



**DOLPHIN (PG) INSTITUTE**  
**Of Biomedical & Natural Sciences**  
*An Autonomous College*

**honours beyond education**

**PROSPECTUS**  
**2024 - 2025**



**affiliations & accreditations**  
*Standard. Quality. Assurance.*

**AFFILIATED TO**

**H.N.B. GARHWAL  
CENTRAL UNIVERSITY**

**RECOGNIZED BY**

**UNIVERSITY GRANTS  
COMMISSION U.G.C.  
U/S. 2(f)**

**ACCREDITED BY**

**NAAC  
B++ (2nd Cycle)**

**APPROVED BY**

**GOVERNMENT OF  
UTTARAKHAND,  
IAP & NCTE**

**RECOGNIZED BY**

**UTTARAKHAND  
PARAMEDICAL  
COUNCIL**

**RECOGNIZED AS**

**NPTTEL LOCAL CHAPTER  
BY IIT MADRAS.**

# VISION

Lead the youth on a journey of knowledge and innovation, along with cultivating a sense of responsibility, perseverance, integrity and fellowship to fortify society on a global scale.



# MISSION

Steadfastly delivering holistic and ethical development of students with education. Focusing on learning inside the classroom, and beyond, by nurturing qualities of leadership, teamwork, self-agency and ingenuity in all the lives we touch.

## CORE VALUES

With encouragement and enthusiasm in each tireless, dedicated step into a future that embodies the institute's novel motto of "Honours Beyond Education".

## GOALS & OBJECTIVES

Achieving excellence with a balance of academic aptitude, vocational skills and extracurricular indulgence.  
Promoting a process of life-long learning through implementation of NEP 2020.  
Enriching and reforming the curriculum according to industry demands with counsel of distinguished experts and academics.

Providing and promoting opportunities to disadvantaged sectors and minorities of the society through numerous scholarships.  
Inculcating humane values and ethics on all accounts through outreach programmes.  
Minimizing environmental impacts due to the institute's activities, and, using available resources optimally, to advance sustainability.

"The pen is mightier than the sword."

I am truly humbled to be the Chairman of Dolphin (P.G.) Institute, where education and culture comes alive in a splendid symphony. I am of the opinion that any country's future rests in the hands of its youth. Quality education is an essential element in that, be it inside a classroom or beyond. I count myself blessed, that I can do my part in making a space that encourages all-rounded growth of every student, by the medium of this institute. Instilling values of honour, dedication, perseverance, competence and fellowship amongst all students has been a great privilege. I am committed to an ever-forward path in strengthening our education system. After achieving autonomous status (granted by U.G.C. and H.N.B.G.U.) and introduction of NEP 2020 from academic year 2024, I hope to build an even more inclusive, flexible and empowering campus for our students. I believe that enabling students to create unique curriculums tailored to their interests and passions to enhance their vocational and life skills will make our youth emerge as leaders in the global community. It is my greatest ambition to lift up the pen that represents - edification, learning, growth, and solidarity - for a promising future filled with peace, light and prosperity. I extend my thanks, to all marvellous faculty members and to our wonderful students along with the most admirable troop of parents. All of you collectively make the very backbone of this vibrant institute. May our drive and zeal lead us all towards great success.



C.A. Arvind Gupta  
Chairman of Dolphin (PG) Institute

## FROM THE CHAIRMAN'S DESK

As an undisputed leader in the educational sphere of biomedical, paramedical, natural and allied sciences, Dolphin (PG) Institute of Biomedical & Natural Sciences – An Autonomous College, located in the scenic city of Dehradun, has played a distinguished role in enhancing the academic structure of Uttarakhand state, since its establishment in the year 2002.

Conferment of Autonomous Status; yet again confirms the dedication of this institute in providing & promoting holistic higher education. Studying at Dolphin (PG) Institute promises widespread exciting opportunities in all academic aspects, including assured positive job avenues in diverse fields. Dolphin (PG) Institute is led by a vision of delivering most relevant curriculums with consultation of national and global industry experts. It is achieved by a commitment to conducting quality teaching-learning practices with a personalized and student centric approach. The emphasis is placed on education; by not only productive lectures or laboratory work, but also engaging fieldwork and extensive extracurricular activities. An all-rounded nurturing for students' holistic growth to gift them with an extra edge is the ultimate goal of DIBNS.

I am confident that this institute will live up to all expectations, hence succeeding in winning the confidence of students, parents, and other stakeholders alike. I hope that DIBNS prospers and continues to set higher standards in the global educational sphere.

I extend my best wishes to all imminent professionals and committed members of The Dolphin Family.



Adv. Prateek Garg  
Vice President - Dolfin Educational Society of India

## FROM THE VICE PRESIDENT'S DESK

Dear prospective students,

At the very outset, I would like to thank you for showing your interest and reaching out to us at DIBNS through our various platforms.

The Institute since its inception in 2002 has strived for excellence, focusing on ever evolving and soaring standards in the field of education. It gives me immense pleasure to have you with us, as we continue on our remarkable journey. Looking back at the past years there is so much to proudly celebrate. We have been extremely successful in all avenues of academic, sports and cultural life. Our students have consistently attained topmost positions in university ranks. They also perpetuate the tradition of outstanding performance in extracurricular and sporting events as they collect laurels at the National, State, Regional & University levels year after year.

DIBNS became Uttarakhand's first Autonomous College affiliated to a Central University, this year. We are prepared to implement NEP 2020 and all its benefits, offering a wide range of academic programmes with student centric curriculum for their holistic development. We are proud to boast high quality teaching-learning environment in smart classrooms and extensively equipped laboratories. With enriching conferences, seminars, guest lectures, workshops focused on vocational skill & ability building, internships, field experiences, research opportunities, entrepreneurship skills development programmes, industry orientation and much more – we continuously strive to achieve our motto of 'Honours Beyond Education'.

I once again welcome you all at DIBNS, with the assurance of a nurturing and conducive environment that will prepare you to flourish into empowered and sensitive human beings, ready to take on the challenges and opportunities that life presents you. Let DIBNS be the best platform to accomplish all your dreams!



Prof. (Dr.) Shailja Pant  
Principal of Dolphin (PG) Institute

## FROM THE PRINCIPAL'S DESK

Uttarakhand's  
*first\**

# AUTONOMOUS INSTITUTE

You are welcomed to a 1-stop NEP Powered destination, promising an ever-evolving and customizable curriculum with numerous add-on courses, extensive extra-curricular events and pensive examinations, with fair and timely evaluations, and declaration of results. All conducted and regulated by the college itself. With everything packaged neatly within an engaging, time efficient academic calendar.

**And the bow on top is your degree, awarded on successful completion by the affiliating central university (H.N.B. Garhwal University - A Central University).**

We, as an autonomous institute, are only committed to YOU. The aim is focused on your holistic development and employability. The standard is set in sky by our accountability to U.G.C. and H.N.B.G.U. guidelines. The operation is thriving with dedication to help you achieve your greatest potential.



# COMMITMENT TO OUR AUTONOMY

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Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun, has been conferred with the Autonomous Status by University Grants Commission (UGC), vide its letter No. F.2-10/2023(AC-Policy) dated 13/11/2023.

Our Parent University, Hemwati Nandan Bahuguna Garhwal University (A Central University) has also notified the conferment of the autonomous status, vide Notification No. HNBSGU/Affiliation/2024/475 dated 18-3-2023.

## – WE HEREBY COMMIT TO –

1. Implementing autonomy in different aspects and affairs of the college through transparent and consultative process.
2. Recognizing autonomy as an opportunity to review, reform, and reorient our teaching process. We believe that our distinctive democratic, liberal, secular, cosmopolitan, and humanitarian ethos will provide the most conducive ambience for autonomy to flourish, grow and bears ample fruits.
3. Credibility of an autonomous institute depends on the credibility of its evaluation and assessment procedure through fair examination system. We will evolve a procedure of examination and evaluations that strikes a balance between every aspect of a student's class learning and skill development through a continuous and consistent process.
4. Accepting the standards established and communicated by Parent University regarding conduct of study programs and conferment of Degrees.
5. Fulfilling and going beyond the minimum standards prescribed by the Parent University/UGC/Statutory Councils in terms of teaching hours, curricular content, and its quality & shall inform the Parent University accordingly.
6. Always facilitating the visit of University Expert Team for the purpose of maintenance of standards of academic excellence.
7. Time bound schedule for assessments/examination and notification of the result.
8. Abiding by all provisions of UGC Regulations for Autonomous Colleges.

We recognize this great opportunity as a boon for the students enrolled with us, as we will no longer be bound to teach a syllabus format which doesn't precisely meet the prevailing ever-evolving industry requirements. It is undeniable that a longer chain of command and approval for necessary changes at various stages will always lead to precious time lost by the students; however this gap is now bridged. We will provide student centric wide choices of programmes with freedom to design personal curriculum as per the needs of the job market.

We will now freely be able to curate and design the syllabus which not only meet the minimum required standards set by the different statutory bodies in India as well as the State but also go beyond the limits prescribed and bring necessary and adequate changes to the teaching methodology and the syllabus helping our students to accept and achieve any challenges confidently which they will face during and even after the completion of their programme.

Our mode of examination and marking schemes will also be made in a way which will make sure the students are engrossed in their education, learning various aspects of the skills development their program has to offer.

