



**BHASKARACHARYA COLLEGE OF APPLIED SCIENCES**

**PROSPECTUS**

**2024-25**

# कुलगीत

वन्दे भास्कराचार्य  
वन्दे महाविद्यालय  
वन्दे महाविद्यालय

वैश्विक शिक्षा का भव्य केन्द्र  
विज्ञान विधा का कुशल केंद्र  
सुरभित औ हरित परिसर विशाल  
गर्वित प्राँगण नव प्रखर ज्वाल  
सद नवाचार का संवाहक  
नव सर्जन शक्ति का आराधक  
सक्षम उन्नत उत्कृष्ट ज्ञान  
कौशल क्षमता अनुपम उड़ान  
युग श्रेष्ठ प्रबंधन निधियाँ  
मानक संचालित गतिविधियाँ  
वन्दे भास्कराचार्य  
वन्दे महाविद्यालय  
वन्दे महाविद्यालय

आंचरियों का आशीष फल  
विद्यार्थी मन संस्कार सरल  
जिज्ञासा पूरक अमर ध्यान  
लौकिक विषयों का परम ज्ञान  
अंतर चेतन की अमिट चाह  
गतिशील समर्पण का प्रवाह  
साक्षी अनमोल धरोहर का  
निर्मल जल ज्ञान सरोवर का  
नवयुग का पावन अभिनन्दन  
हम करते नित इसका वन्दन

वन्दे भास्कराचार्य  
वन्दे महाविद्यालय  
वन्दे महाविद्यालय

संगीतकार  
गजेंद्र सोलंकी  
अंतर्राष्ट्रीय कवि, गीतकार

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# MESSAGE FROM THE PRINCIPAL



*“Education is the most powerful weapon which you can use to change the world”*

- Nelson Mandela

It is my privilege to take this opportunity to heartily welcome each one of you in our prestigious institution. Bhaskaracharya College of Applied Sciences is well known for its dedication towards maintaining a high-quality teaching-learning pedagogy. I am happy to share that the college is accredited A++ grade by NAAC in its second cycle. The Department of Biotechnology, Government of India recognized the college under ‘Star College’ status. The college is also ranked 22 in NIRF college ranking in 2023.

The college has fully implemented the National Education Policy 2020. Under this NEP the Undergraduate Curriculum Framework 2022 has broadened the concept of education at the new level. Other than the main courses offered, students now have an opportunity to study Discipline Specific Electives (DSE), Ability Enhancement Courses (AEC), Skill Enhancement Courses (SEC) and Value Addition Courses (VAC) depending upon their interest and choice. The students are encouraged to participate in internships, projects, outreach programmes and related activities. Many certificate and add-on courses are also offered which gives an advantage to our students for their higher education.

The college provides a safe and positive learning environment to its students. The entire campus is Wi-Fi enabled and under CCTV surveillance. Our college is a tobacco free zone and a ragging free campus. The college has a well-stocked computerized library with many books, journals, articles. All the classrooms are equipped with LCD projectors and all laboratories have latest facilities that enable students more on practical approaches.

Along with the excellent infrastructure, our faculty are extremely dedicated in teaching, research and also engaged in supervising PhD students. Our college has an Internal Quality Assurance Cell (IQAC), which is responsible for monitoring academic quality. In order to give wider exposure in the field of science and technology several eminent scientists, speakers, often visit the college and interact with the students throughout the academic year. For the holistic development of the students the college also provides numerous extra-curricular and co-curricular activities. Students can join the departmental societies, cells and clubs of their choice which work on holistic development of the students coming from diverse sections of the society.

On behalf of the whole college, I once again welcome all our students to our college for another meaningful year.

Welcome to BCAS Family!

**Prof. Avneesh Mittal**  
Officiating Principal

# RANKINGS AND ACCREDITATION



22

**NIRF COLLEGE  
RANK 2023**

A ++

**NAAC  
ACCREDITATION**

**STAR  
STATUS**

**DBT  
GOVT. OF INDIA**



# ABOUT THE COLLEGE



**11 PROGRAMMES**

Bhaskaracharya College of Applied Sciences is a co-educational institute named after the great mathematician “Bhaskaracharya”, established in October, 1995. The college is affiliated to University of Delhi and is fully supported and funded by Government of NCT, Delhi. The college is accredited A++ grade by NAAC in its second cycle. The Department of Biotechnology, Government of India recognized the college under ‘Star College’ status. The college is also ranked 22 in NIRF college ranking in 2023.



**1300+ STUDENTS**

Over the years the college has established itself as one of the leading Science colleges in Delhi with more than 1346 students coming from across the world. The college has well equipped infrastructure, sprawling green campus, extensive sports ground and staff quarters for non-teaching faculty.



**70+ FACULTIES**

The college takes pride in motivating students to achieve excellence not only in academic fields but also in co-curricular and extracurricular activities. The distinguished and dedicated faculty of the college offers the best teaching and learning process. Apart from academics, our college has countless achievements in the field of sports, NCC, NSS and cultural activities. The clubs, cells, committees and societies of the college always provide a platform to highlight the hidden talent of the students and many students bring laurels to the college.



**18 DEPARTMENTS**

Bhaskaracharya College of Applied Sciences is always committed to giving academic excellence to the students. The students are prepared for their overall development and sense of responsibility.



**UNDERGRADUATE ADMISSIONS  
@2024**

# UNDERGRADUATE CURRICULUM FRAMEWORK UGCF-2022

The UGCF- 2022 underlines the historical perspective, philosophical basis, and contemporary realities of higher education as enshrined in the National Education Policy (NEP – 2020) and endeavors to synchronize these cornerstones while charting the road ahead for the state of higher education.

