowledge.
- To offer possibilities by which the students discern their purpose in life.
- To help them to achieve their goals by imparting education which is not only theoretical but also practical oriented, to help them to work efficiently outside the class rooms and the laboratories.
- To form social consciousness in them so that they may be capable of fostering good relationship with others, a sense of participation and responsibility for poor and weak.



## No Ragging



**R**agging in any form is strictly prohibited within the premises of the institute, all resident hostels and/or in the resident quarters of the students; in institute's or public transport. Any student caught in the act of ragging will be immediately rusticated from the institute and matter will be reported to the police for legal action as per law of the land.





*Message from*  
**THE PRESIDENT**  
Dolphin Educational Society

**A**s an undisputed leader in the Biomedical & Natural Sciences education, Dolphin (P.G.) Institute of Biomedical and Natural Sciences, Dehra Dun has played a distinguished role in enhancing academic structure of Uttarakhand state since its inception in the year 2002. The courses offered at Dolphin Institute promise exciting and rewarding opportunities that ensure positive job avenues in various fields.

At Dolphin Institute, we emphasize primarily on quality teaching and learning. We also lay stress on highly productive laboratory work in the new areas of bio-medical technologies. We have a vision to deliver the relevant curricular / programs in consultation with industry and employers, nationally and globally, maintaining a commitment for conducting our courses in the personalized learning environment with a student-centric approach.

I am confident that the Institute will fulfill aspirations of its students and succeed in winning confidence of students and the parents alike, which is very vital for the growth and development of any educational institution...

I extend my best wishes to the upcoming professionals and committed members of Dolphin Institute family...



**CA Ramesh Garg**

**A**s we move ahead in the 21st century with new hopes and expectations, it is imperative that we appreciate the world around us, changing briskly and opening great challenges as well as innumerable opportunities. Driven by the growing trends of globalization, the revolutionary developments in the field of medical science and emergence of biomedical era, we are witnessing phenomenal transformations in the field of biomedical education. In emerging scenario, biomedical professionals will be operating in a new terrain of genetics and biotechnology.

We, at Dolphin Institute, offer under and post-graduate courses in the field of biomedical education, complemented by research opportunities to prepare our students to meet the new challenges in professional life. The courses are based on contemporary theory and practical laboratory work to provide strong conceptual foundation for those aspiring for top positions. However, the pursuit of the program demands intellectual maturity, strength of purpose and willingness to work hard. For the students endowed with inquisitive mind and driven by professional goals, these programs will be a voyage of discovery.

We invite all those who share our vision, goal and purpose to join hands in our efforts to build a new team of biomedical professionals, who will enhance the growth in the country to match the global standards. Come, let us together build a new era of advance and emerging technologies in biomedical science and transform our world.



**Dr. Vinod Mittal**



*Message from*  
**THE SECRETARY**  
Dolphin (PG) Institute  
of Biomedical & Natural Sciences






*Message from*  
**THE DIRECTOR**  
Dolphin (PG) Institute  
of Biomedical & Natural Sciences

**T**oday, Life Sciences represent a potential sector of economic growth and an important component in India's national health agenda. Appreciating the important role that biology will play in this century, the Indian government is expanding as well as starting several new biological research institutes, which will open up many new positions for life science researchers. Biology also has come to the Indian Institutes of Technology. The Indian government also has launched five Indian Institutes for Science Education and Research (called IISERs), which are new campuses devoted to undergraduate/ master's science education and research. Thus, India is becoming an increasingly viable location to conduct biological research and a fertile ground for new biotechnology companies.

Big pharmaceutical companies already have a presence in India. Home-spun Indian drug discovery, genetic/bioinformatics, and bio-engineering companies have emerged in the last few years and entrepreneurship in biotechnology is likely to grow.

However, a substantial increase in output cannot be realized by just giving more support to its existing life science faculty. Rather, the future of Indian biology must be built by a new generation: young faculty who will be recruited back to India from their studies abroad and, further down the road, by college and university students who will become inspired to become scientists.

We at the Dolphin Institute are making our contribution in developing our students future by introducing them to innovative learning and helping them to develop the necessary skills to meet these opportunities and be part of the nation building. 

**Dr. Arun Kumar**

**T**hanks for your interest in Dolphin (PG) Institute of Biomedical and Natural Sciences, Dehradun (DIBNS), as next step in your quest for knowledge. Since inception in 2002, we nurtured a dream to become a leading Institute in the field of Biomedical and Natural Sciences with a global vision. We can say with pride that within a short span of time Institute earned a good reputation both through academic excellence and best placements in industries, research institutes, hospitals, academics and various private and government organizations.


We, at Dolphin believe that apart from academic excellence, an Institute should also aim at making students socially conscious and skilled human beings with an understanding of human values so that they grow as individuals with compassion for others. It is with this mission and objective we pay special emphasis in overall personality development through co-curricular activities along with NCC, NSS, Scouts & Guide and Youth Red Cross Society.

To enrich the process of learning various academic programme like workshops, conferences, hands-on-training programmes, continuing education, invited lectures, industrial tours and field visits are organised round the calendar.

The management of the Institute is committed for creating educated, ethical and prosperous society by imparting quality education to youth and provides best faculty, infrastructure which includes ICT enabled class rooms, auditorium, seminar hall, eco-friendly wi-fi enabled campus, well stocked library, e-library, computing and other recreational facilities. Institute is also recognized as a local chapter for NPTEL activities by IIT Madras.

I am happy to share that because of consistent effort and dedication of the Dolphinites, the Institute has climbed to the glory and we are committed to upholding this trend of success in the years to come.

On behalf of Dolphin fraternity I warmly welcome you to pursue your higher education in Dolphin (PG) Institute of Biomedical and Natural Sciences.

I am sure you will cherish the moments spent in the institute as you achieve great heights in your dream career. 

**Dr. Shailja Pant**



*Message from*  
**THE PRINCIPAL**  
Dolphin (PG) Institute  
of Biomedical & Natural Sciences





*Message from*  
**THE CHAIRMAN**  
Dolphin (PG) Institute  
of Biomedical & Natural Sciences

**M**y Dear Students, It gives me great pleasure to welcome you to the fraternity of the Dolphin Institute, Dehra Dun and I extend you my good wishes for a happy stay and effective learning in Dolphin Institute.

We are imparting quality education to over 2500 graduate and postgraduate students from various states of India, as well as neighbouring countries, thereby acting as one of the largest center of professional learning in the field of biomedical sciences, physiotherapy and natural sciences.

With an exclusive and niche set of programmes to offer, the institute is a desired address for students who aim to make a fruitful career in the field of natural sciences and paramedical. Courses offered by us are widely in demand and enjoy a great reputation among industries, hospitals, research institutes etc. We strive to facilitate our students to gain a competitive edge over others in pursuing scientific, technical and professional careers and make outstanding contributions in nation building.

I personally monitor the progress of your curriculum to ensure that you get not only the best of education but also gain knowledge and confidence. It will be our endeavor to provide you ample opportunities for campus placement during your study period itself. However, I would like to add a word of advice to you that at this formative stage of your professional career adopt self discipline and austere mode of life so that you can concentrate fully on your studies and career development.

I hope that with these words you have a feel of our approach towards the development of your career. I look forward to meet many of you in the coming days as you take a decision to invest time and energy in yourself to put your fortune on a global success path.

**CA Arvind Gupta**

# Academic Affiliations



The Institute is affiliated to H.N.B. Garhwal Central University, Srinagar, Uttarakhand (National Assessment and Accreditation Council Accredited A Grade University). It is also approved and recognized by the State Govt. of Uttarakhand and Department of Medical and Health Services, Uttarakhand.

It is also recognised by UGC Under Section 2(f) of UGC Act of 1956.

The Institute is approved by The Indian Association of Physiotherapists (IAP) and National Council for Teachers Education (NCTE), Jaipur.

Dolphin (PG) Institute offers a large number of job/career oriented UGC approved programs in the field of Agriculture, Agronomy, Biochemistry, Biotechnology, Botany, Chemistry, Commerce, Education, Forestry, Horticulture, Medical Lab Technology, Medical Microbiology, Microbiology, Pharmaceutical Chemistry, Physiotherapy, Physics and Zoology.





## Academic ORGANISATION

*Principal:*  
**Dr. Shailja Pant, M.Sc. Microbiology, Ph.D.**

*Director:*  
**Dr. Arun Kumar, M.Sc. Zoology, Ph.D.**

### DEPARTMENT OF BIOTECHNOLOGY

**Dr. Archana Vaishnava, M.Sc. (Ag.) Genetics & Plant Breeding, Ph.D., NET**  
**Dr. Shalini Singh, M.Sc. (Ag.) Genetics & Plant Breeding, Ph.D., NET**  
**Ms. Deepti Gulati, M.Sc. Biotechnology, NET**  
**Dr. Riti Singh, M.Sc. Biotechnology, Ph.D., NET**  
**Dr. Manisha Nanda, M.Sc. Biotechnology, Ph.D., NET**  
**Mrs. Riti Mishra, MBA**

### DEPARTMENT OF MICROBIOLOGY

**Dr. Shailja Pant, M.Sc. Microbiology, Ph.D.**  
**Dr. Tripti Malik, M.Sc. Microbiology, Ph.D., NET**  
**Dr. A.K. Singh, M.Sc. Microbiology, Ph.D.**  
**Dr. Gauri Singh, M.Sc. Microbiology, Ph.D., NET**  
**Dr. Pankaj Kumar, M.Sc. Microbiology, Ph.D., NET**  
**Dr. Usha Verma, M.Sc. Microbiology, Ph.D., NET**

### DEPARTMENT OF PHYSIOTHERAPY

**Dr. Sandeep Ahuja, M.B.B.S., M.S.**  
**Dr. Reena Ahuja, M.B.B.S., M.S.**

**Dr. Vijay Gambhir, MPT**  
**Dr. Depte Warikoo, MPT, PGDHA**  
**Dr. Sunil Bhatt, MPT**  
**Dr. Vivek Chauhan, MPT**  
**Dr. Priyanka Gambhir, MPT**  
**Dr. Kapil Garg, MPT**  
**Col. (Dr.) Rajiv Garg, M.B.B.S.**  
**Dr. R.K. Srivastava, M.B.B.S.**  
**Dr. Kapil Arora, M.B.B.S., M.S.**  
**Dr. Keerty Mathur, MPT**  
**Dr. Richa Agarwal, MPT, PGDHA**  
**Dr. Deepty Mathur, MPT**