Power of Autonomy if used earnestly and in consonance with the concerned regulations and notifications will lead to an environment benefitting all the stake holders and ultimately contribute to the Nation's economy.

#say NO to RAGGING  
say YES to FELLOWSHIP



## WE STAND **AGAINST RAGGING**

Fellowship is cultured within communities through mutual respect and gratitude. These very values are undermined by the practice of ragging. The Dolphin (P.G.) Institute believes in strengthening society by encouraging healthy fellowship between all our students. Ragging remains a disturbing reality for many in Higher Educational Institutes; we recognize that ragging can psychologically and physically cause students serious, sometimes fatal, harm. It is a detriment to students' flourishing growth as individuals and as a group. *We aim to eradicate this repulsive practice from the campus and have zero tolerance for any form of ragging and are committed to keeping the D.I.B.N.S. campus ragging-free, with the help of our Anti-Ragging Cell. Anyone found to be guilty of ragging will face strict disciplinary action and will be liable for legal actions as per the Law of the Land.*

### ANTI RAGGING CELL (ARC) MEMBERS

Dr. Shailja Pant [Principal]

Mr. V.K. Nagpal [Director Admin.]

Dr. Shruti Sharma [IQAC Coordinator]

Dr. Ashok Kumar Singh [Chief Proctor]

Mr. Vipul Garg [Dean, DSWC]

Mr. Sudhir Bharti [Sr. Administrative Officer]

Mr. Narendra Singh Bisht [Sub Inspector, Police Chowki - Jhajra]

Mr. Aftab Azmat [Senior Journalist, AmarUjala]

Adv. Maneesh Juyal [Lawyer]



WE STAND

# AGAINST SEXUAL HARASSMENT

Sexual Harassment is an attack on a person's fundamental rights. It is a reprehensible offense that leaves deep emotional, psychological, and physical scars on its victims/survivors. Any form of sexual harassment, anywhere - online, workplace, on the college campus, in public space, or residential quarters - is inexcusable. Every individual & organization bears a responsibility to band together for the eradication of this crime.

At DIBNS we strive to build an environment where everyone, irrespective of their gender, is equally valued and respected — a place where people can operate without the fear, indignity, and harm that sexual harassment brings.

*We have a zero-tolerance policy for any hint of sexual harassment against anyone, enforced by our Internal Complaints Committee (ICC). Perpetrators of this crime will face strict disciplinary actions and are liable for legal actions as per the Law of the Land.*

**#** AUTONOMY & DIGNITY ARE FUNDAMENTAL RIGHTS!



Dr. Shruti Sharma [Chairperson]

Dr. Gyanendra Awasthi [Member]

Mr. Vipul Garg [Member]

Dr. Beena Joshi Bhatt [Member]

Dr. Sandhya Goswami [Member]

Dr. Himani Dangwal [Member]

INTERNAL COMPLAINTS COMMITTEE MEMBERS

WE  
STAND

# AGAINST NARCOTICS

Narcotic use and dependency, in our country has been an area of major concern, which has sparked a nation-wide movement against narcotics. Dolphin (P.G.) Institute is committed to do our part in this battle. Narcotics use has been proven to negatively affect academic, social, psychological, economical and physiological development, and can often be fatal. Hence, *it is strictly prohibited to use any narcotics by any representative of our institute. Students who are found to be using/selling/encouraging drug use are subject to strict disciplinary actions, including mandatory counseling sessions, and are liable for legal actions as per the Law of the Land.*

#The Cost WON'T Justify The Reward

ANTI NARCOTIC CELL (ANC) MEMBERS

Mr. V.K. Nagpal [Convener]

Mr. Pankaj Gussain [Member Secretary]

Mr. Vipul Garg [Member]

Mr. Sudhir Bharti [Member]

All Class Coordinators [Members]



# admission procedure

For U.G. & P.G. Programmes

## **APPLICATION PROCESS**

An online application form for admission will be made available on the Institute's website. Applicants must fill out the form, upload their signature and photo, and submit the form online. Students can contact our expert admission counselors in case of any query.

## **SUBMISSION OF DOCUMENTS**

After submitting the online application, students must submit a printed copy of the following to the Admission Cell -

1. Admission form with their and their parent's signatures on it.
2. Prescribed documents and testimonials.
3. UG-CUET Scorecard for admission in UG Programme.
4. PG-CUET Scorecard or University Entrance Examination Scorecard for admission in PG Programme.

## **MERIT LIST AND COUNSELING**

The first merit list will be declared based on the CUET scores or University Entrance Examination scores of the applicants. If seats remain vacant after the first counseling, the next list will be prepared based on the scores of the last examination as per the eligibility of the programme as described in the ordinance.

For seats still vacant after the second counseling, admission will be granted on a first-come, first-served basis for eligible candidates.

## **PLEASE NOTE**

- \* The admission process is considered complete only after the payment of fees for the programme allotted by the admitting authority within the prescribed time frame.
- \* Admission of foreign nationals/NRI students will be granted as per the guidelines of the Parent University.
- \* Merit lists will be prepared according to Point No. 3 of the admission policy.
- \* Weightage will be given to holders of NSS / NCC / Sports certificates as per the rules and guidelines of the parent university.
- \* Document verification will be done at the time of admission. If the documents are found to be inconsistent with the information provided online, the name in the merit list will be canceled.

# Fees Structure

#no\_hidden\_fee

## BASIC & ALLIED SCIENCES

B.Sc. (Hons./ Hons. with Research) BIOTECHNOLOGY	30,000/-
M.Sc. BIOTECHNOLOGY	45,000/-
B.Sc. (Hons./ Hons. with Research) MICROBIOLOGY	30,000/-
M.Sc. MICROBIOLOGY	45,000/-
B.Sc. (Hons./ Hons. with Research) BOTANY	30,000/-
M.Sc. BOTANY	30,000/-
B.Sc. (Hons./ Hons. with Research) ZOOLOGY	30,000/-
M.Sc. ZOOLOGY	30,000/-
B.Sc. (Hons./ Hons. with Research) PHYSICS	30,000/-
M.Sc. PHYSICS	30,000/-
B.Sc. (Hons./ Hons. with Research) CHEMISTRY	30,000/-
M.Sc. CHEMISTRY	30,000/-
B.Sc. (Hons./ Hons. with Research) PSYCHOLOGY	30,000/-
M.Sc. PHARMACEUTICAL CHEMISTRY	40,000/-
M.Sc. BIOCHEMISTRY	35,000/-

## PARAMEDICAL & PHYSIOTHERAPY SCI.

B.Sc. (Hons.) MEDICAL LAB TECHNOLOGY	35,000/-
M.Sc. MEDICAL LAB TECHNOLOGY	35,000/-
B.Sc. (Hons.) MEDICAL MICROBIOLOGY	35,000/-
B.Sc. (Hons.) MEDICAL RADIO-IMAGING TECHNOLOGY	35,000/-
B.Sc. (Hons.) OPERATION THEATRE TECHNOLOGY	35,000/-
Bachelor of PHYSIOTHERAPY	45,000/-
Master of PHYSIOTHERAPY (Ortho./Neuro./Sports)	45,000/-

## NATURAL SCIENCES

B.Sc. (Hons.) AGRICULTURE	40,000/-
M.Sc. AGRONOMY	45,000/-
M.Sc. (Ag.) PLANT PATHOLOGY	40,000/-
M.Sc. (Ag.) ENTOMOLOGY	40,000/-
B.Sc. (Hons.) HORTICULTURE	40,000/-
M.Sc. (Ag.) HORTICULTURE	40,000/-
B.Sc. (Hons.) FORESTRY	40,000/-
M.Sc. FORESTRY	40,000/-

## COMMERCE

B.Com. (Hons./ Hons. with Research)	22,500/-
M.Com.	25,000/-

## EDUCATION

B.Ed.	25,000/-
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FEE PER SEMESTER (IN RS.)

Different Scholarship Schemes are available, for details please visit - [www.dolphininstitute.in](http://www.dolphininstitute.in)

Tuition Fee/Hostel Fee subject to revision by 7.5% every year.

Schedule for payment of tuition fee, hostel, mess fee & laundry charges :  
1<sup>st</sup> Installment by 7<sup>th</sup> June & 2<sup>nd</sup> Installment by 7<sup>th</sup> December.

No separate intimation/reminder will be sent for depositing the fee, any delay in depositing fee would carry a late fee fine.

# Fees Structure

#no\_hidden\_fee

## CERTIFICATE COURSES

Certified Professional Accountant.	48,000/-
Certification on Good Manufacturing Practice in Pharma and Food Industry.	20,000/-
Professional Certification in Industrial Management and Relation.	20,000/-
Certificate Course in Yoga Science for Wellness.	10,000/-
Certification on Aquarium Fish Keeping and Maintenance.	15,000/-
Certification on Natural Organic Farming.	20,000/-
Certification on Eco-Tourism.	20,000/-
Certification on Landscaping and Nursery Management.	20,000/-
Food Safety Training and Certification.	20,000/-
Certification on Science Communication and Journalism.	20,000/-

COURSE FEE (IN RS.)

## OTHER FEE

University Enrollment Fee - as per University norms.