The University of Delhi, a premier seat of teaching, learning, and research in higher education, acclaimed nationally and internationally, has nurtured the quest for reaching the peak in every sphere of education, in its true sense, in its contribution to nation-building. Moreover, being a Central University mandated to act as the torch bearer in expanding the horizons of human resource development through the expansion of higher education, it has always paid an adequate premium towards constructive and meaningful innovation as a regular feature in its undergraduate curriculum development over the years.

To actualize the noble objective, as succinctly brought out in the NEP - 2020, the University of Delhi has endeavored to explore the possibility of further restructuring and refinement of its undergraduate curriculum framework in line with the objective and underlying philosophy of the NEP - 2020 to capture the imagination of the youth of our nation which depicts the contemporary realities of our demographic advantage globally.

The resultant outcome of this comprehensive exercise undertaken by the University of Delhi is the UGCF - 2022 which not only underlines the heart and soul of the NEP - 2020 in letter and spirit but also goes on to create a teaching-learning framework at the undergraduate level to attract the young minds towards research, innovation, apprenticeship, social outreach, entrepreneurship and similar such areas of human knowledge and endeavor while imbuing the truly charged academic environment of the University of Delhi and its constituent Colleges.

The link to the UGCF flow chart is  
<https://www.du.ac.in/uploads/UGCF-Flowchart.pdf>

## REGISTRATION AND ADMISSION TO UNDERGRADUATE PROGRAMMES (FOR REGULAR STUDENTS)

**“The candidate must be a citizen of India.”**

For admission to Undergraduate Programmes at University of Delhi, all candidates (including those applying under supernumerary quota) must register for CUET (UG)-2024 at <http://cuetug.ntaonline.in>. For seat allocations and admissions, candidates must apply to the Common Seat Allocation System (CSAS(UG)-2024) of University of Delhi. Details related to allocations and admissions through CSAS(UG)-2024 etc. will be notified separately. Candidates must visit [www.admission.uod.ac.in](http://www.admission.uod.ac.in) on a regular basis.