### DEPARTMENT OF FORESTRY

**Dr. Sas Biswas, M.Sc. Botany, Ph.D.**  
**Dr. Sandhya Goswami, M.Sc. Agro Forestry, Ph.D., NET**  
**Dr. Tahir Nazir, M.Sc. Forestry, Ph.D., NET**  
**Dr. A. K. Uniyal, M.Sc. Botany, Ph.D.**  
**Dr. Mandeep Kaur, M.Sc. Botany, M.Phil., Ph.D. & GATE**  
**Dr. Rashmi T. Chamoli, M.Sc. Forestry, Ph.D.**



Dr. Vikaspal Singh, *M.Sc. Forestry, Ph.D.*  
Mr. Manish Kumar, *M.Sc. Forestry*

#### DEPARTMENT OF ZOOLOGY

Dr. Arun Kumar, *M.Sc. Zoology, Ph.D.*  
Dr. Beena Joshi Bhatt, *M.Sc. Zoology, Ph.D.*  
Dr. D.K. Bhardwaj, *M.Sc. Zoology, Ph.D.*  
Dr. Shalini Anand, *M.Sc. Zoology, M.Phil., Ph.D.*  
Dr. Deepali Rana, *M.Sc. Zoology, Ph.D.*

#### DEPARTMENT OF BOTANY

Dr. K.P. Tripathi, *M.Sc. Botany, Ph.D.*  
Dr. Vidit Tyagi, *M.Sc. Botany, Ph.D.*  
Dr. A.K. Pundir, *M.Sc. Botany, Ph.D.*  
Ms. Prema Bahuguna, *M.Sc. Environmental Science, NET*  
Mrs. Asha Raturi, *M.Sc. Life Science, B.Ed.*

#### DEPARTMENT OF BIOCHEMISTRY

Dr. Gyanendra Awasthi, *M.Sc. Biochemistry, Ph.D., NET*  
Dr. Ashwani Kumar Sanghi, *M.Sc. Biochemistry, Ph.D.*  
Mr. Shiv Sharan Singh, *M.Sc. Biochemistry, B.Ed., GATE*  
Dr. Lokendra Kumar, *M.Sc., Ph.D. Biochemistry*  
Mrs. Richa Awasthi, *M.Sc. Biochemistry, B.Ed.*

#### DEPARTMENT OF AGRICULTURE

Dr. C.S. Pandey, *M.Sc. (Ag.) Agronomy, Ph.D., NET*  
Dr. Pradeep Mishra, *M.Sc. (Ag.) Agronomy, Ph.D.*  
Dr. Shalini Agrawal, *M.Sc. (Ag.) Animal Science, Ph.D., NET*  
Mr. Upendra Dwivedi, *M.Sc. (Ag.) Animal Husbandry*  
Mr. Anuj Gupta, *M.Sc. (Ag.) Genetics & Plant Breeding, NET*  
Dr. Vineeta Pandey, *M.Sc. (Ag.) Seed Technology, Ph.D.*  
Dr. Pallavi, *M.Sc. (Ag.) Vegetable Science, Ph.D.*  
Dr. Manoj Kumar Bansala, *M.Sc. (Ag.) Animal Husbandry, Ph.D.*  
Dr. Shiva Johari, *M.Sc. (Ag.) Horticulture, Ph.D., NET*  
Ms. Divya Rawat, *M.Sc. (Ag.) Entomology, NET*  
Mr. Jitendra Kumar Meena, *M.Sc. Vegetable Crops, NET*  
Mr. Shailendra Tiwari, *M.Sc. (Ag.) Seed Technology*  
Mr. Pankaj Budhakoti, *M.Sc. (Ag.) Agronomy*  
Mr. Rohit Maithani, *M.Tech. Biotechnology, Diploma in Information Technology*  
Mr. Emugan Hrangkhawl, *M.Sc. Agronomy*  
Mr. Arnab Khanda, *M.Sc. (Ag.) Soil Science*

#### DEPARTMENT OF HORTICULTURE

Dr. Ritu Pandey, *M.Sc. (Ag.) Vegetable Science, Ph.D., NET*  
Mr. Sanjay Singh Negi, *M.Sc. Horticulture (Fruit Science)*  
Mr. Sachin Devlal, *M.Sc. Horticulture (Fruit Science)*

Dr. Kanika Issar, *M.Sc. Agriculture, Ph.D.*  
Dr. Morajdhvaj Singh, *M.Sc. (Ag.) Plant Breeding, Ph.D.*

#### DEPARTMENT OF MEDICAL LAB TECHNOLOGY

Mr. D.P. Bahuguna, *M.B.B.S., DCP*  
Dr. A.K. Malik, *M.Sc. Physiology, Ph.D., M.D. (Medicine)*  
Mr. Aditya Swaroop, *M.Sc. MLT*  
Mr. Ankit Johari, *M.Sc. Biochemistry, GATE CSIR-UGC NET*  
Mrs. Rashmi Chauhan, *M.Sc. Biochemistry, D.M.L.T., PGDCP-DT*  
Mr. Rajesh Kumar Jha, *M.Sc. Biochemistry*

#### DEPARTMENT OF CHEMISTRY & PHARMACEUTICAL CHEMISTRY

Dr. Versha Parcha, *M.Sc. Organic Chemistry, M.Phil., Ph.D.*  
Dr. Deepak Kumar, *M.Sc. Pharmaceutical Chemistry, Ph.D.*  
Dr. Ritu Singh, *M.Sc. Pharmaceutical Chemistry, Ph.D.*  
Dr. Raju, *M.Sc. Chemistry, Ph.D.*  
Mr. Uday Kumar, *M.Sc. Pharmaceutical Chemistry, M.Sc. Chemistry, NET*  
Dr. Amita B. Sati, *M.Sc. Organic Chemistry, Ph.D.*  
Mrs. Gunjan Tyagi, *M.Sc. Chemistry, B.Ed.*

#### DEPARTMENT OF COMPUTERS & BIOSTATISTICS

Dr. Sanjay Kumar Agarwal, *M.Sc. Mathematics, Ph.D.*  
Mr. Vipul Garg, *M.C.A., I.L.B.*  
Mr. S.K. Sheel, *M.Sc. Mathematics, M.Sc. Statistics*  
Mr. Vijay Ratna Panwar, *M.Sc. Mathematics, B.Ed.*

#### DEPARTMENT OF PHYSICS

Dr. Aasheesh Raturi, *M.Sc. Physics, Ph.D.*  
Dr. Abhilasha, *M.Sc. Physics, Ph.D.*  
Er. Priyanka Nautiyal, *M.Tech, NET*

#### DEPARTMENT OF EDUCATION

Dr. G.N. Sinha, *M.A. (Eng), M.Ed., NET, Ph.D.*  
Dr. Shruti Sharma, *M.Com, M.Ed., M.Phil., Ph.D.*  
Dr. Aditi Chauhan, *M.A. History, M.Ed., Ph.D.*  
Dr. Himani Dangwal, *M.Sc. Chemistry, M.Ed., Ph.D.*  
Mr. Swaran Singh Chauhan, *M.A. Maths, M.Ed., M.Phil.*  
Mrs. Leena Verma, *M.Sc. Botany, M.Ed., M.Phil.*  
Mr. N. K. Joshi, *Sports Officer*

#### DEPARTMENT OF COMMERCE

Dr. Shruti, *M.Com, M.Phil., Ph.D.*  
Mrs. Rama Garg, *M.Com., CA (Inter)*  
Mr. Aman Pandit, *M.Com, LLB, MBA*  
Mr. C.S. Pandey, *M.Com, C.S.*  
Mrs. Ruchika Bhatnagar, *MBA*





## Advantage DOLPHIN

Only Private college of Uttarakhand listed U/s 2(f) of UGC.

### Excellent environment for teaching & learning

- 7 acres of pure lush green campus. The peaceful atmosphere and the salubrious climate provide a perfect setting for young minds to absorb knowledge.
- CCTV equipped Wi-Fi campus.
- Around 30 acres of agricultural land available for Agriculture & Horticulture Courses.
- A team of highly qualified, dedicated and experienced faculty appointed as per UGC norms.
- Well equipped spacious laboratories having PCR, UV-VIS double beam spectrophotometer, Gel documentation system, Fermentor, HPLC, Fluorescent microscope, Elisa reader, Milipore water purification assembly, Iso-Kinetic, Cooling centrifuge, -20°C Deep fridge, etc.
- Classrooms equipped with audio-visual aids.
- Well stocked library with INFLIBNET facility.
- Students mentor system, excellent ERP System to monitor students progress.
- Biometric attendance for students in each classroom & lab.

### Full fledged placement and training cell

- The cell has a strong network with the leading industries and companies all over India. It regularly invites companies for campus placements.
- The institute has evolved a MOU with Uttarakhand Industries Association and Drug Manufacturers Association for providing hands-on-training & apprenticeship.
- Excellent placement record with almost 90% Dolphinites securing employment in reputed industries, research and teaching institutes.

### Research Activities

- On going research projects funded by Govt. Agencies like DBT, UCOST, USBD.
- Students enrolled in Ph.D. Programmes in various Departments.
- Centralized State of the Art Research Lab with latest equipments.
- Organising workshops, seminars, hands on training regularly.

### Other Facilities

- Separate hostel facilities with security for girls & boys.
- ATM, Cafeteria & Cyber café within the campus.
- Recognized as a Local Chapter for NPTEL activities by IIT Madras.
- OPD with in house doctors.
- Well equipped Diagnostic Lab to conduct full panel of test.
- Extra classes for competitions like CSIR UGC-NET.
- Industrial trainings available for students.