Examination Fee Rs. 6,000/- per sem. | Library Fee Rs. 500/- per sem. | Sports Fee Rs. 250/- per sem.

Dolphin Students Welfare Council (DSWC) Fee Rs. 500/- per sem.

Accidental Insurance Hospitalization Premium for max. Rs. 1 Lac IPD @ Rs. 200/- per annum.

Project Fee: Rs. 7,000/- for dissertation of post graduate students, to be paid at the beginning of fourth semester.

Security: Rs. 2,500/- (refundable after successful completion of course).

## OPTIONAL FEE

Hostel Fee Rs. 85,000/- per year.

Transportation charges at actual rates depending upon distance covered.

## ONE-TIME FEE

Processing Fee Rs. 5,000/- (Non Refundable).

Registration Fee Rs. 10,000/-

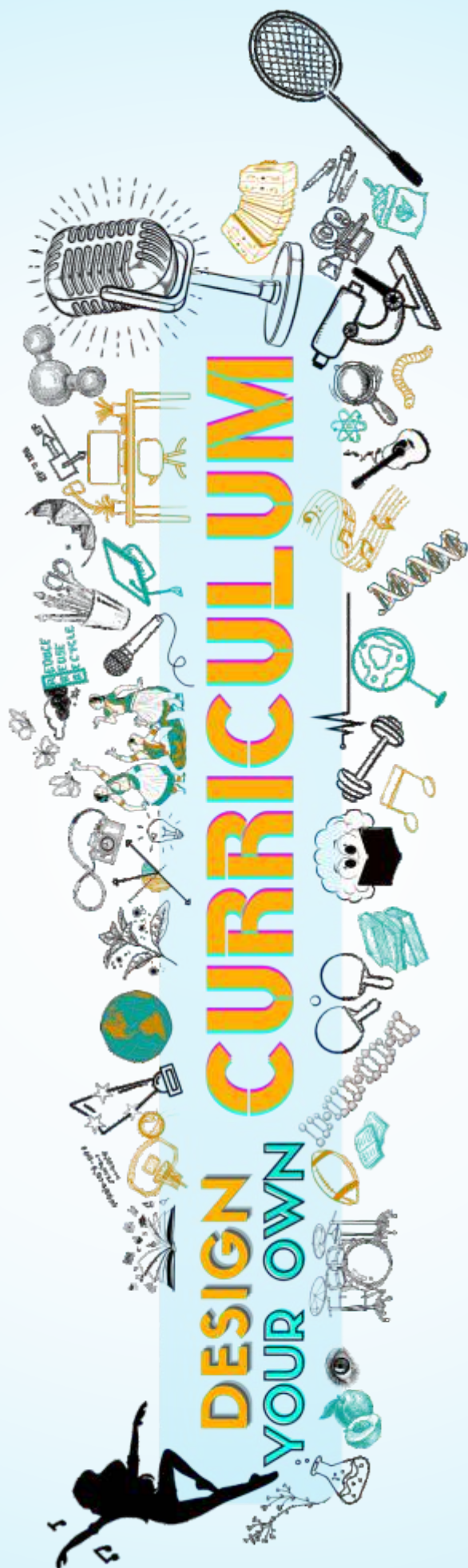
## REFUNDS

(as per UGC guideline)

Category	Percentage of Refund of fees*	Point of time when notice of withdrawal of admission is received in the HEI
01	100%	15 days or more before the formally notified last date of admission
02	90%	Less than 15 days before the formally notified last date of admission
03	80%	15 days or less after the formally notified last date of admission
04	50%	30 days or less, but more than 15 days after formally notified last date of admission
05	00%	More than 30 days after formally notified last date of admission

### Please Note :

- To claim a refund on tuition fees, a formal application must be submitted in-person to the mailed/ Principal Office.
- Refunds will be processed through banking services. No refund will be approved by means of cash.
- All approved refunds will be processed within 30 working days.



“ **DESIGN MY OWN CURRICULUM**  
So, what does that even mean? How will I do that? I thought that syllabus for any higher education course is fixed, isn't it? ”

Well that is true, but this isn't about syllabus, it's about your curriculum – everything you might want to study so that it aids your growth.

You can add multiple subjects to enhance your skills, understanding, values and much more! So instead of just one core subject (say - Biotechnology), you can design your curriculum to include additional subjects like genetics, modern languages, bioethics and bio-safety, and even photography or sports.

All governed by a system of academic credits that will be deposited in your account at the **ACADEMIC BANK OF CREDITS (ABC)** for all courses and extracurricular activities you engage in. You are also able to utilize the Multiple Entries and Multiple Exits (ME-ME) system so as to traverse your academic journey at your own pace!

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**ALL YOU DO TO ENRICH YOURSELF COUNTS;  
WITH AN NEP 2020 POWERED COLLEGE.**

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For even more details you can read an extended summary of NEP 2020 on our website. Please refer to curriculum framework of the programme you are interested in, available on our website, for the detailed credits and credit-hour breakdown. You can reach out to DIBNS if you have any further enquiries.

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# UNDERSTANDING DIFFERENT COURSE TYPES

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## **CORE/MAJOR COURSES**

Your main area/programme of academic interest and study, for e.g. – Biotechnology. Courses, here, basically means a unit of the programme, like molecular biology and genetics and units studied in Biotechnology

## **MINOR COURSES**

To help you broaden your understanding of the major course itself, for e.g. – With Biotechnology, you can opt for Enzymology, Biophysics, etc.

## **VOCATIONAL COURSES**

To explore additional job opportunities, different to your main occupation, by introducing you to courses on – Documentary film making, mobile app development, make-up artistry, event management, tally accounting, painting, choreography, creative writing, etc.

## **MULTIDISCIPLINARY COURSES**

A subject that you have not studied in school, but want to learn its fundamentals for an enhanced intellectual experience. Say – basic concepts in lab techniques, web designing, e-commerce, etc.

## **VOCATIONAL COURSES**

To explore additional job opportunities, different to your main occupation, by introducing you to courses on – Documentary film making, mobile app development, make-up artistry, event management, tally accounting, painting, choreography, creative writing, etc.

## **ABILITY ENHANCEMENT COURSES (AEC)**

Mainly to focus on increasing your communication skills for better work efficiency, for e.g. – study of English, French, German or Spanish. Although it also can includes subjects like Personality Development.

## **SKILL ENHANCEMENT COURSES (SEC)**

To help you gain additional skills in the field of your choice, for better employability, for e.g. – Stress Management, Basics of Internet, Radiation safety, etc.

## **VALUE ADDED COURSES (VAC)**

To enhance your social values, fitness and global awareness, for e.g. – courses on Yoga Education, History of Science, Cloud Computing, Financial Literacy, First-Aid and Happiness.

## **RESEARCH PROJECT/DISSERTATION**

In 7<sup>th</sup> and 8<sup>th</sup> semesters, to obtain a Bachelor's Honours with Research Degree, you can choose to conduct a research study under the guidance of a faculty member.

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## KEY FEATURES

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All academic/extracurricular work is measured by **CREDITS**. You can earn credits by: fulfilling minimum required engagement hours **AND** passing your semester/yearly examinations. Also, your percentage does not determine the number of credits or whether you will get the credits. Percentage of marks you achieve in examinations only determines your overall grade.

**1 SEMESTER** = minimum 90 working days OR 15 weeks (6 days per week of course-work) & **1 SUMMER TERM/INTERNSHIP** = 8 weeks during summer vacation.

**ME-ME** = you can leave and rejoin your course anytime you like! You get ample time of total 7 years to complete the full duration of the programme.

On acquiring designated minimum credits, you get awarded a **CERTIFICATE** if you exit after completing 1st year. A **DIPLOMA** if you exit after completing 2nd year. A **BACHELOR DEGREE** if you exit after completing 3rd year. A **BACHELOR'S HONOURS DEGREE** or a **BACHELOR'S HONOURS with RESEARCH DEGREE** after completion of 4th year.

You can **SWITCH YOUR MAJOR** within the broad discipline, by end of 2nd semester (e.g. – from biotechnology to botany under life sciences). You also get ample time to explore additional courses throughout your academic journey.

At Dolphin Institute, you will be able to take up **MOOCs (MASSIVE OPEN ONLINE COURSES)** up to a permissible limit to earn credits, if you choose, in place of choosing courses from the pre-existing DIBNS pool.