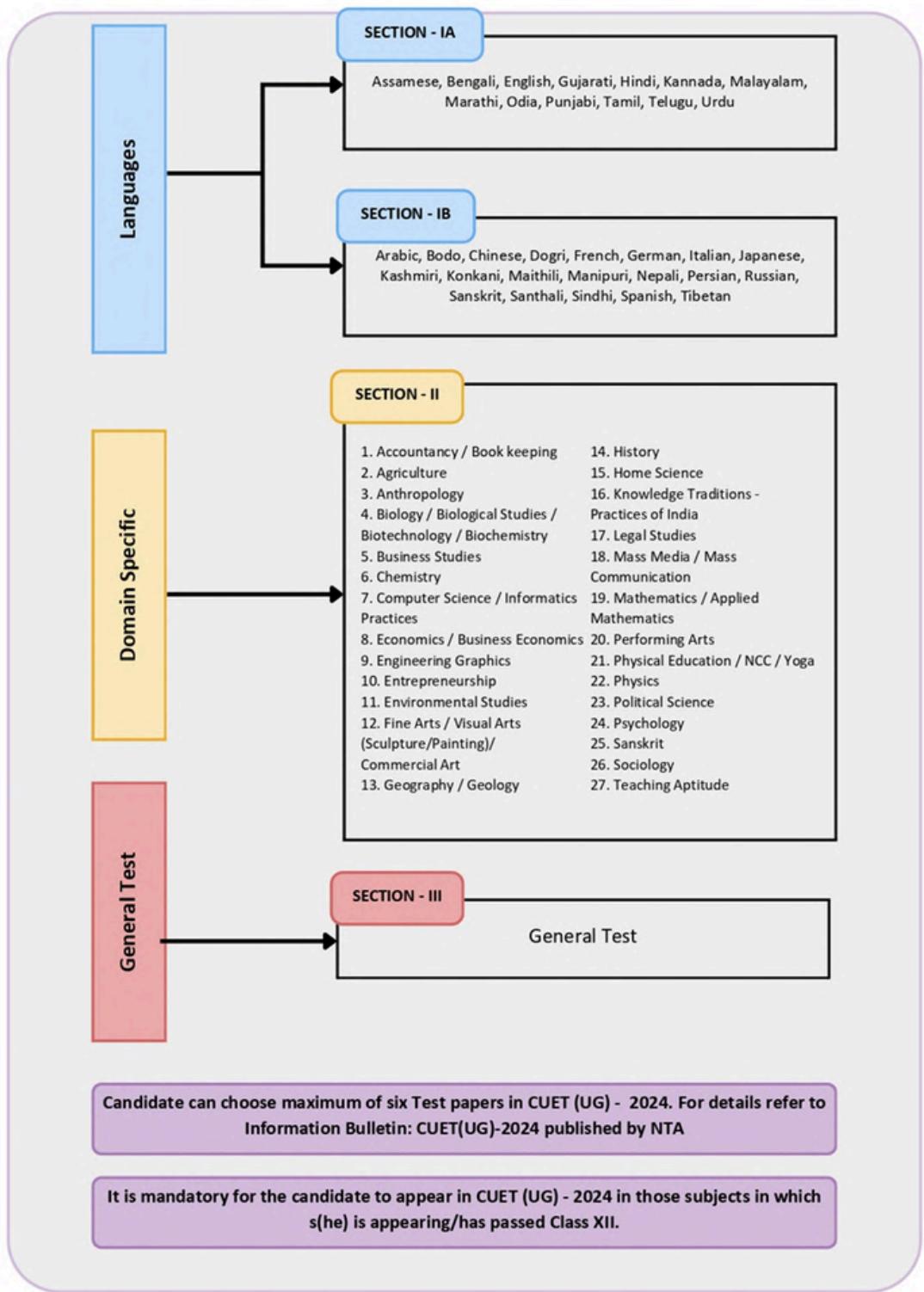
# IMPORTANT POINTS PERTAINING TO ADMISSION PROCESS

- Admissions to all Undergraduate Programs at the University of Delhi will be based on the scores obtained in CUET (UG) - 2024, except for admissions to the School of Open Learning (SOL), Non-Collegiate Women Education Board (NCWEB) and for Foreign Nationals.
- An eligible candidate desirous of seeking admission to the Undergraduate Program(s) of the University of Delhi for the academic session 2024-25 must read the contents of this Bulletin of Information (BOI) 2024-25, as well as the notifications, updates and information published on the admission website of the University of Delhi very carefully.
- The candidate must have studied and passed Class XII examination or its equivalent from a single recognized board.
- The candidate must have studied and passed Class XII examination of any Board / university in India, or any foreign country recognized as equivalent to the 10+2 system by the Association of Indian Universities (AIU).
- For admission to University of Delhi, it is mandatory for the candidate to appear in CUET (UG) - 2024 in those subjects in which s/he is appearing/has passed Class XII.
- In case the subject studied at Class XII is not mentioned in the CUET (UG) - 2024, the candidate must appear in the Language/Domain Specific subject that is similar/closely related to the subject s/he has studied at Class XII (for example, if a candidate has studied Biochemistry in Class XII, s/he must appear in Biology in CUET (UG) - 2024). For establishing similarity of CUET (UG) subjects with subjects taken in Class XII, at least 50% of the syllabus should match. The University reserves the right for establishing the similarity. The decision of the University in this regard shall be final and binding.
- Allocation and admission will be based only on the combination of Language, Domain Specific subjects and/or General Test in which a candidate has appeared in CUET (UG) – 2024 as per the respective Program-Specific Eligibility.
- Only the scores obtained in CUET (UG) - 2024 will be considered for admissions to the academic year 2024-25.
- The candidate must read the Program-Specific requirements carefully and then appear in Language and/ or Domain Specific Subjects of the CUET (UG) - 2024.
- Grievance related to non-appearance in CUET (UG) - 2024 or the required Language, Domain Specific subjects and/or General Test will not be entertained.

- The candidate is advised to check that s/he satisfies all eligibility criteria for the Program(s) for which s/he is appearing in CUET (UG) - 2024. Admission is subject to the candidate fulfilling the eligibility requirements prescribed for applying to the concerned program of study. In case a candidate does not meet any eligibility criteria prescribed for applying to the concerned program and appears in the entrance test, it is at the candidate's own risk and cost. If at any stage, it is found that eligibility requirements are not fulfilled, the admission, if granted, shall be cancelled ipso facto.
- Before registering for CUET (UG) - 2024, the candidate is advised to carefully read the Bulletin of Information (BOI) 2024-25 and consult the University of Delhi Act, 1922 and the Statutes. The Ordinances, Rules and Regulations of the University of Delhi, available on the University website, would be binding on them.
- Candidates must be careful while filling the CUET (UG)-2024 form as certain fields such as Name, signature and photograph of the candidate will be later auto-integrated by University of Delhi from CUET (UG)-2024. These fields will be non-editable. Candidates must be careful while filling the CUET (UG)-2024 form as certain fields such as Name, signature and photograph of the candidate will be later auto-integrated by University of Delhi from CUET (UG)-2024. These fields will be non-editable.
- The name of the candidate claiming reservation must match with the Candidate's name as it appears on their corresponding School Board qualifying certificates and in CUET (UG)-2024. Similarly, the parents' names must also match in the certificates.
- As per Ordinance-I of University of Delhi, there is no minimum age bar for admission to the undergraduate programs in the University and its colleges except in the programs where the respective regulatory bodies, such as Medical Council of India (MCI), All India Council for Technical Education (AICTE), Bar Council of India (BCI), National Council for Teacher Education (NCTE), Dental Council of India (DCI), etc. have prescribed the minimum age requirement in their regulations.
- Gap year will not be a bar for the purpose of admission to undergraduate programs. However, such candidates must also appear in CUET (UG) - 2024 for admissions in academic year 2024- 25.
- Appropriate proration in CUET (UG) - 2024 scores will be done wherever required (including supernumerary quota).

## STRUCTURE OF COMMON UNIVERSITY ENTRANCE TEST (UG) - 2024

- Candidate must appear in at least One Language that s/he has studied in Class XII.
- Candidate must refer to the Program-Specific Eligibility to choose the Domain Specific subjects in which s/he should appear in CUET (UG) – 2024
- General Test is considered for admission in numerous programs in the University of Delhi. Candidates must refer to Program Specific Eligibilities for details.



## ADMISSION SCHEDULE

The candidates are requested to visit the University of Delhi website ([www.admission.uod.ac.in](http://www.admission.uod.ac.in)) and the college website ([www.bcas.du.ac.in](http://www.bcas.du.ac.in)) on a regular basis for admission schedule and other related information.