### Personality Development Facilities

- Dolphin Students Welfare Council (DSWC)
- Curricular and co-curricular activities
- Round the Year Sports Activities
- Personality grooming classes
- Indoor & Outdoor sports
- National Social Service (NSS)
- Red Ribbon Club
- Scouts & Guide
- Red Cross Society
- National Cadet Corps (NCC)





# Programmes OFFERED



## UNDER GRADUATE

Programme	Duration	No. of Seats
B.Sc. Agriculture	4 years	220
B.Sc. Biotechnology with CBZ	3 years	60
B.P.T.	4½ years	50
B.Sc. Forestry	4 years	100
B.Sc. Horticulture	4 years	100
B.Sc. Medical Lab Technology	3½ years	50
B.Sc. Medical Microbiology	3½ years	50
B. Com.	3 years	120
B.Ed.	2 years	50

## POST GRADUATE

Programme	Duration	No. of Seats
M. Sc. Agronomy	2 years	30
M. Sc. Biotechnology	2 years	33
M. Sc. Botany	2 years	40
M. Sc. Biochemistry	2 years	30
M. Sc. Chemistry	2 years	40
M. Sc. Forestry	2 years	30
M. Sc. Medical Lab Technology	2 years	20
M. Sc. Microbiology	2 years	33
M.P.T. (Ortho)	2 years	20
M.P.T. (Neuro)	2 years	15
M.P.T. (Sports)	2 years	15
M. Sc. Physics	2 years	30
M. Sc. Pharmaceutical Chemistry	2 years	27
M. Sc. Zoology	2 years	40
M. Com.	2 years	40

## GLIMPSES OF EDUCATIONAL TOURS



Centre for Aromatic Plants



Anabhata Research Institute of Observation Sciences



Shikber Food Pvt.Ltd.



C.B. Pant University



Zoological Survey of India



Forest Research Institute



Avon Beauty Products Pvt.Ltd



Herbertpur Timber Depot



Waddo Institute of Himalayan Geology



## B.Sc. Agriculture

**Programme Summary:**  
Duration 4 years, 8 Semesters

Dr. C.S. Pandey  
HOD

### Eligibility

10+2 with minimum 45% marks in aggregate with PCB

### Course contents

Agronomy, general botany, general zoology, animal husbandry, field crops, plant physiology, genetics, manures & fertilizers, dairying, plant breeding & introductory seed technology, general horticulture, soil chemistry, etc.

### Career opportunities

The scope after completion of B.Sc. in agriculture is quite wide in terms of both higher education and job opportunities. As far as higher education is concerned, the most obvious choice after B.Sc. in Agriculture is Master of Science in Agriculture. The master's degree will help a student gain more detailed and specialized knowledge about the subject as well as help to seek better jobs. MBA in Agriculture is also another option. On the other hand if students choose to opt for job rather than higher studies then also there are many options available, as there are a lot of government and private bodies who look for knowledgeable and skilled professionals to benefit their business. Organizations like banks, insurance companies, dairy consultancies, animal industry etc. employ professionals from agriculture field.



## M.Sc. Agronomy

**Programme Summary:**  
Duration 2 years, 4 Semesters

### Eligibility

B.Sc. in Agriculture with minimum 45% marks in aggregate.

### Course contents

Crop Ecology, Modern techniques of raising field crops, Medicinal and Aromatic crops, Weed Management, Soil Science, Statistical methods for research in field crops, Irrigation Water Management and Seed Production Technology.

### Career opportunities



Agronomists are in

high demand for successful and profitable cultivation of various crops, viz. sugarcane, jute, medicinal and aromatic crops in different private industries, Govt. sectors and societies. Prospects are highly bright for research activities in different ICAR institutes, SAUs and CAUs. Specialized farming system entails the crops produced and exported in different countries require Agronomists in different capacities. There is high demand of agronomists in fertilizer industries, seed industries and agrochemical industries etc.





## B.Sc. Biotechnology with CBZ

**Programme Summary:**  
Duration 3 years, 6 Semesters

Dr. Archana Varshnava  
HOD

### Eligibility:

10+2 with at least 45% marks in aggregate with PCB.

### Course contents:

Cell biology, recombinant DNA technology, molecular biology, genetics, biochemistry, biophysics, instrumentation, bio-analytical techniques,

microbiology, immunology, bio-mathematics, bio-statistics, computers, bioinformatics, chemistry, botany and zoology.

### Career opportunities:

The course gives required exposure to the students in field of biotechnology, microbiology and biochemistry streams which makes them very suitable for pursuing M.Sc. course in any of the above field, besides botany, zoology and chemistry. These students definitely have an edge over others. A number of job openings are available.



## M.Sc. Biotechnology

**Programme Summary:**  
Duration 2 years , 4 Semesters

### Eligibility:

B.Sc. with Chemistry, Botany and Zoology (CBZ) or any other equivalent degree like Biotechnology/ Microbiology/ Biochemistry/ Genetics/ Industrial microbiology/ Medical Lab Technology with minimum 50% marks in aggregate.

### Course contents:

Molecular biology, molecular genetics, biochemical and analytical techniques, biochemistry, bio-mathematics, biostatistics and computer applications, immunology, hybridoma technology, radio isotope technology, microbiology, enzymology and protein engineering, cell and tissue culture, recombinant DNA technology, genomics, pharmaceutical biotechnology and drug designing. Dissertation involving 12 to 20 weeks laboratory work in the related field is also a part of curriculum.

### Career opportunities:

Biotechnology is often used to refer to genetic engineering technology of the 21st century, however engineering technology of the 21st century, however the term encompasses a wider range and history of procedures for modifying biological organisms according to the needs of humanity, going back to the initial modifications of native plants into improved food crops through artificial selection and hybridization. Bioengineering is the science upon which all biotechnological applications are based. With the development of new approaches and modern techniques, traditional biotechnology industries are also acquiring new horizons enabling them to improve the quality of their products and increase the productivity of their systems. There is an immense possibility of getting jobs in this field as the demand for biotechnologists is growing in India as well as in abroad. It is estimated that more than 6000 biotechnologists of top skill are required in India as per the survey made by the Human Resource Development Ministry. The biotech industry is one of the most significant sectors in enhancing India's global profile as well as contributing to the growth of the economy.





## B.Sc. Forestry

### Programme Summary:

Duration 4 years, 8 Semesters

Dr. Sandhya Goswami  
Course Coordinator

### Eligibility

10+2 in PCB/PCM with minimum 45% marks in aggregate.

### Course contents

Basic forestry and allied courses like geology and soil science, hydrology and watershed management, soil survey and land use planning, medicinal and aromatic plants, forest entomology and pathology, apiculture and sericulture, dendrology, world forestry systems, agro-forestry and social forestry, environmental studies, forest engineering. Introductory course of computer science, statistics, bio-mathematics, biology, plant physiology, biochemistry, biotechnology, genetics and plant breeding, microbiology, economics, agro-meteorology and remote sensing, fundamentals of wildlife & Range land management. Forest department training, live nursery establishments, industrial training related forest products.

### Career opportunities

Global concern about natural resource conservation and sustainable management requires trained forest managers for the management of the forests globally recalcination of degraded sites like coal mines, waste lands and other problematic soils. Forestry graduates may look forward for career in Indian Forest Services and State Forest Services, various departments of Ministry of Environment and Forests, agricultural and forestry universities, Ecotourism departments, IBPS (agriculture field officer), PWD & BRO (for roadside plantation), wood and non-wood forest based industries like plywood, furniture, medicinal plants, etc., Soil conservation, watershed management and plantation agencies and organizations, NGOs in the field of environment management, rural and tribal development, etc. International agencies like WWF, FAO, DANIDA, CIFOR, SIDA, USAID, DFID, etc. also offer placement to forestry graduates.



## M.Sc. Forestry

### Programme Summary:

Duration 2 years, 4 Semesters

Dr. Sat Biswas  
HOD

### Eligibility

B.Sc. Forestry (4 yrs) or B.Sc. with Forestry as one of the subject with 45% marks in aggregate.

### Course contents

Advanced Silviculture, Forest Bio-metric, Advanced Forest Management, Remote Sensing & GIS, Forest Resource Management and economics, Wood based Industries, Chemistry of Forest Products, Forest Policy & Utilization, Advanced Forest Ecology, Forest Biodiversity Conservation, Forest Protection, Seminar, Wood Science and Technology, Medicinal Plants and Aromatic Plants, Plantation Technology, Watershed Management.

### Career opportunities

Forestry is the art and science of tree resources, including plantations and natural stands. The main goal of forestry is to create and implement systems that allow forests to continue a sustainable provision of environmental supplies and services. The challenge of forestry is to create systems that are socially accepted while sustaining the resource and any other resources that might be affected.

Forestry post graduates may look forward for career in IFS and SFS, various depts. of MoEF & CC, agricultural and forestry universities, wood and non-wood forest based industries like plywood, furniture, medicinal plants, etc., soil conservation, watershed management and plantation agencies and organizations.





Dr. Deepa Warkeo  
HOD

## Bachelor in Physiotherapy

**Programme Summary:**  
Duration 4 years, 6 months  
internship; Annual System



### Eligibility

10+2 with at least 50% marks in PCB

### Course contents

Human anatomy, human physiology, general, social and clinical psychology, biochemistry, basic principles in physiotherapy, Exercise Therapy yoga and massage, electrotherapy and actinotherapy, biomechanics and kinesiology, pathology and microbiology, pharmacology, clinical orthopaedics, clinical neurology and psychiatry, clinical cardiothoracic conditions, general medicine, skin, paediatrics, general surgery, OBG, gynecology, ENT, plastic surgery, disability prevention and rehabilitation, P.T. in orthopaedics, P.T. in neurology, P.T. in cardiothoracic conditions, P.T. in general medicine and surgery, research methodology; computers and biostatistics, clinical dissertation and project submission.

## Master in Physiotherapy

**Programme Summary:**  
Duration 2 years, Annual System



### Eligibility

Bachelor's degree in Physiotherapy (B.P.T) with minimum 50% marks in aggregate.

### Course contents

**Musculoskeletal Disorders:** Basic medical science, biomechanics and kinesiology, exercise physiology, exercise therapy, emergency care, physiotherapy in orthopedic diseases, orthopedic surgery, hand rehabilitation, vertebral rehabilitation educational psychology, rehabilitation physical medicine, Dissertation based on project work.

**Neurology:** Physiotherapy in neurological disorders, neurosurgical rehabilitation, physical therapy in pediatric neurology, skill enhancing studies, Dissertation based on project work.

**Sports:** Traumatology, orthopedics and community medicine, physical therapy, fundamentals in sports, rehabilitation in sports, skill enhancing studies, Dissertation based on project work.