# Programmes offered

## Basic & Allied Sciences

**B.Sc. (Hons./ Hons. with Research) BIOTECHNOLOGY**

**M.Sc. BIOTECHNOLOGY**

**B.Sc. (Hons./ Hons. with Research) MICROBIOLOGY**

**M.Sc. MICROBIOLOGY**

**B.Sc. (Hons./ Hons. with Research) BOTANY**

**M.Sc. BOTANY**

**B.Sc. (Hons./ Hons. with Research) ZOOLOGY**

**M.Sc. ZOOLOGY**

**B.Sc. (Hons./ Hons. with Research) PHYSICS**

**M.Sc. PHYSICS**

**B.Sc. (Hons./ Hons. with Research) CHEMISTRY**

**M.Sc. CHEMISTRY**

**B.Sc. (Hons./ Hons. with Research) FOOD TECHNOLOGY**

**B.Sc. (Hons./ Hons. with Research) PSYCHOLOGY**

**M.Sc. PHARMACEUTICAL CHEMISTRY**

**M.Sc. BIOCHEMISTRY**

## Paramedical Sciences

**B.Sc. (Hons.) MEDICAL LAB TECHNOLOGY**

**M.Sc. MEDICAL LAB TECHNOLOGY**

**B.Sc. (Hons.) MEDICAL MICROBIOLOGY**

**B.Sc. (Hons.) MEDICAL RADIO-IMAGING TECHNOLOGY**

**B.Sc. (Hons.) OPERATION THEATRE TECHNOLOGY**

## Physiotherapy Sciences

**Bachelor of PHYSIOTHERAPY**

**Master of PHYSIOTHERAPY (Ortho./Neuro./Sports)**

## Certificate Courses

**Certified Professional Accountant.**

**12 months**

**Certification on Good Manufacturing Practice in Pharma and Food Industry.**

**6 months**

**Professional Certification in Industrial Management and Relation.**

**6 months**

**Certificate Course in Yoga Science for Wellness.**

**4 months**

**Certification on Aquarium Fish Keeping and Maintenance.**

**3 months**

**Certification on Natural Organic Farming.**

**6 months**

**Certification on Eco-Tourism.**

**6 months**

**Certification on Landscaping and Nursery Management.**

**6 months**

**Food Safety Training and Certification.**

**6 months**

**Certification on Science Communication and Journalism.**

**6 months**

# Programmes offered

## Natural Sciences

**B.Sc. (Hons.) AGRICULTURE**  
**M.Sc. AGRONOMY**  
**M.Sc. (Ag.) PLANT PATHOLOGY**  
**M.Sc. (Ag.) ENTOMOLOGY**  
**B.Sc. (Hons.) HORTICULTURE**  
**M.Sc. HORTICULTURE**  
**B.Sc. (Hons.) FORESTRY**  
**M.Sc. FORESTRY**  
**B.Sc. (Hons.) FISHERIES SCIENCE**

## Computer Sciences

**B.Sc. (Hons./ Hons. with Research)**  
**COMPUTER SCIENCE**  
**B.Sc. (Hons./ Hons. with Research)**  
**INFORMATION TECHNOLOGY**

## Commerce

**B.Com. (Hons./ Hons. with Research)**  
**M.Com.**

## Education

**B.Ed.**

### Please Note :

1. ALL PROGRAMMES FOLLOW SEMESTER SYSTEM.
2. MINIMUM 1,200 CREDIT-HOURS MUST BE COMPLETED PER ACADEMIC YEAR TO QUALIFY FOR THE NEXT YEAR.
3. STUDENTS BELOW THE AGE OF 17 ARE NOT ELIGIBLE FOR ADMISSION IN ANY U.G./P.G. PROGRAMME.

“  
Honours  
Beyond  
Education  
”



All programmes provide choice-based courses that allow students to prepare for diverse careers path. Syllabus OUTLINE given below enlists the main content/major courses of that programme. Minor/Vocational Courses differ for each subject, please refer to our website or download the course brochure for more information. Refer to the DIBNS course pool for listing of MDCs, AECs, VACs, & SECs.

## BASIC & ALLIED SCIENCES

### B.Sc. (Hons./ Hons. with Research) BIOTECHNOLOGY

**DURATION :** 4 years  
(ME-ME)  
**ELIGIBILITY :** 12th PCB or  
PCM or equivalent from  
any state board/university  
with 45% marks.  
**SEATS :** 30

**SYLLABUS OUTLINE :** Cell Biology & Genetics,  
Biochemistry & Metabolism, Environmental Science,  
Analytical Biological tools & Techniques, Cell & Tissue  
Culture, Microbiology, Immunology, Recombinant DNA  
Technology, Molecular Biology, IPR, Bio-Ethics, Bio-  
Safety, Bioinformatics, Chemistry, Botany, Zoology,  
Microbiology, & Food Tech.

### M.Sc. BIOTECHNOLOGY

**DURATION :** 2 years  
(ME-ME)  
**ELIGIBILITY :** B.Sc. with  
CBZ or any other  
equivalent degree with  
minimum 50% marks.  
**SEATS :** 33

**SYLLABUS OUTLINE :** Cell & Molecular Biology, Bio-  
Analytical Techniques, Biochemistry, Biostatistics,  
Immunology, Microbiology, Microbial Genetics,  
Enzymology & Enzyme Technology, Cell & Tissue  
Culture, Recombinant DNA Technology, Bioinformatics,  
Environmental Biotechnology, Fermentation &  
Bioprocess Technology, Research Methodology.

### B.Sc. (Hons./ Hons. with Research) MICROBIOLOGY

**DURATION :** 2 years  
(ME-ME)  
**ELIGIBILITY :** B.Sc. with  
CBZ or any other  
equivalent degree with  
minimum 50% marks.  
**SEATS :** 33

**SYLLABUS OUTLINE :** Cell & Molecular Biology, Bio-  
Analytical Techniques, Biochemistry, Biostatistics,  
Immunology, Microbiology, Microbial Genetics,  
Enzymology & Enzyme Technology, Cell & Tissue  
Culture, Recombinant DNA Technology, Bioinformatics,  
Environmental Biotechnology, Fermentation &  
Bioprocess Technology, Research Methodology.

### M.Sc. MICROBIOLOGY

**DURATION :** 2 years  
(ME-ME)  
**ELIGIBILITY :** B.Sc. with  
CBZ or any other  
equivalent degree with  
minimum 50% marks.  
**SEATS :** 33

**SYLLABUS OUTLINE :** Cell & Molecular Biology, Bio-  
Analytical Techniques, Biochemistry, Biostatistics,  
Immunology, Microbiology, Microbial Genetics,  
Enzymology & Enzyme Technology, Cell & Tissue  
Culture, Recombinant DNA Technology, Bioinformatics,  
Environmental Biotechnology, Fermentation &  
Bioprocess Technology, Research Methodology.

### B.Sc. (Hons./ Hons. with Research) BOTANY

**DURATION :** 4 years (ME-  
ME)  
**ELIGIBILITY :** 12th  
(PCB/PCM with Biology)  
or equivalent from any  
recognized board with  
minimum 45% marks.  
**SEATS :** 33

**SYLLABUS OUTLINE :** Diversity of Lower Plants,  
Microbiology & Plant Pathology, Plant Physiology &  
Metabolism, Basic Laboratory & Field Skills in Plant Biology,  
Taxonomy of Flowering Plants, Plant Genetics, Plant  
Breeding & Biostatistics, Plant Anatomy & Embryology,  
Economic Botany, Cell & Molecular Biology, Ethnobotany,  
Plant Ecology & Phytogeography, Comparative Studies of  
Cryptogams, Comparative Studies of Phanerogams, Plant  
Biotechnology, Research Methodology, Chemistry, Botany,  
Zoology, Microbiology, & Food Tech.

## M.Sc. BOTANY

**DURATION :** 2 years  
(ME-ME)

**ELIGIBILITY :** B.Sc.  
with CBZ with  
minimum 45%  
marks in aggregate.

**SEATS :** 30

**SYLLABUS OUTLINE :** Mycology & Microbiology, Phycology & Bryology, Pteridology, Gymnosperms & Palaeobotany, Taxonomy & Diversity of Flowering Plants, Plant Development & Reproductive Biology, Resource Utilization, IPR & Ethnobotany, Cytogenetics & Molecular Biology, Plant Breeding & Biostatistics, Plant Physiology & Biochemistry, Ecology & Remote Sensing, Forest Ecology, Plant Health Management, Conservation Biology, Biotechnology & Genetic Engineering of Plants & Microbes, Environment Management With Reference to Western Himalaya, Seed Pathology.

## B.Sc. (Hons./ Hons. with Research) ZOOLOGY

**DURATION :** 4 years  
(ME-ME)

**ELIGIBILITY :** 12th  
(PCB) or equivalent  
from any state board  
with 45% marks.

**SEATS :** 30

**SYLLABUS OUTLINE :** Taxonomy of Chordates & Non-Chordates; Cell & Molecular Biology; Principles of Genetics; Fundamentals of Biochemistry; Evolutionary Biology; Animal Behavior; Conservation Biology; Immunology; Toxicology; Life Sustaining Systems; Animal Biotechnology & Microbiology.

## M.Sc. ZOOLOGY

**DURATION :** 2 years  
(ME-ME)

**ELIGIBILITY :** B.Sc. with  
CBZ with minimum  
45% marks in  
aggregate.

**SEATS :** 40

**SYLLABUS OUTLINE :** Taxonomy, Animal Diversity: Nonchordata & Chordata, Evolution Biology, Developmental Biology, Fish Biology, Agriculture Entomology, Fishery Science, Methodology in Fishery Science, Entomology, Applied Entomology, Methodology in Entomology, Ecology, Wildlife, Parasitology, Genetics, Animal Physiology, Animal Behavior, instrumentation, Cell Biology, Molecular Biology, Toxicology, Elementary Biotechnology, Microbiology, Endocrinology, Biological Radiotracer Techniques, Biochemistry, Immunology, Computer Application & Biostatistics.