# ACADEMICS AT BHASKARACHARYA COLLEGE

# PROGRAMMES OFFERED

As a constituent college of the University of Delhi, Bhaskaracharya College of Applied Sciences (BCAS) adheres to the curriculum designed by University of Delhi. Curriculum planning and its implementation as per the guidelines of University of Delhi, forms the very foundation of teaching, learning and allied activities of the college. The college is currently offering four-year undergraduate programmes in eleven disciplines to the incoming Batch of 2024. These programmes have courses that are taught as part of the Undergraduate Curriculum Framework (UGCF) which was adopted by University of Delhi in the year 2022-23. UGCF primarily aims to bring about systemic change in the higher education system at the University level and align itself with the National Education Policy 2020. The UGCF is an attempt to include two of the most talked about features of the NEP- multidisciplinarity and multiple exit points (leaving the programme at the end of each year with a different degree). Programmes currently offered by the college include:

S. No.	Programmes offered
1	B. Sc. (Hons.) Biomedical Science
2	B. Sc. (Hons.) Botany
3	B. Sc. (Hons.) Chemistry
4	B. Sc. (Hons.) Computer Science
5	B. Sc. (Hons.) Electronic Science
6	B. Sc. (Hons.) Food Technology
7	B. Sc. (Hons.) Instrumentation
8	B. Sc. (Hons.) Microbiology
9	B. Sc. (Hons.) Physics
10	B. Sc. (Hons.) Polymer Science
11	B. Sc. (Hons.) Zoology

Apart from the above mentioned programmes, students have an option to study Allied Programmes in Biochemistry, Environmental Sciences, Human Communication and Mathematics. These departments would be offering elective courses and certain skill enhancement or vocational courses. Students would be required to undertake certain Ability Enhancement Courses (AEC) which are based upon the content that leads to further knowledge enhancement. These programmes include Language and Literature, Environmental Science and Sustainable Development courses. These are mandatory for all disciplines.

# SEAT DISTRIBUTION

Name of Programmes	No. of Seats				
	Gen.	SC	ST	OBC	EWS
B. Sc. (Hons) Biomedical Science (59)	24	9	4	16	6
B. Sc. (Hons) Botany (40)	16	6	3	11	4
B. Sc. (Hons) Chemistry (40)	16	6	3	11	4
B. Sc. (Hons) Computer Science (59)	24	9	4	16	6
B. Sc. (Hons) Electronic Science (59)	24	9	4	16	6
B. Sc. (Hons) Food Technology (59)	24	9	4	16	6
B. Sc. (Hons) Instrumentation (59)	24	9	4	16	6
B. Sc. (Hons) Microbiology (40)	16	9	3	11	4
B. Sc. (Hons) Physics (40)	16	9	3	11	4
B. Sc. (Hons) Polymer Science (59)	24	9	4	16	6
B. Sc. (Hons) Zoology (40)	16	6	3	11	4

\* Subject to any change as per guidelines of University of Delhi as and when received.

\*\*Reservations are as per rules of the University of Delhi.

# ELIGIBILITY CRITERIA

## COMMON MINIMUM ELIGIBILITY

The candidate must have passed the Class XII or its equivalent examination from a single recognized board. For the purpose of ascertaining the Minimum Eligibility, the marksheets/ degree of only one board will be considered. (For example, if a candidate has appeared in CBSE Board Examination with five subjects except for Mathematics and later appears and passes Mathematics from another board such as the National Institute of Open Schooling (NIOS), the minimum eligibility shall be ascertained from his/her mark sheet issued by CBSE only).

Programmes offered	Eligibility Criteria
<b>B. Sc. (Hons) Biomedical Science</b>	<p>Candidates must appear in CUET in the following subject combination: Chemistry + Physics + Biology/Biological Studies/Biotechnology/ Biochemistry</p> <p>Merit will be based on the CUET scores obtained from the above-mentioned combination of subjects.</p> <p>Candidates must have obtained a minimum of 30% score in any one language of List A in CUET.</p>
<b>B. Sc. (Hons) Botany</b>	<p>Candidates must appear in CUET in the following subject combination: Physics + Chemistry + Biology/Biological Studies/Biotechnology/Biochemistry</p> <p>Merit will be based on the CUET scores obtained from the above-mentioned combination of subjects.</p> <p>Candidates must have obtained a minimum of 30% score in any one language of List A in CUET.</p>
<b>B. Sc. (Hons) Chemistry</b>	<p>Candidates must appear in CUET in the following subject combination: Physics + Chemistry + Mathematics/Applied Mathematics</p> <p>Merit will be based on the CUET scores obtained from the above-mentioned combination of subjects.</p> <p>Candidates must have obtained a minimum of 30% score in any one language of List A in CUET.</p>
<b>B. Sc. (Hons) Computer Science</b>	<p>Candidates must appear in CUET in the following subject combination:</p> <p>Any one Language from List A + Mathematics/Applied Mathematics + Any two subjects out of which one should be from List B1</p> <p>Merit will be based on the CUET scores obtained from the above-mentioned combination of subjects.</p>
<b>B. Sc. (Hons) Electronic Science</b>	<p>Candidates must appear in CUET in any of the following subject combinations:</p> <p>Combination I: Physics + Mathematics/Applied Mathematics + Chemistry</p> <p>OR</p> <p>Combination II: Physics + Mathematics/Applied Mathematics + Computer Science/Informatics Practices</p> <p>Merit will be based on the best CUET score obtained from any of the above-mentioned combinations of subjects.</p>
<b>B. Sc. (Hons) Instrumentation</b>	<p>Candidates must appear in CUET in any of the following subject combinations:</p> <p>Combination I: Physics + Mathematics/Applied Mathematics+ Chemistry</p> <p>OR</p> <p>Combination II: Physics + Mathematics/Applied Mathematics + Computer Science/Informatics Practices</p> <p>Merit will be based on the best CUET scores obtained from any of the above-mentioned combinations of subjects.</p> <p>Candidates must have obtained a minimum of 30% score in any one language of List A in CUET.</p>