### Career Opportunities

Physiotherapy is the treatment of diseases, injury or deformity by exercise and electro-therapeutic devices and manual therapy rather than drugs.

It is in great demand now days for preventive treatment and rehabilitation of various musculo-skeletal and neurological disorders like polio, paralysis, slip-disc, spondylitis, joint dislocation, etc. It is used exclusively, as well as, in addition to conventional treatment.

Physiotherapist works with people of all age groups to maintain and promote healthy body and restore function and independence when individuals sustain disability or problems caused by physical, neurological or other disorders.

It has tremendous scope for both service and self employment. For those who would prefer a job, there are many options like hospitals, private and government physiotherapy and pain-care clinics, sports & fitness centers, gymnasium, hotel spas, rehabilitation centers, old age homes and in the field of academics. There are greater avenues for self employment by establishing a private clinic.

Physiotherapist can obtain doctorate degree and become involved in research.





Mr. Aditya Swarup  
Course Coordinator

## B.Sc. Medical Lab Technology

**Programme Summary:**  
Duration 3 years, 6 months  
internship; Annual System



### Eligibility

10+2 with PCB/PCM with at least 45% marks in aggregate or DMLT from any state technical board or university.

### Course Contents

Human anatomy, physiology, pathology, medical microbiology, clinical biochemistry, clinical hematology, histo-pathology, preventive medicine and health care. Besides this, internship for 6 months with a reputed hospital, industry, etc is also mandatory.

### Career Opportunities

With a career in the medical laboratory, you make the choices. Your opportunities are limited only by your imagination. Clinical laboratory testing plays a crucial role in the detection, diagnosis, and treatment of disease. Clinical laboratory technologists are also referred to as clinical laboratory scientists or medical technologists. Medical and clinical laboratory technologists generally have a bachelor's degree in medical technology. They perform complex chemical, biological, hematological, immunological, microscopic and bacteriological tests.

## M.Sc. Medical Lab Technology

**Programme Summary:**  
Duration 2 years, 4 Semesters



### Eligibility

B.Sc. MLT or Medical Microbiology or M.Sc. in Medical Sciences with minimum 50% marks in aggregate.

### Course contents

Good laboratory practice, handling of basic laboratory equipments, clinical pathology, hematology, blood banking, medical microbiology, diagnostic serology, clinical biochemistry,



histopathology, cytopathology, clinical virology, clinical parasitology, clinical mycology, immunology, hospital management and organization, biostatistics and computer applications.

### Career opportunities

The physician of today is over worked professionally. It is also established that many of the functions of a physician can be performed by biomedical professionals, if given relevant education and training. One such professional is a 'Medical Lab Technologist' who carries out pathological laboratory work. A trained pathologist can work in many discrete and diverse areas. He can act as a consultant to a physician and a patient alike.





## B.Sc. Medical Microbiology

**Programme Summary:**  
Duration 3 years, 6 months  
internship; Annual System

Dr. Gauri Singh  
Course Coordinator

### Eligibility:

10+2 with PCB/PCM at least 45% marks in aggregate.

### Course contents:

Human anatomy, physiology, pathology, parasitology, systematic bacteriology, medical mycology, medical virology, medical microbiology, clinical biochemistry, immunology, molecular biology.

### Career opportunities:

This course aims to prepare the students to be able to work as a leading partner in health care team and makes them competent to work in a variety of health care set ups. With a wide range of career opportunities available today in allied health science, graduate in medical microbiology has a wide choice of career opportunities. They are in great demand in hospitals, research institutes, blood banks, food industry etc.



## M.Sc. Microbiology

**Programme Summary:**  
Duration 2 years, 4 Semesters

Dr. Shalja Pant  
HOD

### Eligibility:

B.Sc. with Chemistry, Botany and Zoology (CBZ) or any other equivalent degree like Biotechnology/ Microbiology/ Biochemistry/ Genetics/ Industrial microbiology/Medical Lab Technology with minimum 50% marks in aggregate.

### Course contents:

General Microbiology – Bacteriology, Virology, Mycology, Medical Microbiology, Industrial Microbiology- Fermentation Technology, Food and Dairy Microbiology, Environmental Microbiology, Agriculture Microbiology, Biostat, Research Methodology, Computer Applications, Biochemistry, Cell Biology- Cellular Microbiology, Molecular Biology & Microbial Genetics, Microbial Physiology & Metabolism, Immunology, Biological Techniques, Recombinant DNA Technology & 05 Months Research Project/ Dissertation.

### Career opportunities:

The course studies the diversity of microbial types, how microorganisms can be used and manipulated to aid mankind and counter the detrimental effects of microorganisms. New industries devoted to Genetic engineering offer microbiologists excellent career opportunities. They are also in demand in the field of Clinical microbiology. Microbiology professionals are well equipped for a variety of careers. They usually secure jobs in their respective fields of interest like Research and Development (R & D), Laboratories in government and private hospitals, Pharmaceutical, Food, Beverages, Chemical, Petroleum, Distilleries, Cosmetics & Agriculture industries.





## B.Sc. Horticulture

**Programme Summary:**  
Duration 4 years, 8 Semesters

Dr. Ritika Pandey  
HOD

### Eligibility

10+2 with minimum 45% marks in aggregate with PCB/PCM.

### Course contents

Horticulture, Soil science, Genetics, Cytogenetics, Plant Breeding, Entomology, Pathology, Microbiology, Olericulture, Pomology, Floriculture, Post Harvest Technology, Biochemistry, Biotechnology, Medicinal and Aromatic Plants, Apiculture & Agro forestry.

### Career opportunities



Horticulture has promises for the welfare and health of the society and nation as well. It has been recognized as one of the most important enterprises for improving the economy of nation in general, and of hill region in particular, besides generating self employment.

It is an extremely diversified field with nearly unlimited career opportunities. Horticulturists play a vital role in improving the cultivation practices of fruit, flower and vegetables crops. The scope deepens wide with the cut flowers for export to different countries. In addition, post harvest handling of the fruits, vegetables and flowers provide an opportunity for value addition of the horticultural produce. A professional in this field can opt career as Floriculturist, Olericulturist or Pomologist.



## B.Ed.

**Programme Summary:**  
Duration 2 years, 4 Semesters

Dr. Bajendra Nath Sinha  
HOD

### Eligibility

Bachelor's degree in Science/ Arts/ Commerce from any recognized university with 50% marks in aggregate for general and O.B.C candidates, and pass marks for S.C. and S.T. candidates. Admissions are given on merit through entrance test and rules framed by the State Govt., H.N.B. Garhwal Univ. and N.C.T.E.

### Course contents

Childhood And Growing Up, Contemporary India and Education, Language across the Curriculum, Understanding Disciplines and Subjects, Reading and Reflecting on Texts, Teaching and Learning, Assessment for Learning, Teaching Methods I& II, Drama and Art in Education, School Internship, Gender, School and Society, Knowledge and Curriculum, Creating an Inclusive School, Critical Understanding of ICT & Understanding the Self.

### Career Opportunities

Need for quality education has become a global concern. The teachers should be efficient professionals having rich combination of skills, knowledge and experience as well as responsibility and commitment to work in a world of new demands.

Large number of schools are coming up both in urban and rural areas. Thus, creating a never ending demand for good teachers both in English as well as in regional language schools.







## B. Com

**Programme Summary:**  
Duration 3 years, 6 Semesters

Mrs. Rama Garg  
Course Coordinator

### Eligibility

40% in 10+2 in any stream from recognized board

### Course contents

Environmental Studies, Financial Accounting, Business Organisation and Management, English Language, Language English/Hindi/ Modern Indian Language, Business Law, Business Statistics, Hindi/Modern Indian Language, Company Law, Income Tax Law and Practice, Hindi/Modern Indian Language, Computer Applications in Business, Business Communication, Corporate Accounting, Cost Accounting, E-Commerce, Human Resource Management, Principles of Marketing, Computerised Accounting system, Goods and Services Tax (GST), Principles of Micro Economics, Corporate Tax Planning, Banking & Insurance, Fundamentals of Investment, Auditing & Corporate Governance, International Business, Office Management & Secretarial Practice, Management Accounting, Consumer Protection & Indian Economy.

### Career Opportunities

As commerce students, they get familiar with knowledge of business, trade, market fluctuation, fiscal policies, industrial policies, share market, stock market etc. Hence there are ample of job opportunities in the commerce field and the salary package is also lucrative. Some major industries where commerce graduates/ post graduates can seek employment are banking, insurance, management, investment, finance etc. The scope is wide in these fields. They can be roped in as Professional Accountant, Marketing Executive, Financial Analyst.

The commerce graduates can also make a successful career by opting for professional courses like C.A., ICWA and CS.



## M. Com

**Programme Summary:**  
Duration 2 years, 4 Semesters

### Eligibility

45% in B. Com or 50% in B.A./B.Sc.

### Course contents

Corporate Financial Accounting, Management Principles and Practice, Business Environment, Managerial Economics, Computer Applications in Business, Business Communication.

Financial Management, Marketing Management, Human Resource Management, Research Methods & Statistics, Management Accounting, Legal Aspects of Business, Organizational Design, Development & Change.

International Business, Management of Financial Services, Income Tax Laws and Practice, Financial Markets and Institutions, Security Analysis and Portfolio Management, Consumer Behaviour, Marketing Communication.

Project Planning and Evaluation, Project Report, Risk Management and Insurance, International Financial Management, Marketing of Services, International Marketing, E-Commerce and Entrepreneurship Development.





## M.Sc. Botany

**Programme Summary:**  
Duration 2 years, 4 Semesters

Dr. K. P. Jagathi  
HOD

### Eligibility

B.Sc. with Chemistry, Botany and Zoology (CBZ) with 45% marks in aggregate.

### Course contents

Phycology, Mycology; Pteridophytes, Gymnosperms, Bryophytes, Lichens, Palaeobotany, Taxonomy, Diversity of Seed plants, Plant Ecology, Remote Sensing, Plant Physiology, Biochemistry, Forest ecology, Plant Health and Management, Conservation Biology, Plant Development and Reproductive Biology, Resource utilization, IPR, Ethnobotany, Plant Breeding, Biostatistics, Plant Biotechnology and Genetic Engineering, Cytogenetic, Molecular Biology.