## B.Sc. (Hons./ Hons. with Research) PHYSICS

**DURATION :** 4 years  
(ME-ME)

**ELIGIBILITY :** 12th (PCM)  
or equivalent from any  
state board with 45%  
marks.

**SEATS :** 30

**SYLLABUS OUTLINE :** Mechanics & Properties of Matter; Wave & Oscillations; Thermodynamics; Optics; Electronics & Circuits; Classical Mechanics; Statistical Mechanics; Quantum Mechanics; Nuclear Physics; Electrodynamics; Computational Physics; Astrophysics.

## M.Sc. PHYSICS

**DURATION :** 2 years  
(ME-ME)

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

**SEATS :** 20

**SYLLABUS OUTLINE :** Mathematical Physics; Quantum Mechanics; Solid State Electronic Devices; Astrophysics & Electrodynamics; Solid State Physics; Statistical Mechanics; Advanced Quantum Mechanics; Physics of Nuclei & Particles; Atomic & Molecular Spectroscopy; Computational Physics.

## **B.Sc. (Hons./ Hons. with Research) CHEMISTRY**

**DURATION :** 4 years  
(ME-ME)  
**ELIGIBILITY :** 12th  
with chemistry as  
one of the subject  
from any state board  
with 45% marks.  
**SEATS :** 30

**SYLLABUS OUTLINE :** Atomic Structure, Chemical Bonding & General Organic Chemistry, Chemistry of 's' & 'p' Block Elements, Chemical Thermodynamics & Functional Organic Chemistry Aliphatic & Aromatic Hydrocarbons, Electrochemistry, Conductance & Solution, Quantum & Surface Chemistry, Chemistry of 'd' & 'f' Block Elements, States of Matter & Solid State Chemistry, Co-Ordination Chemistry, Stereochemistry & Reaction Mechanisms, Chemistry of Natural Products, Advance Organic Chemistry, General Principles of Metallurgy, Noble Gases & Acids & Bases, Chemical Equilibrium, Ionic Equilibrium, Phase Equilibrium & Chemical Kinetics.

## **M.Sc. CHEMISTRY**

**DURATION :** 2 years  
(ME-ME)  
**ELIGIBILITY :** B.Sc.  
with CBZ/ PCM with  
45% marks in  
aggregate.  
**SEATS :** 30

**SYLLABUS OUTLINE :** Coordination Chemistry, Advance Organic Chemistry, Quantum Chemistry & Group Theory, Elementary & Advance Spectroscopy, Organometallic Chemistry & Catalysis, Symmetry Controlled Reactions & Photochemistry, Electrochemistry & Equilibria, instrumental Analysis, Bio-inorganic, Bioorganic & Biophysical Chemistry, Bioactive Natural Products, Organic Reagents & Reactions, Chromatographic Technique, Solid State Chemistry Heterocyclic Compounds & Applications, Computational Chemistry, Environmental Sciences.

## **B.Sc. (Hons./ Hons. with Research) PSYCHOLOGY**

**DURATION :** 4 years  
(ME-ME)  
**ELIGIBILITY :** 12th or  
equivalent in any  
stream from any state  
board with 45% marks.  
**SEATS :** 30

**SYLLABUS OUTLINE :** Development of Psychological Thought; Basic Psychological Processes; Cognitive, Bio, Clinical, Social & Health Psychology; Counseling; Positive Psychology & Well Being; Psychology of Disability; Psychological Disorders; Rehabilitation Psychology.

## **M.Sc. PHARMA. CEMISTRY**

**DURATION :** 2 years  
(ME-ME)  
**ELIGIBILITY :**  
Bachelor's degree in  
any science course.  
**SEATS :** 27

**SYLLABUS OUTLINE :** Quantitative Chemical Analysis, Analytical Techniques, Pharmacology, Stereochemistry & Reaction Mechanisms, Food Chemistry & Adulteration, Drug Dosage & Delivery System, Advance Analytical Techniques, Medicinal Chemistry, Chemistry of Natural Products, Drug Regulatory Affairs, Drug Discovery Development, Herbal Drug Technology, Quality Assurance & Quality Control in Pharmaceuticals Project.

## **M.Sc. BIOCHEMISTRY**

**DURATION :** 2 years  
(ME-ME)  
**ELIGIBILITY :** B.Sc. in CBZ,  
PCM or any equivalent  
degree like Biotech.,  
MLT, Biochem.,  
Microbiology, Genetics,  
with minimum  
50% marks.  
**SEATS :** 30

**SYLLABUS OUTLINE :** Organic Chemistry, Biomolecules, Bioenergetics, intermediary Metabolism, Enzymology, Biochemical & Biophysical Techniques, Plant Biochemistry, Microbiology, Molecular Biology, Genetic Engineering, Clinical Biochemistry, Immunology, Biotechnology, Biostatistics, Bioinformatics.

**B.Sc. (Hons.)  
MEDICAL LAB  
TECHNOLOGY**

**DURATION :** 4 years  
**ELIGIBILITY :** 12th (PCB/PCM) or equivalent from any recognized state board or university with 45% marks.  
**SEATS :** 50

**SYLLABUS OUTLINE :** Human Anatomy & Physiology, Pathology, Medical Microbiology, Clinical Biochemistry, Clinical Hematology, Histopathology, Preventive Medicine & Health Care, Medical Mycology, Clinical Virology, Immuno-hematology, Blood Banking, Biostatistics, Computer & Lab informatics. After completion of 3rd Year; one year internship in a hospital or diagnostic lab is mandatory.

**M.Sc.  
MEDICAL LAB  
TECHNOLOGY**

**DURATION :** 2 years  
**ELIGIBILITY :** B.Sc. MLT or Medical Microbiology or Nursing, or M.Sc. in Biological Sciences with minimum 50% marks in aggregate.  
**SEATS :** 20

**SYLLABUS OUTLINE :** Good Laboratory Practice, Handling of Basic Laboratory Equipments, Clinical Pathology, Hematology, Blood Banking, Medical Microbiology, Diagnostic Serology, Clinical Biochemistry, Histopathology, Cytology, Clinical Virology, Clinical Parasitology, Clinical Mycology, Immunology, Hospital Management & Organization, Biostatistics & Computer Applications.

**B.Sc. (Hons.)  
MEDICAL  
MICROBIOLOGY**

**DURATION :** 4 years  
**ELIGIBILITY :** 12th (PCB/PCM) with 45% marks (bridge course of biology is compulsory in first semester for non-biology students).  
**SEATS :** 50

**SYLLABUS OUTLINE :** Human Anatomy & Physiology; Biochemistry; Clinical & Applied Microbiology; Parasitology; Medical Microbiology; Mycology; Clinical Virology; Immuno-hematology; Blood Banking; Preventative & Social Medicine; Sales, Marketing & Distribution. After completion of 3rd year; 6 months internship in a hospital is mandatory.

**B.Sc. (Hons.)  
MEDICAL  
RADIO-IMAGING  
TECHNOLOGY**

**DURATION :** 4 years  
**ELIGIBILITY :** 12th (PCB/PCM) with 45% marks (bridge course of biology is compulsory in first semester for non-biology students).  
**SEATS :** 30

**SYLLABUS OUTLINE :** Human Anatomy, Physiology; Preventive Medicine; Protection Against Radio Hazards; Basic Radio-Physics; Radiotherapy; Radio-Imaging; Paraclinical & Clinical Sciences Orientation; Equipments in Radio-Imaging; Radiological Procedures; Regional Radiography.

**B.Sc. (Hons.)  
OPERATION  
THEATRE  
TECHNOLOGY**

**DURATION :** 4 years  
**ELIGIBILITY :** 12th (PCB/PCM) with 45% marks (bridge course of biology is compulsory in first semester for non-biology students).  
**SEATS :** 30

**SYLLABUS OUTLINE :** Human Anatomy, Physiology; Principles & Techniques of Anesthesia; OT Technology; Basic Surgical Procedures; Para-Surgical Equipments; Basic intensive Care; Specialized Surgical Techniques; Advance Critical Care; CSSD Procedures.

## PHYSIOTHERAPY SCIENCES

### Bachelor of PHYSIOTHERAPY BPT

**DURATION :** 4 years +  
6 month internship

**ELIGIBILITY :** 10+2  
(PCB) or equivalent  
from a recognized  
board with a  
minimum of 50%  
marks.

**SEATS :** 80

**SYLLABUS OUTLINE :** Human Anatomy, Human Physiology, General, Psychology & Sociology, Biochemistry, Fundamentals of Exercise Therapy, Fundamentals of Electrotherapy, Actinotherapy, Biomechanics & Kinesiology, Pathology & Microbiology, Pharmacology, Clinical Orthopedics, Psychiatry & Neurosurgical Conditions, Clinical Cardiothoracic Diseases & Surgeries, General Medicine, General Surgery, P.T. in Orthopedics, P.T. in Cardiothoracic Diseases & Surgeries, P.T. in Neurological & Neurosurgical Conditions, Sports P.T. & Exercise Prescription, P.T. in Medical & Surgical Conditions, Biostatistics & Computer Application, Community P.T. & Rehabilitation.

### Master of PHYSIOTHERAPY (Ortho./ Neuro./ Sports) MPT

**DURATION :** 2 years

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

**SEATS :** 120

**SYLLABUS OUTLINE :** ORTHOPEDICS - Basic Medical Science, Biomechanics & Kinesiology, Exercise Physiology, Exercise Therapy, Emergency Care, Musculoskeletal Disorders: Advance Physiotherapeutics, Educational Psychology, Rehabilitation Physical Medicine. Dissertation Based On Project Work. NEUROLOGY - Neurological Disorders: Advance Physiotherapeutics, Skill Acquisition & Refinement, Dissertation Based on Project Work. SPORTS - Physical Therapy in Sports: Fundamentals & Rehabilitation, Sports Fundamentals & Rehab: Advance, Dissertation Based on Project Work.