Programmes offered	Eligibility Criteria
B. Sc. (Hons) Microbiology	<p>Candidates must appear in CUET in the following subject combination: Physics + Chemistry + Biology/Biological Studies/Biotechnology/Biochemistry</p> <p>Merit will be based on the CUET scores obtained from the above-mentioned combination of subjects.</p> <p>Candidates must have obtained a minimum of 30% score in any one language of List A in CUET</p>
B. Sc. (Hons) Physics	<p>Candidates must appear in CUET in the following subject combination: Physics + Chemistry + Mathematics/Applied Mathematics</p> <p>Merit will be based on the CUET scores obtained from the above-mentioned combination of subjects.</p> <p>Candidates must have obtained a minimum of 30% score in any one language of List A in CUET.</p>
B. Sc. (Hons) Polymer Science	<p>Candidates must appear in CUET in the following subject combination: Physics + Chemistry + Mathematics/Applied Mathematics</p> <p>Merit will be based on the CUET scores obtained from the above-mentioned combination of subjects.</p> <p>Candidates must have obtained a minimum of 30% score in any one language of List A in CUET.</p>
B. Sc. (Hons) Zoology	<p>Candidates must appear in CUET in the following subject combination: Physics + Chemistry + Biology/Biological Studies/Biotechnology/Biochemistry.</p> <p>Merit will be based on the CUET scores obtained from the above-mentioned combination of subjects.</p> <p>Candidates must have obtained a minimum of 30% score in any one language of List A in CUET.</p>

Following acronyms are used in the UGCF programmes:

1. ‘**B. Sc.**’ indicates ‘Bachelor of Science’
2. ‘**AEC**’ indicates ‘Ability Enhancement Course’.
3. ‘**DSC**’ indicates ‘Discipline Specific Core’
4. ‘**DSE**’ indicates ‘Discipline Specific Elective’
5. ‘**GE**’ indicates ‘Generic Elective’
6. ‘**SEC**’ indicates ‘Skill Enhancement Course’
7. ‘**VAC**’ indicates ‘Value Addition Course’
8. Course here refers to studying a paper
9. Programme refers to your Discipline such as B. Sc. (Hons.) Electronic Science etc.

Under the UGCF, an academic credit refers to a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week. Courses of the study indicate pursuance of study in a particular discipline. Every discipline shall offer three categories of courses of study, viz. Discipline Specific Core courses (DSCs), Discipline Specific Electives (DSEs) and Generic Electives (GEs).

### **Discipline Specific Core (DSC)**

Discipline Specific Core is a course of study, which should be pursued by a student as a mandatory requirement of his/her programme of study. DSCs shall be the core credit courses of that particular discipline which will be appropriately graded and arranged across the semesters of study, being undertaken by the student, with multiple exit options as per NEP 2020. The DSCs specified in the framework would be identified by the concerned Department as core courses to be taught in a Programme.

### **Discipline Specific Electives (DSEs)**

DSEs shall be a pool of credit courses of that particular discipline in which a student chooses to mainly study [Main Programme]. There shall be a pool of DSEs from which a student may choose a course of study. The DSEs specified in the framework would be identified by the concerned Department as elective courses to be taught in a Programme.

### **Generic Electives (GEs)**

GEs consist of a pool of courses offered by various Programmes / Discipline of study (excluding the GEs offered by the parent Programme), in groups of odd and even semesters, from which a student can choose of his/her choice with an intention to seek exposure to other discipline. In case a student opts for Discipline Specific Elective (DSE) course offered by a different Programme [beyond his/her discipline specific course(s) of study], such DSEs shall also be treated as Generic Elective for that student. The Generic Elective has equal credit as that of core course. The student has to study GE/DSE in every semester of the course. These GEs are called GE-1, GE-2, GE-3, GE-4 and so on referring to the corresponding semester.

#### **Advantages of studying GE course**

- Exposure to study a new Programme / Discipline.
- Enables student to choose another Programme / Discipline as a MINOR, if a student earns minimum 28 credits from seven GE /DSE courses of that discipline.
- Prepare them to look for interdisciplinary research.
- Provides students with an alternative option for masters /Post Graduate (PG) degree.
- Many Programmes have a requirement to study minimum 2 semester papers in a specific discipline other than their core subjects. This GE can fulfill that requirement to pursue master's study in a desired field.

In addition to these, Ability Enhancement course (AEC), Skill Enhancement Course (SEC) & Value Addition Course (VAC) are a pool of courses offered by various Departments in groups of odd and even semesters from which students can choose.

**Skill Enhancement Courses (SEC)** are skill-based courses in all Programmes / Discipline and are aimed at providing hands-on training, competencies, proficiency, and skills to students. SEC courses may be chosen from a pool of courses designed to provide skill-based instruction. Every Programmes / Discipline may provide skill based courses which may be offered to students of its own discipline and also open to students of all other disciplines. The student has to study SEC in every semester (till VI semester) of the Programme.

\*The student can opt of internship in lieu of SEC though as per DU norms.

### Value Addition Courses (VAC)

VAC are common pool of courses offered by different Programmes / Discipline and aimed towards personality building; embedding ethical, cultural and constitutional values; promote critical thinking, Indian Knowledge Systems, scientific temperament, communication skills, creative writing, presentation skills, sports & physical education and teamwork which will help in all round development of students. The student has to choose a VAC course up to semester IV.

Programme-wise DSC and DSE courses are mentioned under various department sections. The college prepared a pool of SEC, VAC and GE courses for every semester and students have to choose from the provided pools.

College Pool of SEC, VAC and GE courses offered in Semester 1 are provided in the following section along with the allocated syllabus.