### Career opportunities



With the challenges posed by environmental issues on existing flora, the significance and scope of Botany has widened, than ever before. A post graduate degree in the subject makes the person eligible to opt for a career in teaching or to take up research work in any prominent University. Besides, one can join any reputed organization as environment consultants, plant explorers, ecologists, conservationists Taxonomist, Horticulturist, Genetics, Plant biochemist, etc.



## M.Sc. Zoology

**Programme Summary:**  
Duration 2 years, 4 Semesters

Dr. Beena Jyoti Bhatt  
HOD

### Eligibility

B.Sc. with Chemistry, Botany and Zoology (CBZ) with 45% marks in aggregate.

### Course contents

Taxonomy, Animal diversity (Non Chordata & Chordata), Endocrinology, Evolution, Developmental Biology, Toxicology, Cell Biology, Molecular Biology, Genetics, Animal Physiology, Ecology, Ethology, Immunology, Biochemistry, Microbiology, Instrumentation & Research Methodology. It also covers various taxonomically oriented disciplines such as Fisheries Science Entomology and their applied field also.



### Career opportunities

Zoology is the branch of biology that relates to the animal kingdom, including the structure, embryology, evolution, classification, habits, and distribution of all animals, both living and extinct. Some of the zoology career options are: Research Scientist, Wildlife Scientist, Wildlife Managers, Remote Sensing and GIS, Ecologist, etc. Most zoologists are employed by Govt. organizations in forestry, agriculture and wildlife sectors, colleges, university and schools.





## M.Sc. Chemistry

### Programme Summary:

Duration 2 years, 4 Semesters

Dr. Versha Partha  
HOD

### Eligibility

B.Sc. with CBZ/PCM with 45% marks in aggregate.

### Course contents

Inorganic chemistry, Organic chemistry, Physical chemistry, Analytical chemistry etc.

### Career opportunities

The word "Chemistry" is itself a wide term. It provides a large platform for job and research opportunities. With a degree in chemistry, you can enter any field that is related to chemistry, i.e., Industrial Chemistry, Pharmaceutical Chemistry, Synthetic Chemistry, War Chemistry, Green Chemistry, Radio Chemistry, Agriculture Chemistry and Natural Product Chemistry etc. A good chemist has a good hold on instrumentation, simple analytical procedures, drug designing and its development. On pursuing this course one can enter in the world of chemical science involving various kinds of developments, creativity and job opportunity in the following areas: polymer industry, paper and pulp industry, dye industry, pharmaceutical and paint industries, etc., in various reputed chemical industries and Government research organizations, oil and petrochemical industries, like ONGC, Indian Oil Corporation etc., food and fertilizer industries, seed development industries and various mineral and material sciences. Faculty positions in engineering colleges, PG Science colleges, biomedical/paramedical colleges, etc. are also available.



## M.Sc. Pharmaceutical Chemistry

### Programme Summary:

Duration 2 years, 4 Semesters

Dr. Deepak Kumar  
HOD

### Eligibility

B.Sc. in any subject, or B. Pharm.

### Course contents

The course study covers the subject's stereochemistry, analytical chemistry, medicinal chemistry, pharmaceuticals, natural product chemistry, pharmacology, drug design, phytopharmaceuticals & nutraceuticals, modern analytical methods & research project.

The program trains students with strong skills in observation, recording and in quality designing and assessment of drugs. Students would be learning about drug's synthesis, their medicinal effects, quality analysis and research activities.

Focus is laid on study of quality control, separation techniques and the research environments. The course provides training in drug synthesis, drug testing, and development of drugs and validation of analytical methods.

The curriculum includes lectures, practicals, seminars, project works, lab work, assessments. It enables them to equip with problem solving abilities and in developing analytical skills. Course provides students with latest technologies and with necessary skills to embark upon their career for their life.

### Career opportunities

The PG degree in pharmaceutical chemistry enables the students to find jobs in varied sectors. The qualified candidates find jobs in pharmacy companies, drug manufacturing and marketing companies, health departments, laboratories, research organizations (CSIR), biotechnological firms, pest control department, and defence services. The jobs are available as professors, manager, scientist, researcher, patent analyst, quality control assistant. The students can further study for research work.





## M.Sc. Biochemistry

### Programme Summary:

Duration 2 years, 4 semesters

Dr. Gyareendra Awasthi  
HOD

### Eligibility

B.Sc. with Chemistry, Botany and Zoology (CBZ) or any other equivalent degree like Biotechnology/ Microbiology/ Biochemistry/ Genetics/ Industrial Microbiology/ Medical Lab Technology, Medical Microbiology with minimum 50% marks in aggregate.

### Course contents

Organic chemistry, biomolecules, bioenergetics, intermediary metabolism, enzymology, biochemical and biophysical techniques, plant biochemistry, microbiology, molecular biology, genetic engineering, clinical biochemistry, immunology, biotechnology, biostatistics, bioinformatics; dissertation work for 12-20 weeks.

### Career opportunities

Biochemistry offers tremendous challenges to understand the most fundamental processes of life at the molecular level and to utilize this knowledge for the benefit of people. Those who make a career in this science find it endlessly fascinating, very rewarding and very fulfilling. There is a large demand for biochemists. The Government needs more scientists and technologists in all walks of life to take advantage of recent advances in knowledge. Job prospects are fair for new biochemistry graduate as compared with that of biological sciences as a whole. Biochemists find themselves placed at high profile jobs with agriculture universities and medical organizations, R&D openings in pharmaceutical/ diagnostic companies, quality control/ quality assurance, as analyst in various food industries like Nestle, Cadbury, Dabur, etc. Research opportunities are also available at renowned institutes and organizations such as BARC, CDRI, IVRI, etc besides the industry.



## M.Sc. Physics

### Programme Summary:

Duration 2 years, 4 Semesters

Dr. Ashish Rauti  
HOD

### Eligibility

B.Sc. in PCM/PCB with minimum 45% marks in aggregate.

### Course contents

Mathematical Physics, Advance Quantum Mechanics, Classical Mechanics, Atomic and Molecular Physics, Particle physics, Nuclear Physics, Condensed Matter Physics and Computational Physics. Dissertation/projects: Seven thrust areas i.e. Particle physics, Nuclear Physics, Environmental Physics, Electronics and Communication, Climate and Atmospheric Physics; Mechanics of the Materials & Biophysics research have been identified. Special virtual Laboratory for Astrophysics.

### Career opportunities

One possibly appealing aspect of studying physics is the diversity of physics careers, which are not set in any one direction. Physics Post graduates have skills that are in high demand in diverse sectors. These include skills relating to numeracy, problem-solving, data analysis and the communication of complex ideas, as well as a wider understanding of how the world works, on a scientific and human level.

The main reason to study physics at Post graduate level is to help you gain more in-depth, specialized knowledge, to prepare you to work effectively in a specific field. Whether you want to explore space, time, matter or the many other intriguing elements of the physical world, a physics degree can do wonders for your career path. While many physics post graduates go on to work within research roles, these are spread across many different industries – including education, automotive and aerospace industries, defence, the public sector, healthcare, energy, materials, technology, computing and IT. Although it is possible to enter into scientific research as a researcher in prestigious organisation like Defence Development organisation (DRDO), Physical Research Laboratory, Ahmadabad, Saha Institute of Nuclear Physics, Kolkata, Nuclear Science centre, New Delhi, besides a large number of other Govt. & PSU organisations.



## Training & Placement Cell



V.K. Nagpal  
Additional Director

The Institute has a full time placement cell to provide counselling and assistance to our students for career opportunities. The cell has a strong bonding with the leading Industries and research institutes all over India. It also regularly invites companies for campus placements. Our past and present students have found very lucrative placements in many leading companies, like Alembic Ltd., Apollo Hospital, Biocon Ltd., Biological E Ltd., Cipla Laboratories Ltd., Roache, Colgate Palmolive Ltd., Dr. Lal



Pathology Labs, Dr. Morepen Laboratories Ltd., Elder Pharmaceuticals Ltd. to name a few. Similarly many of our students are serving with excellence in

leading research institutes of the country namely AIIMS, TIFR, CDRI, IARI, FRI and CSIR. We are proud that our graduates and post graduates are also excelling in leading hospitals like Fortis, Apollo, Kailash and Medanta.

The Training & Placement Cell also look after training programmes and opportunities for students to undertake their dissertation work and summer trainings, which are mandatory as per university norms.

The Training & Placement Cell provides the formal support base for placement of final year students by arranging campus interviews and grooming students to face the final test of their knowledge. The institute is equipped with a conference hall for holding pre-placement discussions and well furnished rooms for conducting interviews. The Placement Office is fully computerized.

The Training & Placement Cell is headed by Additional Director and assisted by Placement Officer, Placement Executive & student representatives from various departments.

### Placement Activities

Invitations are sent to the prospective companies/ industries along with all relevant information to participate in the campus recruitment. During the current year approximately 45 companies and industries visited the campus for placement of students from different streams.



Regular contact is maintained with the prospective employers. Personal visits by the officials of Training and Placement Cell to several companies and industries also serve to build and maintain relations with the corporate world.

## Distinguished Alumni



**Mr. Nilesh Mishra**, M.Sc Biotechnology (Batch 2005-07), is ICT4D practitioner with 9+ years of experience. He specializes in ICT for agriculture development, communications, capacity building & training. His current engagement at ICRISAT as Senior Scientific Officer ICT, focuses on

Communications, Knowledge and Information sharing using digital platforms and tools. He has the onus of managing different websites, social media platforms, blogs and other communications tools for effective knowledge sharing. Nilesh was actively engaged in planning, execution and delivery of First Massive Open Online Course (MOOCs) on agriculture in India delivered by One Agriculture-One Science Consortium led by ICRISAT.



**Ms. Kanika Singh**, M.Sc Biotechnology (Batch 2005-07), has almost 9 years of experience working in the field of Agricultural Research for Development. She had the privilege of working with various international institutes like FAO, IFPRI, USAID and national institutes like NAARM,

MANAGE, NIRD. She is currently employed at the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) headquartered at Hyderabad, Telangana. Her main focus is to work towards the better livelihood of small holder farmers, in India and Africa, using Digital tools designed specifically for Agriculture.