## NATURAL SCIENCES

### B.Sc. (Hons.) AGRICULTURE

**DURATION :** 4 years

**ELIGIBILITY :** 12th  
(PCB/PCM) or equivalent  
from any recognized  
state board or university  
with 45% marks.

**SEATS :** 220

**SYLLABUS OUTLINE :** Agronomy; Horticulture; Plant Pathology; Entomology; Agricultural Economics; Extension Education; Genetics & Plant Breeding; Soil Science; Food Technology; Animal Husbandry; Basic Sciences; Humanities; Agricultural Engineering.

### M.Sc. AGRONOMY

**DURATION :** 2 years

**ELIGIBILITY :** B.Sc. in  
Agriculture with  
minimum 45% marks  
in aggregate.

**SEATS :** 30

**SYLLABUS OUTLINE :** Crop Ecology, Modern Techniques of Raising Field Crops, Medicinal & Aromatic Crops, Weed Management, Soil Science, Statistical Methods for Research in Field Crops, Irrigation Water Management & Seed Production Technology.

## M.Sc. (Ag.) PLANT PATHOLOGY

**DURATION :** 2 years  
**ELIGIBILITY :** Bachelor's degree in Agriculture/ Horticulture/ Forestry with 45% marks.  
**SEATS :** 30

**SYLLABUS OUTLINE :** Principles of Plant Pathology; Mycology; Principles of Plant Disease Management; Seed Pathology; Plant Bacteriology; Field Crop Diseases; Epidemiology of Plant Diseases; Post-Harvest Pathology; Plant Virology; Root Pathology; Phytopathological Techniques; Molecular Plant Pathology; Plant Nematology; Ecology of Plant Pathogens; Diseases of Horticultural Crops & their Management; Biological Control of Plant Diseases.

## M.Sc. (Ag.) ENTOMOLOGY

**DURATION :** 2 years  
**ELIGIBILITY :** Bachelor's degree in Agriculture/ Horticulture/ Forestry with 45% marks.  
**SEATS :** 30

**SYLLABUS OUTLINE :** Insect Morphology, Anatomy, Physiology, Nutrition, Taxonomy, Ecology, Pathology; Pest Management; Toxicology of Insecticides; Plant Resistance to Insects; Commercial Entomology; Pests of Field, Horticultural & Plantation Crops & Storage Entomology; Insect Vectors of Plant Viruses & Other Pathogens.

## B.Sc. (Hons.) HORTICULTURE

**DURATION :** 4 years  
**ELIGIBILITY :** 10+2 or equivalent with Maths/ Biology/ Agriculture from any recognized Board or University with minimum 45% marks.  
**SEATS :** 30

**SYLLABUS OUTLINE :** Horticulture, Soil science, Genetics, Cytogenetics, Plant Breeding, Entomology, Pathology, Microbiology, Olericulture, Pomology, Floriculture, Post Harvest Technology, Biochemistry, Biotechnology, Medicinal & Aromatic Plants, Apiculture.

## M.Sc. (Ag.) HORTICULTURE

**DURATION :** 2 years  
**ELIGIBILITY :** Bachelor's degree in Agriculture/Horticulture /Forestry with minimum aggregate 45% marks.  
**SEATS :** 30

**SYLLABUS OUTLINE :** Plant Propagation & Nursery Management; Advances in Orchard Management; Systematic Horticulture; Advances in Pomology; Advances in Medicinal, Aromatic & Spices Crops; Statistical Methods & Experimental Designs; Advances in Temperate- Zone Pomology; Advances in Olericulture; Canopy Management in Fruits Crops; Biotechnology of Horticultural Crops; Advances in Breeding of Fruits & Plantation Crops; Biodiversity & Conservation of Horticultural Crops; Advances in Post-Harvest Technology & Management of Fruits & Vegetables; Protected Cultivation of Horticultural Crops; Advances in Floriculture & Landscaping.

## B.Sc. (Hons.) FORESTRY

**DURATION :** 4 years  
**ELIGIBILITY :** 10+2 pass or equivalent with any stream from a recognized board with Biology as one of the subjects.  
**SEATS :** 100

**SYLLABUS OUTLINE :** Basic Forestry & Allied Courses - Geology & Soil Science, Silviculture, Introductory Course of Computer Science, Statistics, Bio-Mathematics, Plant Physiology, Biochem., Biotech., Genetics & Plant Breeding, Ag-Meteorology, Forest Engineering & Forest Survey, Forest Policy, Law Hydrology, Watershed Management, Soil Survey & Land Use Planning, Medicinal & Aromatic Plants, Ethnobotany, Nursery Management, Seed Technology, Wildlife Biology, Forest Ecology; Ministration; Management; & Utilization, Forest Pathology & Entomology, Dendrology, Ag-forestry, Apiculture & Sericulture, World Forestry System, Wildlife Management.



## M.Sc. FORESTRY

**DURATION :** 2 years  
**ELIGIBILITY :** B.Sc. Forestry (4 years) or B.Sc. with Forestry as one of the subjects with 45% marks in aggregate.  
**SEATS :** 30

**SYLLABUS OUTLINE :** Silviculture, Advance Forest Management, Biodiversity & Conservation, Tree Seed Technology, Geographic Information System, Forest Resource Management, Forest Ecology and Management, Applied Forest Tree Improvement, Forest Policy; Health; & Protection, Forest Economics/Marketing, Agroforestry Systems; Practices; & Economics, Trees & Shrubs for Agroforestry; Forest Carbon Management; & Urban Forestry, Climate Change & Conservation, Weed Management in Production Forestry, Seminar; Research Methodology and Project; Internship; & Field Training.

## COMMERCE

## B.Com. (Hons./ Hons. with Research)

**DURATION :** 4 years (ME-ME)  
**ELIGIBILITY :** 10+2 or equivalent in any stream from a recognized board with minimum 45% marks.  
**SEATS :** 120

**SYLLABUS OUTLINE :** Financial Accounting; Income Tax Law & Practices; Cost Accounting; Principles of Management; Management Accounting; Principles of Auditing; Financial Management; E-Commerce; Company Law; Consumer Protection; Corporate Accounting; International Business; Human Resource Management; GST; Marketing Management; Project Management; Advanced Accounting,.

## M.Com.

**DURATION :** 2 years (ME-ME)  
**ELIGIBILITY :** B.Com with 40% marks in aggregate or B.A., B. Sc. with Mathematics OR Economics with minimum 50% marks in aggregate.  
**SEATS :** 40

**SYLLABUS OUTLINE :** Corporate Financial Accounting; Management Principles & Practices; 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; International Business; Management of Financial Services; Income Tax Laws & Practices; Consumer Behavior; Security Analysis; Portfolio Management; Project Planning & Evaluation; Marketing Communication; Insurance; Risk Management; International Financial Management; Marketing of Services; International Marketing.

## EDUCATION

## B.Ed.

**DURATION :** 2 years  
**ELIGIBILITY :** UG/PG degree in science/arts/commerce from any recognized university with 50% marks for general/OBC, 45% marks for SC/ST, 55% marks for Engineering & Management graduates. Admissions on merit by entrance test & rules framed by the State Govt., HNBSGU & NCTE.  
**SEATS :** 50

**SYLLABUS OUTLINE :** Childhood & Growing up; Contemporary India & Education; Language across the curriculum; Understanding Disciplines & Subjects; Practicum (Reading & Reflecting on Texts); Learning & Teaching; Assessment for Learning; Pedagogy of Commerce, Mathematics, Civics, History, Economics, Geography, Home Science, Arts, Social Study; Computer Science, Hindi, English, Sanskrit, Physical Science, Biological Science, Gender, School & Society; Knowledge & Curriculum; Creating an Inclusive School; Environmental Education, Value Education; Vocational Education; Health & Physical Education; Peace Education; Guidance & Counseling; Distance Education. Internship of 2 weeks in 2nd sem. & 16 weeks in 3rd sem. Practicum - Drama & Art in Education; Critical Understanding of ICT; Understanding of Self.