**(Please Note :** List is subject to change based on any directions from University of Delhi).

#### Pool of available VAC courses for the Batch of 2024-admissions (1 Semester)

Available VAC Courses* (*subject to change)	Link to the syllabus
Emotional Intelligence	<a href="#">1 Emotional Intelligence.pdf</a>
Yoga: Philosophy and Practice	<a href="#">2 Yoga: Philosophy and Practice.pdf</a>
Sports for Life	<a href="#">3 Sports for Life.pdf</a>
Science and Society	<a href="#">4 Science and Society.pdf</a>
National Cadet Corps-I	<a href="#">5 National Cadet Corps-I.pdf</a>
Vedic Mathematics-I	<a href="#">6 Vedic Mathematics-I.pdf</a>
भारतीय भक्ति परम्परा और मानव मूल्य	<a href="#">7 भारतीय भक्ति परंपरा और मानव मूल्य.pdf</a>
Reading Indian Fiction in English	<a href="#">8 Reading Indian Fiction in English.pdf</a>

#### Pool of available SEC courses for the Batch of 2024-admissions (1 Semester)

Available SEC Courses* (*subject to change)	Link to the syllabus
IT Skills and Data Analysis -I	<a href="#">2 BMS SEC 2024-28 I Sem IT Skills and Data Analysis -I</a>
Viewing and Capturing Diversity in Nature	<a href="#">3 Botany SEC 2024-28 I Sem Viewing and Capturing Diversity in Nature</a>

## Pool of available SEC courses for the Batch of 2024-admissions (1 Semester)

Available SEC Courses* (*subject to change)	Link to the syllabus
Basic Analytical Techniques	<u><a href="#">4 Chem SEC 2024-28 I Sem Basic Analytical Techniques</a></u>
Front End Web Designing Tools	<u><a href="#">5 CS SEC 2024-28 I Sem Front End Web Designing Tools</a></u>
Basic IT Tools	<u><a href="#">6 Electronic Sc SEC 2024-28 I Sem Basic IT Tools</a></u>
Communication in everyday life	<u><a href="#">7 English SEC 2024-28 I Sem Communication in everyday life.</a></u>
Prospecting E-waste for Sustainability	<u><a href="#">8 EVS SEC 2024-28 I Sem Prospecting E-waste for Sustainability</a></u>
Fruits and Vegetable Processing	<u><a href="#">9 FT SEC 2024-28 I Sem Fruits and Vegetable Processing</a></u>
Document preparation and presentation software	<u><a href="#">11 Instru SEC 2024-28 I Sem Document preparation and presentation software</a></u>
IT Skills and Data Analysis -I	<u><a href="#">12 Maths SEC 2024-28 I Sem IT Skills and Data Analysis - I</a></u>
Bioinoculants For Agriculture And Sustainable Development	<u><a href="#">13 Micro SEC 2024-28 I Sem Bioinoculants For Agriculture And Sustainable Development</a></u>
Yoga in Practice	<u><a href="#">14 Phy Edu SEC 2024-28 I Sem Yoga in Practice</a></u>
Front end Web design and Development	<u><a href="#">15 PHY SEC 2024-28 I Sem Front End Web Designing Tools.pdf</a></u>
Chemistry Lab Operation and Safety Measures	<u><a href="#">16 Pol Sc SEC 2024-28 I Sem Chemistry Lab Operation and Safety Measures</a></u>
Basic IT Tools	<u><a href="#">17 Zoology SEC 2024-28 I Sem Basic IT Tools.pdf</a></u>

## Pool of available GE courses for the Batch of 2024-admissions (1 Semester)

Available GE Courses* (*subject to change)	Link to the syllabus
Molecules of Life	<a href="#"><u>1 Biochem GE 2024-28 1 Sem Molecules of Life.pdf</u></a>
Concepts in Biotechnology	<a href="#"><u>2 BMS GE 2024-28 I Sem Concepts in Biotechnology.pdf</u></a>
Biofertilizers	<a href="#"><u>3 Botany GE 2024-28 I Sem Biofertilizers.pdf</u></a>
Basic Concepts of Organic Chemistry	<a href="#"><u>4 Chem GE 2024-28 I Sem Basic concepts of Organic Chemistry.pdf</u></a>
Programming with C++	<a href="#"><u>5 Comp Sc GE 2024-28 I Sem Programming with C++.pdf</u></a>
Fundamentals of Electronics	<a href="#"><u>6 El Sc GE 2024-28 1 Sem Fundamentals of Electronics.pdf</u></a>
Readings on Indian Diversities and Literary Movements	<a href="#"><u>7 Eng GE 2024-28 1 Sem Readings on Indian Diversities and Literary Movements.pdf</u></a>
Food Processing and Preservation	<a href="#"><u>9 FT GE 2024-28 1 Sem Food Processing and Preservation.pdf</u></a>
Foundations of Psychology	<a href="#"><u>10 Hum Comm GE 2024-28 1 Sem Foundations of Psychology Syllabus (1).pdf</u></a>
Fundamental of Instrumentation	<a href="#"><u>11 Instrumentation GE 2024-28 1 Sem Fundamental of Instruments.pdf</u></a>
Fundamentals of Calculus	<a href="#"><u>12 Maths GE 2024-28 1 Sem Fundamentals of Calculus.pdf</u></a>
Introduction And Scope Of Microbiology	<a href="#"><u>13 Micro GE 2024-28 1 Sem Introduction And Scope Of Microbiology.pdf</u></a>
Fitness and wellness	<a href="#"><u>14 Physical Education GE 2024-28 I Sem Fitness and wellness</u></a>
Waves and Optics	<a href="#"><u>15 Physics GE 2024-28 1 Sem Waves and Optics.pdf</u></a>