**Tashi Phuntsho**, B.Sc. Agriculture (Batch 2011-15) secured 2nd position in Bhutan Civil Service Examination in 2015. Currently he is working as Agriculture Research Officer in the Department of Agriculture, Ministry of Agriculture & Forest, Bhutan. He is also Focal person for Integrated Horticulture Promotion Project, Bhutan. His work profile includes conducting varietal evaluation trials for horticulture crops, monitoring and supervise the agriculture activities, conducting trials on pest and disease resistant crops, disseminating technologies generated by research centre to the farming community through trainings, field days, practical demonstrations & on-farm trials; training farmers, School Agriculture Program Coordinators & students.



## National Service Scheme (NSS)



The motto of the NSS is 'NOT ME BUT YOU'. This expresses the essence of democratic living and upholds the need to appreciate the other person's point of view first and to show consideration for fellow human beings. It also underlines that the welfare of the individual is ultimately dependent on the welfare of Society as a whole. NSS attempts to establish meaningful linkages between 'Campus and Community', 'College and Village' and 'Knowledge and Action'. The NSS unit of the institute is conducting regular activities as well special camping time to time.



## Conferences

### Role of Balls and Bands in Rehabilitation & Fitness

Department of Physiotherapy organised a two days hands on workshop on 'Role of Balls and Bands in Rehabilitation and Fitness' on 11th & 12th Aug. 2018. The techniques were taught



by Dr. Mahendra Yadav, MPT (Sports), Abu Dhabi. He has conducted more than 50 workshops around the country and abroad for physiotherapy professionals and trained many eminent physio-therapist in skills of the therabands. Dr Mahendra Yadav is a certified Theraband instructor from Theraband Academy, USA since 2010. Presently he is the only silver level instructor in India.

The workshop enhanced clinical decision-making and problem solving skills for rehabilitation at all levels including athletic trainers, physical and occupational therapists. The intensive workshop included lecture and hands-on lab activities using progressive elastic resistance and progressive proprioception exercises using exercise balls and balance training devices. Dr. Yadav focused on Thera Band exercises as part of Dynamic Neuromuscular Stabilization (DNS) Program, balance and resistance training.

### Seminar on Women Empowerment & Legal Awareness

A One Day Seminar on Women Empowerment and Legal Awareness was jointly organized by District Legal Authority, Dehra Dun and Dolphin PG Institute on 6th June 2018. The students and the local residents of the nearby rural areas



representatives from various NGOs participated in the seminar. Govt. officials from various departments like, Health, Social Welfare, Women and Child Development, UREDA, Agriculture and Revenue etc. also interacted with the participants.

Shri Abdul Qayum, PCJS Civil Judge & Secretary District Legal Authority presided over the seminar. He highlighted various laws to protect women from exploitation & to safeguard their interest.

### Neuro Developmental Therapy



Department of Physiotherapy organised a two days hands-on-workshop on 'Neuro Developmental Therapy' on 2nd and 3rd June, 2018. The workshop was conducted by Dr. Harpreet Singh, MPT (Neuro), Senior Physiotherapist, AIIMS, New

Delhi. He has so far conducted about 100 workshops on the subject around the country and abroad for physiotherapy

professionals and trained many eminent physiotherapists in skills of NDT.

Dr. Singh explained the participants about the NDT technique, a definitive rehabilitative technique that is designed for stroke patients. All the students had hands on session and practiced NDT techniques under the guidance of Dr. Singh.

### Entrepreneurship Development Programme on 'Food Processing Industries'

The six days Entrepreneurship Development Programme on 'Food Processing Industries' was organised under the aegis of Department of Capacity Building & Skill Development Cell



of the Institute in collaboration with Horticulture Department from 2nd to 8th April 2018. The EDP was conducted with the objectives of training participants on project formulation, management techniques, marketing and finance to develop skills for setting business start-ups, know how on opportunities and financial aid and information regarding market and start-ups for new entrepreneurs and other related assistance being provided by central and state governments. 80 participants from different Educational Institutions and NGOs participated in the programme. The EDP was inaugurated by Dr. Dhan Singh Rawat, the Minister for Higher Education, Government of Uttarakhand. The training manual for the EDP was released during the inaugural. The key note address was delivered by Dr. Rattan Kumar, Jt. Director, Uttarakhand Horticulture Department.

Eminent speakers like Commander Yog Raj Negi, Dr. Arun Kukhsal, Director, Institute of Entrepreneurship & Skill Development, Dr. Sanjay Agarwal, Organizing Secretary, Dr. H.C. Purohit, Dean Management, Dr. Prachi Gupta, Shri Vijay Thapliyal, Secretary, Krishi Utpadan Mandi Samiti, Dehra Dun, Dr. Gulshan Dhingra, IPR Expert and faculty of PLMS PG College Rishikesh gave talk on various related issues during the six days programme.

### FDP on "Use of ICT in Education & Research Methodology"

Department of Physics and the Local NPTEL Chapter of the Institute, in collaboration with Teaching Learning Centre Ramanujan College, University of Delhi, organized a one week FDP program on "Use of ICT in Education & Research Methodology" at Dolphin (PG)



Institute from 11th to 17th June 2018. The FDP was held under the aegis of Pandit Madan Malviya National Mission on Teachers and Teaching. 75 faculties from the Institute, other colleges and universities participated in the training programme. The FDP was

## Glimpses of Guest Lectures



Dr. Ajay Thakur  
Scientist & OIC, Tissue Culture Discipline, FRI, Dehradun



Dr. Amit Sharma, PT  
Department of Physiotherapy, HBT, Dehradun



Dr. Vaidhavy Agrawal, PT,  
Department of Physiotherapy, HBT, Dehradun



Dr. E. R. Deshpande  
Hon. Director, NCM - CLEAN India Centre, Aurangabad



Dr. Rakish Nautilyal  
Sr. Veterinary Officer, Dehradun Zoo



Prof. Sanjay Gupta  
Swami Rama Himalayan University, Dehradun



Dr. M. Muruganandam  
Sr. Scientist, Indian Institute of Soil & Water Conservation, Dehradun



Dr. Charan Singh  
Principal, Swami Rama Institute of Soil & Water Conservation, Dehradun



Dr. Lalit Bhatt  
CBP University of Agriculture & Technology, Pantnagar



Dr. Manish Bhardwaj  
Scientist O, Tissue Culture Discipline, FRI, Dehradun



Prof. M.C. Nautilyal  
CBP University of Agriculture & Technology, Pantnagar



Dr. Sali Tiwari  
CBP University of Agriculture and Technology, Pantnagar

ably coordinated by Dr. Nikhil Rajput, Assistant Director, TLC, Ramanujan College, Delhi University with a number of his colleagues specializing in application of ICT in education;

Dr. Prakhar Wadhwa, Dr. Ashish Shukla, Dr. Schin Tomar from Ramanujan college of Delhi University, Dr. Archana Shukla from MHRD & Dr. S.K. Sharma from Khalsa College, Delhi University were the other resource persons for the training programme.

The course curriculum was adopted as prescribed by UGC. The session was marked by the practical training on how to create classroom home page and teachers personalized home page in computer, wherein detail information regarding syllabus, reference books, evaluation system, credits, marks, notes uploading by

teachers and assignment uploading by students, creation of subject wise classrooms in computer, subsequently the advance features of EXCEL sheet etc, were covered by the resource persons. Participants were explained the revolutionary features of LATEX. Teaching and Learning can be much more meaningful and well presentable in an organized documentation form by LATEX. Dr. Archana Shukla, Indian Statistical Services, Assistant Director MHRD delivered an informative lecture on fundamental tool of statistics in research and methodology. Subsequent sessions of the programme broadly revolved around the statistical software SPSS. All sessions of the FDP were therefore practical oriented and were open to multiple queries and hands-on-training.

# Glimpses of Annual Week 'SRIJAN' 2018-19



Rangoli



March Past



Bamboo Dance



Balloons being released



Group Photograph of the performers and faculty at inaugural of Srijan



Gidda Dance



Flower Arrangement



Poster



Face Painting



Painting



Solo Dance



Paper Art



Cartoon Making



Mehandi



Long Jump



Badminton



Race (Boys)



Tag of War



Salad Making



Mime



DSWC Team Members



Garba Dance



Skit



Shot Put



Solo Song



Band





Mr. Vipul Garg  
Dean Students' Welfare

## Dolphin Students Welfare Council (DSWC)

### DSWC donated Water Cooler and Street Lights to Nyaye Panchayat, Bhauwala

DSWC donated a water cooler and hundred street lights to Nyaye Panchayat, Bhauwala on June, 16, 2018. The water cooler was installed in Nyaye Panchayat Bhauwala whereas the street lights were distributed to various Gram Panchayats. Shri Sahdev Singh Pandir, MLA Shahaspur alongwith Gram Pradhans of different Gram Panchayats received the items from Dean Shri Vipul Garg, Shri Pankaj Gusain & students of the institute.



### Gratis saplings of medicinal and timber plants distributed

2500 saplings of Sheesham, Kalashireesh, Amaltash, Khair, Anwala, Kachnar, Gulmohar, Shahtoot, Popular and Bheemal were distributed gratis to NGOs, Schools, Village Panchayats & tree loving individuals on 24th Sept. 2018. The saplings were cultivated in the Nursery of the institute by the students of Forestry, Agriculture and Horticulture departments.



### Seminar on National Integration

A seminar was organised with the motto to spread the message of 'bhai-chara' in society at large, and among members of different religions, castes, and communities. Renowned intellectuals and authors spoke to the students, staff and faculty members of the institute on this issue. Dr. M. S. Ansari, Secretary Red Cross Society of India, Uttarakhand Chapter, Brigadier (Retd.) K. G. Bahal, Prof. Firoj Ahmad, Dr. Imam Ul Haq Ramszi were the eminent speakers on the occasion. The students were given the responsibility to spread a positive message in the society to enhance mutual faith and strengthen national integrity.



### Dolphin Institute Felicitated Toppers of Uttarakhand Board 2018

Dolphin Institute in collaboration with Amar Ujala, a popular Hindi news paper felicitated the 2018 toppers of Uttarakhand Board on 29 July 2018. 78 students were honored on the occasion. Chief Minister Shri TS Rawat advised the awardees to use their energy and strength in right direction to become successful in life.