# dibns course pool

## MULTIDISCIPLINARY COURSES POOL

01. Fascinating world of microbes
02. General Microbiology
03. Food Microbiology
04. Industrial Microbiology
05. Microbial Diversity
06. Physics of Life
07. General Astronomy
08. Biotechnology for human welfare
09. IPRs
10. Plant tissue culture
11. Genetics
12. Chemistry Essentials for Everyday Life
13. Environmental Chemistry-Pollution Control Strategies
14. Elements and Compounds
15. Library and information services
16. Technical writing & communication skill
17. Intellectual property and its management in agriculture
18. Basic concepts in lab techniques
19. Agriculture research ethics and rural development programme
20. Disaster management
21. Fundamentals of Accounting
22. Introduction to Management
23. Fundamentals of Marketing
24. Web Designing
25. Programming in Python
26. DBMS and MySql
27. Ecommerce
28. Cyber law and Security
29. Ergonomical Education
30. Preventive and social medicine

## VALUE ADDED COURSES (VAC) POOL

1. Health and Wellness
2. Yoga Education
3. Sports and Fitness
4. Understanding & connecting with environment
5. Understanding India/Digital & Technological Solutions
6. Physical Education
7. Life Skills & personality development
8. Moral values in modern Education
9. Human & Professional Ethics
10. History of Science
11. Solar PB Panel & Installation Maintenance
12. Nondestructive Testing
13. Environmental Physics
14. Environmental studies
15. Indian Knowledge System
16. Financial Literacy
17. Computer Applications
18. Artificial Intelligence Basics & applications in Daily Life
19. Cloud Computing
20. First aid, BLS & emergency care
21. Nutrition health & fitness

# SKILL ENHANCEMENT COURSES (SEC) POOL

1. Skills in Entrepreneurship, sales and distribution
2. Fermented foods & dairy products
3. Microbial Products for Agriculture Application (Biofertilizers, biopesticides)
4. Quality Control and Regulatory Affairs in Food
5. Bioethics & Biosafety
6. Management of Microbial diseases
7. Microbiological hazards and food safety
8. Epidemiology and public health
9. Basics of Instrumentation
10. Electrical Circuit network Skill
11. Sensors and Detectors Technology
12. Radiation Safety
13. Weather forecasting
14. Introduction to SCI-LAB Programming
15. Computational Physics Skills
16. Regulatory Affairs in Biotechnology
17. Entrepreneurship and Innovation
18. Data Science for Biotechnology
19. Bioethics and Biotechnology Policy
20. Biotechnology Marketing and Sales
21. Biostatistics and Experimental Design
22. Medical transcription
23. Medical writing
24. Soil and Water Analysis
25. Aromatherapy & Essential Oils
26. Herbal Drug Formulations
27. Mushroom Production Technology
28. Basics of Internet
29. Basics of Computer Hardware
30. MS Office
31. Stress Management
32. Personality Development
33. Tally Accounting (With GST)
34. Photography and Editing
35. Office Management
36. HR Analytics
37. Organic Farming
38. Portfolio Manager
39. Public Speaking
40. Social and Life Skills
41. Beautician
42. Fashion Designing
43. Digital Marketing
44. Game Designing
45. Web design and Development
46. Social Media Marketing
47. Graphics Designing and Animation
48. Entrepreneurship Skills
49. Tourism Management
50. Life Skills Education
51. Personal Financial Planning
52. Cyber Security

# ABILITY ENHANCEMENT COURSES (AEC) POOL

1. English Language-I
2. English Language-II
3. French Language -I
4. French Language -II
5. German Language-I
6. German Language-II
7. Sanskrit Language-I
8. Sanskrit Language-II
9. Professional Communication Skills
10. Value Education
11. Personality Development and Soft Skills
12. The Constitution, Human Rights, and the Law
13. ICT integrated presentation skills

# DIBNS FACULTY

*#OurCornerstones*

## DEPARTMENT OF PHYSIOTHERAPY

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. Deptee Warikoo	Associate Professor	MPT	19 years
2	Dr. Vijay Gambhir	Assistant Professor	MPT	22 years
3	Col. (Dr.) Rajiv Garg	Professor (Visiting)	MS	30 years
4	Dr. Sunil Bhatt	Assistant Professor (Visiting)	MPT	14 years
5	Dr. Kapil Arora	Assistant Professor (Visiting)	MBBS	19 years
6	Dr. Priyanka Gambhir	Clinical Physio.	MPT	18 years
7	Dr. Keerty Mathur	Assistant Professor	MPT	15 years
8	Dr. Richa Agarwal	Assistant Professor	MPT	17 years
9	Dr. Ashish Dev Gera	Assistant Professor	MPT	13 years
10	Dr. Diksha Bhatt	Assistant Professor	MPT	04 years
11	Dr. Nidhi Rawat	Assistant Professor	MPT	03 years
12	Dr. Chaitanya Tamang	Assistant Professor	MPT	02 years
13	Dr. Arth Anand Shrivastav	Clinical Physio.	MPT	10 years
14	Dr. Shaili Rawat	Clinical Physio.	BPT	12 years

## DEPARTMENT OF FORESTRY

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. Sas Biswas	Professor	M.Sc. Botany, Ph.D.	45 years
2	Dr. Sandhya Goswami	Associate Professor	M.Sc. (Ag.) Agro Forestry, Ph.D. & NET	14 years
3	Dr. A. K. Uniyal	Associate Professor	M.Sc. Botany, Ph.D.	32 years
4	Dr. Rashmi T. Chamoli	Associate Professor	M.Sc. Forestry, Ph.D.	15 years
5	Dr. Vikaspal Singh	Associate Professor	M.Sc. Forestry, Ph.D., NET	12 years
6	Mr. Manish Kumar	Associate Professor	M.Sc. Forestry, NET	12 years
7	Mr. Anil Kumar Kewat	Associate Professor	M.Sc. Forestry, NET, Ph.D. Pursuing	05 year
8	Mr. Prabhakar Manori	Associate Professor	M.Sc. Forestry, NET, Ph.D. Pursuing	06 year

## DEPARTMENT OF AGRICULTURE & HORTICULTURE

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. Pradeep Mishra	Associate Professor	M.Sc. (Ag.) Agronomy, Ph.D.	24 years
2	Dr. Shalini Agrawal	Associate Professor	M.Sc. (Ag.), Ph.D. Animal Science, NET	18.5 years
3	Mr. Upendra Dwivedi	Assistant Professor	M.Sc. (Ag.) Animal Husbandry	10 years
4	Mr. Shailendra Tiwari	Assistant Professor	M.Sc.(Ag.) Seed Technology	08 years
5	Mr. Anuj Gupta	Assistant Professor	M.Sc. (Ag.) Genetics & Plant Breeding, NET	08 years
6	Mr. Pankaj Budakoti	Assistant Professor	M.Sc. (Ag.) Agronomy	11 years
7	Er. Rohit Maithani	Assistant Professor	M.Tech. Biotechnology, Diploma I.T.	11 years
8	Mr. Arnab Khanda	Assistant Professor	M.Sc. (Ag.) Soil Science	09 years
9	Dr. Manoj Kumar Bansala	Assistant Professor	M.Sc. (Ag.) Animal Husbandry, Ph.D.	09 years
10	Dr. Virendra Kumar	Assistant Professor	M.Sc. & Ph.D. (Agronomy), NET	06 years
11	Mr. Sachin Devlal	Assistant Professor	M.Sc. Horticulture (Fruit Science)	09 years
12	Dr. Kanika Issar	Assistant Professor	M.Sc. Agriculture, Ph.D.	12 years
13	Dr. Sanjay Kumar Agarwal	Associate Professor	M.Sc. Mathematics, Ph.D.	21 years
14	Mr. Vijay Ratna Panwar	Assistant Professor	M.Sc. Mathematics, B.Ed.	18 years
15	Ms. Himani Rawat	Assistant Professor	M.Sc. (Ag.) Horticulture, NET	02 years
17	Dr. Jagdish Chandra Purohit	Assistant Professor	M.Sc. (Statistics), Ph.D. (Statistics)	07 years
18	Dr. Bhupendra Singh	Assistant Professor	M.Sc., Ph.D. (Ag.) Entomology	01 year
19	Dr. Naimish Kumar	Assistant Professor	M.Sc., Ph.D. (Ag.) Plant Pathology, NET	01 year

## DEPARTMENT OF EDUCATION

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. G.N. Sinha	Associate Professor	M.A. (Eng), M.Ed., NET, Ph.D.	27 years
2	Dr. Shruti Sharma	Associate Professor	M.Com, M.Ed., M.Phil., Ph.D.	18 years
3	Dr. Aditi Chauhan	Assistant Professor	M.A. History, M.Ed., Ph.D.	25 years
4	Mr. Swaran Singh Chauhan	Assistant Professor	M.A. Maths, M.Ed., M.Phil.	21 years
5	Dr. Himani Dangwal	Assistant Professor	M.Sc. Chemistry, M.Ed., Ph.D.	22 years
6	Mrs. Leena Verma	Assistant Professor	M.Sc. Botany, M.Ed., M.Phil.	14 years
7	Dr. Rashmi Negi	Assistant Professor	MA (Sociology), MA (History), MA (Hindi), M.Ed. M.Phil, Ph.D.	22 years

## DEPARTMENT OF COMMERCE

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Mrs. Rama Garg	Assistant Professor	M.Com., CA (Inter)	08 years
2	Mr. Vipul Garg	Associate Professor	M.C.A., L.L.B.	26 years
3	Mrs. Ruchika Bhatnagar	Assistant Professor	MBA	05 years
4	Ms. Shreya Tiwari	Assistant Professor	M.Com, NET	01 year
5	Mr. Prince Bhati	Assistant Professor	M.Com., NET	01 year
6	Mr. Dhruv Budakoti	Tutor	B.Tech.	01 year

## DEPARTMENT OF BOTANY

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. K.P. Tripathi	Associate Professor	M.Sc. Botany, Ph.D.	29 years
2	Dr. Vidit Tyagi	Associate Professor	M.Sc. Botany, Ph.D.	23 years
3	Dr. A.K. Pundir	Assistant Professor	M.Sc. Botany, Ph.D.	19 years