## Pool of available GE courses for the Batch of 2024-admissions (1 Semester)

Available GE Courses* (*subject to change)	Link to the syllabus
Polymer and Environment	<a href="#"><u>16 Pol Sc GE 2024-28 1 Sem Polymer and Environment</u></a>
Nature and Wildlife studies	<a href="#"><u>17 Zoology GE 2024-28 1 Sem Nature and Wildlife Studies GE Sem I.pdf</u></a>

**(Please Note : List is subject to change based on any directions from University of Delhi).**

### **GE course selection/ allotment:**

The college offers GE based on Merit cum Preference basis. Here *Merit* refers to previous exam result available. *Preference* refers to the order of course filled by the student. Based on their interest, students would be given an option to choose 4-5 courses in order of their preference. These courses will be selected from amongst the different GE courses floated by all the departments other than your parent department (where you are enrolled in the college for undergraduate studies) e.g. If you are enrolled for B.Sc.(H) Electronic Science, the Department of Electronic Science will be your parent department. GE course can be selected from various courses offered by Departments other than Electronic Science like Mathematics, Chemistry, Computer Science, Polymer Science etc.

The students will be ranked based on their normalised marks in the class. One such higher rank student will be allotted GE first. Highest preference/rank for one student will be exhausted first, as per number of seats offered by each department. If the need arises then only one's lower preference will be explored sequentially. The student will be allotted one such course, in each semester with the highest preference possible.

Keeping the constraints of courses to pursue PG in specific fields, the college has fixed GE option w.e.f. 2022-23 for few Programmes. For such Programmes, remaining semester GE courses may be explored as per interest (merit cum preference only), if not fixed for other stream students and seats are available. The Table I given below explains the same. The constraint of minimum two or more courses, if any, has to be completed by the student only by the option available through DSE or Merit cum Preference GE allocation only. The students of the Programmes with fixed GE in a particular semester would be given higher preferences in respective semester only.

Please note the following:

- Students admitted through Sports Quota will be given Physical Education unless he/ she opt out from the same.
- Filled cells of Table I show fixed GE courses as mentioned above. The student will be given the fixed GE for the defined semester unless he/she opt out from the same.
- All blank cells will allow them to opt for any other GE course based on Merit cum Preference basis.

## **Online Allotment of GE:**

Following norms will be adopted for the online GE allotment.

1. Preferences will be taken from each student for GE-1/ GE-2/ GE-3/ GE-4 etc. through google form that would be shared at the beginning of each semester, if not fixed as per Table I.
2. As per directions of University of Delhi, students will not be given credits for studying two different courses having similar content. Students are, therefore, strictly advised NOT TO SELECT SUCH COURSES that they have already studied in any of their previous semesters may be in elective or in core courses.
3. Students must thoroughly check the prerequisites for all the Electives and should choose only those wherein they fulfill the desired prerequisites.
4. Allotment is purely based on Merit cum Preference basis as per the number of seats offered by a department concerned. Remember this allotment will only be semester based and not fixed for all semesters.
5. Last available normalized result will be used for deciding the merit of the student with a penalty of 5% in case of Essential Repeat/ Compartment (ER), if any.
6. The result of XII class (Four subjects viz Course Eligibility Criteria + One Best Language) will be considered for GE-1 and GE-2.
7. Total result of I Semester exams will be used for GE-3 respectively.
8. Total result of I year exams will be used for GE-4 likewise.
9. Online preferences will be considered for GE-1 only upto a particular period as decided by the college.
10. To avoid any further fluctuations in the already allotted GE-1, the GE option will be allotted manually for the students admitted later based on the vacant seats only.
11. In case of result on the CGPA basis, available result will be multiplied by a factor of 10 to fill the result in percentage or total marks.
12. For students whose result is not available or declared by the University, for whatever reasons, at the time of filling GE form, the result of the last annual examination passed will be considered.
13. The allotted GE will be visible on the college website and in no case, it will be changed after allotment.
14. Students not submitting the form in the stipulated time, may get a penalty of 5-10% marks to decide upon the GE allocation.

## **Online Allotment of DSE/ SEC/ VAC**

The allotment of DSE, SEC and VAC is also merit cum preference based and the same norms would be followed as for GE courses, except that-

1. The students can opt for the DSE, SEC, VAC options offered by their own parent department as well as any other department.
2. The DSE, SEC, VAC options are not fixed for any department.

The students would be required to fill their preferences in the common Google form for GE, SEC, VAC and DSE (Shared later by the college).

**Table I: GE option matrix**

Programmes	GE-1	GE-2	GE-3/ DSE-1	GE- 4/DSE- 2	GE-5 & DSE- 3	GE-6 & DSE-4	GE-7/ DSE**	GE-8/ DSE* *	Option
B. Sc. (Hons) Biomedical Sciences									PCB Options from BC/ BMS/ MB/ Bot/ Zoo/ FT/ HC/ Chem/ Phy Ed only*
B. Sc. (Hons) Food Technology									
B. Sc. (Hons) Microbiology									
B. Sc. (Hons) Botany	Chemis try	Zoolog y							
B. Sc. (Hons) Zoology	Botany	Chemis try							
B. Sc. (Hons) Polymer Science	Maths								PCM Options from Elec/ Inst/ CS/ Phy/ PS/ Chem/ Phy Ed/ HC/ Maths only*
B. Sc. (Hons) Electronic Science		Maths							
B. Sc. (Hons) Chemistry			Maths						
B. Sc. (Hons) Computer Science				Maths					
B. Sc. (Hons) Instrumentatio n					Maths				
B. Sc. (Hons) Physics						Maths			

\*PCM/ PCB options may be taken if opted by a student and seats are available.