The Chairman of Dolphin Institute, Shri Arvind Gupta, honored toppers of Uttarakhand Board with wrist watches. Chief Minister of Uttarakhand appreciated the efforts by Dolphin Institute.

### Two Days Divyang Shivir

DSWC in collaboration with Harshal Foundation, Doon Sanskriti and Amar Ujala Foundation organised two days multipurpose camp on 29th & 30th September 2018 for Divyangs. Around 2000 persons benefitted through the camp. A plethora of services like Physiotherapy, free health checkups, distribution of artificial hand & foot, shoes, hearing machine, wheel chair, tricycle, crutches were provided at a single platform.



### Celebration of National Days

Dolphinites celebrated the Independence Day on 15th August 2018 and Republic Day on 26th January 2019 in the Campus. The Director and the Principal together hoisted the National Flag and offered floral tribute to the freedom fighters of the Nation along with the faculty, staff and students of the institute.



### Warm Welcome to Fresher's -2018

Dolphin (PG) Institute organised a fresher party in its premises on 12th, 13th and 14th October 2018. The senior students welcomed the new students from every department in the institute. The senior students introduced the new students to the tradition & culture of the institute by organising different activities in each department on this occasion.



### Two minutes for cleanliness with Amar Ujala

DSWC in association with Amar Ujala and Nestle organised a campaign "Two minutes for cleanliness" on 25th Sept. 2018. Dean DSW Shri Vipul Garg assured that the students of Dolphin Institute will form the chain to spread the message at large.



### DSWC distributed Sweater, Shoes & Stationary to the financially weak students

DSWC is running a project "Muskan" under which sweaters are being distributed to the financially weak students of rural areas. DSWC is also carrying out 'ARPAN' with Dainik Jagran. On 29th Nov. 2018 DSWC distributed 82 Sweaters to the students of 10 Govt. Primary Schools.



### Blood Donation Camp

DSWC organized a Volunteer Blood Donation Camp on 27th November 2018. The Camp was organized in Joint Collaboration with Doon Hospital, IMA Blood Bank & Amar Ujala Foundation. In the Blood Donation Camp 129 units of Blood was collected. The Chairman of the Institute Shri Arvind Gupta along with faculty, staff & students donated the blood.



### Participation in intercollegiate Competitions organized by HNB Garhwal Central University

Our students participated in Intercollegiate Competitions at HNB Garhwal Central University Srinagar Garhwal from 15th-18th Mar. 2019. Sovan Dakua secured 1st position in Mimicry, Andomi got 1st position in Cartoon Making, Srijantika secured 3rd position in Shastriya Nritya, Sudipa secured 2nd position in Shastriya Gayan, Sohani was placed 3rd in Sugam Sangeet, Manashi got 3rd position in Painting, Deepak Yadav was 3rd in Rangoli and Ravi Patidar & group secured 3rd position in Mime acting. Institute secured 3rd position in overall cultural events.



## Glimpses of Annual Day 'UDAAN' 2018-19



Shri Sahdev Singh Pundir, MLA being welcomed by Dr. Arun Kumar, Director



Shri Ramesh Garg Presented DES lighting the Ceremonial Lamp with other dignitaries



Saraswati Vandana



Dance based on National Integration



Garwali Dance



Qawwal



Dr. K.P. Tripathi, Head Department of Botany being felicitated as Star Faculty



Shri Sufjai Bhatt & Shri Ananda Rawat being felicitated as Best Admin of the Year



Winner being awarded for Dance (Western)



Department of Biotechnology won the Cricket Trophy



Winner of Paper Art Competition being awarded



Topper being felicitated



Certificate Distribution to candidates from Mata Bala Samdari Mahila Samajgaur Prabhakar Kandra



Department of Agriculture were the Winners of Home based classes



Divyansh Rawat (Best Boy) & Anisha Behal (Best Girl) being felicitated



Shri Sahdev Singh Pundir, MLA being presented the Memento by Shri. Anand Gupta, Chairman



Shri Ramesh Garg being presented the Memento by Dr. Shailja Pant, Principal



Forestry Department being awarded the Sports Trophy



Forestry Department being awarded the Deer-At-Runner-Up Trophy



Agriculture Department being awarded the Overall Championship Trophy

## National Cadet Corps (NCC) Commenced at Dolphin PGI



### National Cadet Corps (NCC) Commenced at Dolphin PGI

National Cadet Corps (N.C.C.) is a symbol of courage, bravery, nationality and patriotism among youth in the country. Officials of 29-UK Bn NCC conducted written and physical test of the students on 31st August 2018. Out of 78 students who appeared for the tests, 28 students {13 Boys (SD) and 13 Girls (SW)} have been selected for NCC unit of our Institute.



# Assets



## Well Planned & Well Maintained Campus

The institute has its own building and well equipped class rooms and state of art laboratories, which were duly appreciated by the State Govt. and the Peer Team of NAAC. Institute has 48 class rooms, of which 25 are fixed with over head LCD projectors. We have a total of 29 labs, each of which can conveniently accommodate 30-40 students at a time. The Institute has separate boys & girls hostels with each room having attached washroom; dining hall, game facilities and Wi-Fi campus.

In accordance with NAAC guidelines institute has Central and Departmental Libraries, Computers, Wi-Fi campus, Internet café, Sports facility, welfare schemes, Grievance Redressal Cell, IQAC, Dolphin Student Welfare Committee (DSWC), auditorium.

## Connectivity

The institute and the hostels are well connected by metallic road with the city via Prem Nagar. Plenty of private local buses and pickup vans are available for easy approach to the Institute and the hostels. The Institute also provides its own bus service for the Hostellers as well as Day Scholars, and the faculty members.

## Well Stocked Computerized Library

The central library of the institute has 23,400 accessioned books which are managed by Digitised Library Information system. In addition there are 16 departmental libraries to facilitate quick access to frequently referred books by students. Institute's library spreads across six thousand square feet area and stocks ample number of books to cater to all levels of UG & PG courses requirements. The reading room with the sitting capacity of more than 250 students is well lighted and peaceful. The library also subscribes to reputed professional research journals and general knowledge periodicals. It gives added advantage to students to be aware of latest inter-national developments in their respective fields. Library is well staffed and is headed by an experienced chief librarian.



## NPTEL Local Chapter

The National Programmer Technology Enhanced Learning (NPTEL), a project funded by the Ministry of Human Resource Development (MHRD), provides e-learning through online web and video courses in Sciences, technology, and Humanitarianism. This is a joint initiative by seven IITs and IISc Bangalore.

Dolphin Institute is approved to be the Local Chapter of NPTEL project with effect from October 2015.

Institute has a great practice of e-learning and execution of online courses in various streams of science & technology.

Through this initiative, we facilitate our students to enhance understanding of subjects and improve their employability skills. The Local Chapter office of the Institute has received more than 1000 video lectures in various stream of science & technology from IIT Madras and have also well updated NPTEL digital library.

## INFLIBNET Facility

The N-LIST program subscribes to Web of Science for universities, Annual Reviews (33 journal titles), JSTOR (2500 titles), Nature (27 journal titles), Project Muse (400+ journal titles) and Taylor and Francis (1079 titles) for 35 technical institutions including IITs, IISc, ISERs and selected NITs. Besides, more than 5,000 e-journals and 95,000 e-books are subscribed for the Institute.

## Global Standard Labs and Class Rooms

The Institute has the objective of grooming the students to be competent professionals, the need of the hour. To complement the foundation laid in the lecture theaters, the Institute boasts of state of the art laboratories. The large, spacious, well-lit and ventilated laboratories have been carefully designed keeping in mind the individual requirements of the students. Besides ICT enabled class rooms with OHP, overhead and portable LCD facilities have been provided in a number of class rooms and labs, besides the seminar hall. The NAAC Peer team appreciated the infrastructure available in the institute for teaching and learning.



Students from other universities are enrolled for Ph.D. programme in various departments.

Each department has been provided with individual departmental library as per norms laid down by NAAC.

## Hightech Computer Lab

Information technology acts as foundation for better access to information in society. It is a term popularly used to refer to the availability and use of advanced information services by means of a variety of high capacity data transport facilities, especially the computers and computer networks.



The institute has an updated ultra modern hightech Computer Lab having more than 100 computers.

## Cyber Café, Photostat Shop & ATM

A cyber café, a stationary shop, ATM and a general store are available within the campus for the convenience of students and the staff. The photo-copying facility is functional during college hours on all working days.

## Auditorium

A newly constructed auditorium was recently inaugurated by Pandit Vishwa Mohan Bhatt, Hindustani classical maestro and also Grammy Award Winner. Now the Institute has two state of art Auditorium with modern light &



sound system for conducting seminars, guest lectures, cultural programmes and have a combined seating capacity of around 500.



#### Cafeteria/Canteen



The Institute has constructed a new Cafeteria with separate seating facility for students & faculty members. The institute's canteen offers tea, coffee, cold drink, lunch and delicious snacks at very reasonable rates on all working days.

**Solar Energy:** With an initiative to move towards green energy concept, the Institute has installed a 100KW Solar plant which fulfills the entire electricity need of the campus.



#### Cozy Hostels

Our concern for students is not only limited to academics alone. Separate hostels for girls and boys, managed on no profit-no loss basis are also provided to ensure proper, hygienic and comfortable stay.



The girls' hostel provides accommodation on twin sharing arrangement with attached bath cum toilets having 24 hours water supply. It has hygienic dining facilities. The girls' hostel is fully Wi-Fi, providing easy internet access to

the resident students within the confines of their rooms. There is a proper security set up with round the clock guards besides lady wardens.

To and fro Institute bus facility is available from all the hostels on all working days. Bus facility is also provided for outings on holidays. Students are expected to abide by the rules and regulations of the hostel. Facilities like comfortable rooms, excellently managed mess with common dining hall, internet, indoor and outdoor games make their stay a pleasant experience. The students also take part in different festival and cultural activities within the hostel.

#### Transport

To ensure that the students can attend classes regularly and punctually, the Institute has its own fleet of eight buses and transport



facilities. The bus routes have been planned in such a way so as to cover maximum points in Dehra Dun city and surroundings.