## DEPARTMENT OF ZOOLOGY

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. Beena Joshi Bhatt	Associate Professor	M.Sc. Zoology, Ph.D.	21 years
2	Dr. D.K. Bhardwaj	Associate Professor	M.Sc. Zoology, Ph.D.	18 years
3	Dr. Deepali Rana	Assistant Professor	M.Sc. Zoology, Ph.D.	14 years
4	Ms. Hemlata	Tutor	M.Sc. Zoology	01 year

## DEPARTMENT OF CHEMISTRY & PHARMA

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. Versha Parcha	Professor	M.Sc. & M.Phil. Organic Chem, Ph.D.	30 years
2	Dr. Deepak Kumar	Associate Professor	M.Sc. Pharma. Chemistry, Ph.D.	12 years
3	Dr. Ritu Singh	Assistant Professor	M.Sc. Pharma. Chemistry, Ph.D.	13 years
4	Dr. Raju	Assistant Professor	M.Sc. Chemistry, Ph.D.	11 years
5	Mr. Ankit Kumar	Tutor	M.Sc. Chemistry	01 year

## DEPARTMENT OF PHYSICS

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. Aasheesh Raturi	Assistant Professor	M.Sc. Physics, Ph.D.	12 years
2	Dr. Abhilasha	Assistant Professor	M.Sc. Physics, Ph.D.	07 years
3	Mr. Shantanu Ashima Gaur	Tutor	M.Sc. Physics	01 year

## DEPARTMENT OF BIOTECHNOLOGY

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. Shalini Singh	Associate Professor	M.Sc. (Ag.) Genetics & Plant Breeding, Ph.D., NET	17 years
2	Ms. Deepti Gulati	Associate Professor	M.Sc. Biotechnology, NET	18 years
3	Dr. Sachin Singh	Assistant Professor	M.Sc. Biotechnology, Ph.D.	02 years
4	Ms. Tripti Garg	Tutor	M.Sc. Biotechnology	-

## DEPARTMENT OF BIOCHEMISTRY

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. Gyanendra Awasthi	Professor	M.Sc. Biochemistry, Ph.D., NET	20 years
2	Dr. Lokendra Kumar	Assistant Professor	M.Sc. Biochemistry, Ph.D.	10 years
3	Dr. Ankur Adhikari	Assistant Professor	M.Sc. Microbiology, Ph.D. Biochem.	02 years

## DEPARTMENT OF MICROBIOLOGY & MEDICAL MICROBIOLOGY

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. Shailja Pant	Professor	M.Sc. Microbiology, Ph.D.	25 years
2	Dr. Tripti Malik	Associate Professor	M.Sc. Microbiology, Ph.D., NET	21 years
3	Dr. A.K. Singh	Associate Professor	M.Sc. Microbiology, Ph.D.	21 years
4	Dr. Gauri Singh	Associate Professor	M.Sc. Microbiology, Ph.D., NET	21 years
5	Mr. Vijay Tewari	Tutor	M.Sc. Medical Lab Technology	06 years

## DEPARTMENT OF MEDICAL LAB TECHNOLOGY

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. V.C. Reddy	Associate Professor	MBBS, DCP (Pathology), MD (Path.)	30 years
2	Mr. Aditya Swaroop	Assistant Professor	M.Sc. MLT	16 years
3	Mr. Ankit Johari	Assistant Professor	M.Sc. Biochem., GATE CSIR-UGC NET	10 years
4	Mrs. Rashmi Chauhan	Associate Professor	M.Sc. Biochem., D.M.L.T., PGDCP-DT	15 years
5	Mr. Rajesh Kumar Jha	Tutor	M.Sc. Biochemistry	07 years

## DEPARTMENT OF BOTT

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. Sandeep Ahuja	Professor	MS (General Surgery)	40 years
2	Mr. Gautam Rawat	Tutor	BOTT	04 years
3	Mr. Girish Chandra Dhabral	Tutor	DOTT	30 years

## DEPARTMENT OF BMRIT

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Dr. B.N. Tripathi	Associate Professor	MD (Radiology)	15 years
2	Mr. Pushpendra	Assistant Professor	M.Sc. MRIT	01 years
3	Ms. Pushpendri	Assistant Professor	M.Sc. MRIT	01 years


## DEPARTMENT OF DANCE, ART & CRAFT & MUSIC

S.No	Name	Designation	Qualification	Teaching & Research Experience
1	Mrs. Jyoti Johar	Assistant Professor	BA, Diploma Course in Painting (Arts) & Diploma Course in Stitching	30 years
2	Mr. Sahaj Sangal	Assistant Professor	MA, B.Ed.	05 years
3	Mr. Yajat Panchal	Assistant Professor	BA Classical Vocal	02 years




# Facilities & Amenities

## **GREEN & SUSTAINABLE CAMPUS**




Study at a lush green campus, spread out in 16,880 sq.meters surrounded by an evergreen forest. Working ecologically, featuring, a 100kW Solar Panel System, Water Conservation Capacity of 60,000 liters through recharge wells and rain water harvesting, and a One-Use-Plastic Free campus via awareness programs & monitoring.

## **STATE-OF-ART TEACHING & LEARNING**




61 ICT-enabled classrooms, 6 smart lecture halls, 33 richly equipped labs, technologically advanced Research Facility, a plethora of modern experiments fields (3 polyhouses, 4 agricultural fields, 12 horticulture orchards) – our expertly qualified 100+ faculty members are all fired up to fuel your academic & practical journey.

## **FANTASTIC LIBRARY & COMPUTER LABS**




We boast one of the largest collegiate library in the city, with 33,312 books & 70+ subscriptions of scientific journals and magazines. Along with a fleshed out digital wing, accessible on 10 computer booths, with unique personalized log-in IDs, featuring OPAC system & INFLIBNET. We promote digital literacy, with 2 computer labs hosting 120 systems, encouraging collaborative academic & research projects, along with fun skills like graphic designing.

## **RECREATIONAL HOBBY ZONES & COMMON ROOMS**



We offer multiple hobby studios to explore music, dance, arts, & photography, along with, a relaxing girl's common room to further the goal of gender equity, by providing a women's only space in campus - Indoor spaces to wind-down from the bustling campus life and boost productivity are a focus at DIBNS.

## **DISABILITY-FRIENDLY ARCHITECTURE**



We make our facilities accessible by adding ramps, installing elevators, and ensuring all bathrooms have larger stalls with support railings. We consciously remodel continuously to ensure inclusive & usable infrastructure for individuals with disabilities.

## **DELICIOUS & HYGIENIC CAFETERIA**



Our wonderful cafeteria accommodates 250 people in a grouped seating to encourage conversations. The delicious food is prepared in-house with the highest hygiene standards by experienced chefs, to provide a balanced nutritious diet for all students/staff.





## HEALTHCARE & WELFARE

### SERVICES

"Health is wealth" – we stand by that, and hence have curated the best selection of healthcare services for our students. We operate a free medical OPD, physiotherapy OPD, ambulance services, & diagnostic center on campus, supported by Dr. Lal PathLabs. 5 other affordable DIBNS established physiotherapy centers are located all around the city, along with the affiliated Dolphin Jankalyan Multispecialty Hospital. Students also receive free health insurance for accidental injuries and death.



## BEAUTIFUL & CALM HOSTELS

Experienced, dedicated, and caring in-house wardens look after all residents and infrastructure of our individual Boy's Hostel (75 rooms/156 occupancy) & Girl's Hostel (161 rooms/333 occupation). Each hostel is equipped with richly appointed gyms, badminton courts, dining halls, easy clean water cooler access, 24/7 CCTV surveillance, round-the-clock guards working in shifts, 24/7 ambulance services. A team of gardeners, cleaners, plumbers, and electricians keep the hostels clean, green, & functional. Birthdays, festivals and cultural events are celebrated extensively in both hostels. Girl's Hostel is also facilitated with – an Open Air Theater, Recreation Room, Visitor's Room, Library & Study Room, along with, a Tuck Shop.



## EXTENSIVE SPORTS FACILITIES

DIBNS is a hub for sports, organizing and participating in 50+ events/tournaments every year. Our vast sports-zone includes a basketball court, volleyball court, kho-kho ground, and kabaddi ground in our campus, along with separate off-campus fields for track, football, & cricket. There are also an indoor sports room for chess, carrom, and table tennis. The sports zone is open to students till 8:00 p.m. under supervision.

## ADDITIONAL FACILITIES

- Placement & Guidance Cell for preparation of competitive exams and career/personality development programmes with 80% placement success.
- 100+ extra-curricular and co-curricular activities/competitions - at all levels every year.
- NSS | NCC | BSG | YRC – especially valued extension activities.
- 2 amazing auditoriums that seat 400+ people in total.
- 24x7 full CCTV surveillance with rotating shifts of guards at all times.
- Efficient working through ERP and e-Governance systems.
- Multiple water coolers with safe drinking water.
- On-Campus PNB ATM, Free Wi-Fi, & Cyber Café.
- Hygienic and accessible women's/men's washrooms.
- Access to photocopy machines for academic work.

23  
YEARS

OF ACADEMIC EXCELLENCE

250+

REPUTED RECRUITERS

10,000+

STRONG ALUMNI NETWORK

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