#### Sports Facilities

Sports activities play a crucial role in overall personality development of the students. Sports benefit physical and mental health of the students and inculcate leadership qualities, comradeship, endurance and perseverance in the students.

Therefore, in spite of very busy academic schedule, Institute tries

to maintain a balance by encouraging students to participate in both indoor and outdoor games. The Institute has vast playing fields and indoor game facilities. These



provide opportunities to the students to participate in the whole range of games like cricket, football, basketball, volley ball, etc. under the guidance of experienced physical education instructors. Indoor game facilities include chess, table tennis, carom and gymnasium. Students can also opt for coaching in skating, tennis and yoga.

Sport events are organized regularly, besides the annual sports week. Institute has a regular coach to provide coaching to students for these events. The best player and the House declared champion are awarded in annual function of the Institute. This reflects our tenet of a "Healthy Mind in Healthy Body".

#### Advanced Diagnostic Centre

Maa Bala Sundri Diagnostic Centre is equipped with modern facilities such as biochemistry analyzer and fully automated cell counter. The centre provides all the



major investigation related to blood & other fluids for the students, staff, faculty and general public at affordable cost.

#### Physiotherapy Centres.



The institute operates seven state of the art physiotherapy centres at various locations in Dehra Dun city, i.e., Jankalyan Hospital, Sakya Hospital, Sanatan Dharam Mandir Physiotherapy OPD, Lion's Charitable Hospital, Synergy Multispeciality Hospital, Vivekanad Charitable Hospital, Vikas Nagar and one in the campus itself. Our Health Centres have earned a name for themselves in providing high standard health care facilities and services to the patients on very nominal charges. A large number of patients visit these centres for medical aid. Each of these centres is well furnished in terms of physiotherapists and other related medical equipments. These centres provide the much needed modern physiotherapy facilities to public at large. They also act as hands-on-training centres for our B.P.T. and M.P.T. students since they provide them excellent platforms for exposure in their fields of specialisation.



## Academic Honour



Dhruv Harish Wani  
M.Sc. Biochemistry



Ansa Shrestha  
M.Sc. Biochemistry



Ishika Sharma  
M.Sc. Biochemistry



Nishant Parmar  
M.Sc. Physics



Nishu Puri  
M.Sc. Agronomy



Anviti Thakur  
M.Sc. Botany



Kshiti Khandelwal  
M.Sc. Zoology



Tanuja Bhat  
M.Sc. Biochemistry



Nansi Chakraborty  
M.Sc. Biochemistry



Raksha Gupta  
M.Sc. Chemistry



Sachin Kumar  
M.Sc. Pharmacology



Nishu Yashwanth  
M.Sc. Botany



Nishu Sharma  
M.Sc. Physics



Nishu Khandelwal  
M.Sc. Zoology



Nishu Sharma  
M.Sc. Agronomy



Nishu Sharma  
M.Sc. Biochemistry



Nishu Sharma  
B.Sc. Forestry



Nishu Sharma  
B.Sc. Agriculture



Nishu Sharma  
B.Sc. Agriculture



Nishu Sharma  
B.Sc. Biochemistry



Nishu Sharma  
B.Com.

## Instrumentation Facilities

Good infrastructure of class rooms and laboratories are the strength of any good academic institution. Our vision and mission is no different and the institute take pride in having strong orientation in creating the best laboratory and research facilities. The NAAC Peer Team credited us with "Good infrastructure of class rooms and laboratories; conducive environment for teaching and learning".

The Institute has at least two fully outfitted laboratories for each stream. The labs are equipped with state of art educational and research instruments like PCR, UV- VIS double beam spectrophotometer, Gel documentation system, Fermentor, HPLC, Fluorescent microscope, Elisa reader, Millipore water purification assembly, Iso-Kinetic Testing and Rehabilitation System, Cooling Centrifuge,  $-20^{\circ}\text{C}$  Deep Freezer, Microscope with CCTV, Shaker Incubator, CO<sub>2</sub> Incubator, Anaerobic Chamber, both horizontal and vertical laminar, Plant Tissue Culture lab, etc to name a few, for imparting high quality laboratory exposure and hands-on training to the students. Consequently invariably our students are selected for in course training programmes in leading laboratories, institutes and industry in the country.



Automatic Tissue Processor



Seed Germinator



Desktop Fermentor



HPLC Apparatus



Dissolution Apparatus



Biochemistry Analyser



Fluorescent Microscope



Isokinetic Testing & Rehabilitation System



Kjelball Distillation Plant



Cooling Centrifuge



Application of PCR



Microtome

# Admission



**Shri Chanchal Goel**  
Chief Admission Officer

## Policy & Procedure

The candidates who fulfill the prescribed eligibility criterion for the programme opted for are selected by the admission cell of the Institute purely on merit basis and the interview conducted for the purpose. Eligibility concessions, if any, are as per the HNB Garhwal Central University rules and regulations.

On being cleared by admission cell, the student has to deposit the registration fee of Rs. 15000/- for reserving his/her seat. Applicants can pay either by bank D.D. in favour of Principal, Dolphin (PG) Institute of Biomedical & Natural Sciences, payable at Dehra Dun or by cash/ cheque/ online. First installment of Tuition fee will have to be deposited positively in the Institute within 15 days of registration. The Hostel fee, when admissible can be paid at the time of reporting also.

The newly admitted students must bring their original mark sheets and relevant pass certificates along with 3 sets of self-attested photocopies of the same and 04 passport size photographs at the time of reporting. Also, they must bring photocopy of Photo ID and address proof, preferably Aadhar (PAN Card/ Voter ID Card/ Aadhar/ DL).

Fee is non-refundable. Details of the fee structure and terms & conditions are provided in Annexure-1 in the prospectus.

## Rules and Regulations

It is understood that any student who takes admission in the Institute has thoroughly read all relevant information contained in the prospectus and he is bound by the prevalent rules and regulations in the Institute. These shall be provided separately to every individual student in the form of a booklet at the time of reporting.

The students must go through them thoroughly.

However, no excuse will be acceptable from any student with regard to ignorance of these rules and regulations.

Some of the salient points are as below:

1. Once admitted to the Institute every student is bound by the disciplinary rules of the institute.
2. Principal is the final authority to implement all rules and regulations as laid down and every student is expected to follow them as per the Principal's directives.
3. The Principal may exercise these powers directly or through delegation of authority through a Disciplinary Action Committee, which is chaired by the Principal.
4. Decision taken by the Disciplinary Action Committee with regard to his or her act of misconduct will be binding on concerned student of the Institute.
5. Every student has to fulfill the minimum attendance requirement in theory and practical classes as specified by the affiliating university i.e. HNB Garhwal Central University, Srinagar.
6. No student will absent him or herself from any lectures without obtaining prior permission from the competent authority.
7. Admission of a student will stand cancelled in case of failure to attend the classes for fifteen or more days without permission.
8. Wearing of proper uniform and carrying the identity card is compulsory.
9. Application form for admission, fee structure and list of documents required at the time of admission are enclosed in Annexures 1-3 in the prospectus.

## Admission Coordinators



**Dr. Tohir Nazir**



**Mr. Rajesh K. Jha**



**Admission Team**

## Location

Institute is conveniently located adjoining Dehra Dun - Chakrata Road. Distances from important destinations are indicated below :

Jolly Grant Airport (Dehra Dun)	:	40 km
Dehra Dun Railway Station	:	15 km
Dehra Dun ISBT	:	20 km
Delhi	:	250 km
Haridwar	:	60 km
Chandigarh	:	170 km
Paonta Sahib	:	35 km

### Important notes:

1. Applicant should read carefully the rules and regulations of the institute at the time of taking admission.
2. Once a seat has been allotted to an applicant, liability of paying full course fee is on him / her under all circumstances.
3. Applicant should carefully go through the fee structure and payment schedule for the course of interest.
4. H.N.B. Garhwal Central University, Srinagar prepares the course structure, curriculum duration, syllabus and examination schedule. Any change in these by the University will be applicable.
5. All disputes are subject to Dehra Dun jurisdiction only, irrespective of the place of residence of the applicant.



# Our Recruiters

- Tirupati Medicare
- IPCA Laboratories Ltd.
- ITC Ltd.
- Superchem Nutri Formulations
- Troikaa Ltd.
- Mankind
- Akums Drugs & Pharma. Ltd.
- Jubilant Generics
- Innodata
- India Glycols Ltd.
- Windlas Healthcare Ltd.
- Themis Medicare
- Torrent Pharma Ltd.
- Macleods Pharmaceuticals Ltd.
- Max Healthcare Hospital
- Roche Diagnostics Ltd.
- Intas Pharmaceuticals Ltd.
- Procter & Gamble
- Patanjali
- Cipla
- Rusan Pharma
- Sidmak Laboratoris Ltd. India
- Avon Ltd.
- Marico Ltd.
- GMP Pharmaceuticals Ltd.
- Dr.Reddy's
- Hindustan Unilever
- Zeon Lifesciences Ltd.
- Fresenius Kabi Oncology
- Flex Food Ltd.
- East African Overseas Ltd.
- Nectar Life Sciences Ltd.
- Planet Herbs Lfe Sciences Ltd.
- Windlas Biotech Ltd.
- Suncare Formulations Pvt.Ltd.



## DOLPHIN INSTITUTE



## ROUTE MAP



## Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehra Dun

Affiliated to H.N.B. Garhwal Central University, Srinagar (NAAC Accredited A Grade University), IAP Recognised

### Campus :

Manduwala, Chakrata Road,  
Dehra Dun-248007, (Uttarakhand)  
Cell : + 91 9927800045, 46, 47,  
+91 9568004547, 57

### New Delhi Office:

J-3/316, DDA flats,  
Kalkaji,  
New Delhi

### Srinagar Office :

Opp. Sir Syed Gate  
Kashmir University  
Near Teshil Office, Hazari Bag  
Srinagar, Kashmir  
Cell: + 91 9796525856

### Nepal Office :

Opp. Shani Mandir  
Dharan Road,  
Biratnagar, Nepal  
Cell : +977 9810427999  
+977 9804929444

Website: [www.dolphininstitute.in](http://www.dolphininstitute.in), E-mail: [mail@dolphininstitute.in](mailto:mail@dolphininstitute.in)

Prospectus can be procured from the above offices