\*\*Choose three DSE course OR Choose two DSE and one GE course OR Choose one DSE and two GE courses

## **Assessment process under UGCF:**

The college strictly adheres to the regulations formulated by University of Delhi in the matters pertaining to syllabi, examination and evaluation. External Assessments are in-tune with the University guidelines and are notified from time to time on the college website and through notices. Apart from end semester examinations, Internal Assessment (IA) is also carried out through a mechanism specified by the University of Delhi. Most courses containing both theory and practical components have appropriate weightages that are assigned depending on the number of dedicated hours per week and as per the guidelines.

Academic calendars are prepared at the beginning of each semester and made available on the college website as well as on notice-boards of the departments. The dates for assessment submission are informed well in advance, helping students to plan accordingly. The schedule of other programmes like seminars, summer internship and projects are also displayed through the notices well in advance. The attendance and internal assessment records (assignments, home examinations and projects) are uploaded periodically on the college website. Same is also available on the college notice boards and can be easily accessed at any time by the student.

Assessment pattern of these courses is specified by University of Delhi from time to time and related notices can be assessed from the following links:

[\*\*LINK 1 AEC SEC VAC Evaluation\*\*](#)

[\*\*LINK 2 Assessment Pattern of UGCF courses\*\*](#)

**Practical Examination guidelines can be also be checked using the following Link:**

[\*\*LINK 3 NEP Practical Guidelines\*\*](#)

Ragging is a criminal offence. Any occurrence should immediately be reported to the Anti- Ragging & Proctorial Committee.



# INFRASTRUCTURE

# DEPARTMENT OF BIOMEDICAL SCIENCE

**Course Offered:** B. Sc. (Hons.) Biomedical Science

## Faculty Details:

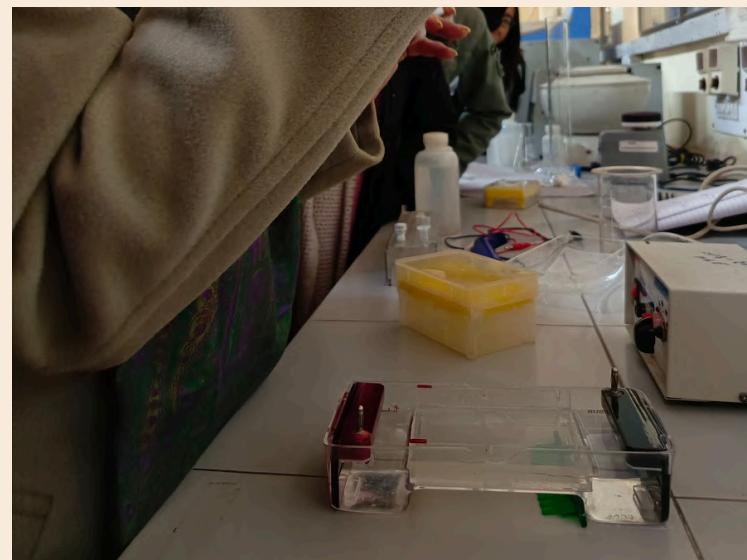
Faculty Name	Qualification	Specialization
Prof. Uma Chaudhry	Ph.D. (University of Delhi)	Medical Biotechnology
Dr. Shivani G. Varmani <i>(Teacher-In-Charge)</i>	Ph.D. (AIIMS, Delhi)	Medical Biochemistry and Biotechnology
Dr. Uma Dhawan	Ph.D. (University of Delhi)	Human Genetics and Bioinformatics
Dr. Kapil Roy	Ph.D. (University of Delhi)	Biophysics and Medicinal Chemistry
Dr. Neha Singh	Ph.D. (National Institute of Immunology, Delhi)	Human Physiology and Pathology

B. Sc. (Hons.) Biomedical Science program that prepares students for areas ranging from basic to translational research. Students study diverse subjects such as cell and molecular biology, biochemistry, bioorganic chemistry, human physiology, human pathology, human genetics, computational biology, biostatistics, medicinal chemistry, biophysics, pharmacology, toxicology and immunology. Besides lecturing and close interactions with the well-qualified faculty, regular assignments, presentations, seminars and field studies form the mandates of the course. All faculty members ensure that they are easily reachable and there is close interaction among the teachers and students. Concepts of peer learning and team spirit are emphasized among the students.

**Link to syllabus:** [Semester I](#), [Semester II](#), [Semester III](#), [Semesters IV-VI](#)

The aim of the department is to expose students to advanced learning and help them explore research opportunities. They are encouraged to work on research projects in reputed institutions, hospitals, or even within the college. This rigorous training not only gives early exposure to research but also helps them to gauge their research aptitude. Ample learning and research opportunities have also been provided through minor projects and other events organized.

The laboratories of the department are well equipped with all the facilities and instruments to help students gather practical skills such as UV-Visible spectrophotometers, thermal cyclers, gel documentation systems, refrigerated high-speed centrifuges, microtomes, microplate ELISA reader, digital colony counter, digital viscometer, melting point apparatus, binocular microscopes with camera and projection system as well as other instruments including electronic balances, autoclave, colorimeters, electrophoresis units, electro-blotting system, ice flaking machine, ovens, etc.



The Department of Biomedical Science has its society 'DNAmics', a joint enterprise of the students and teachers. The society has been formulated to educate the students about the latest findings, developments, and avenues in the field of Biomedical Science. To broaden the horizons of its stakeholders, the departmental society conducts events and activities to promote academic, extra-curricular, and socio-cultural linkages with peers in other colleges and institutions. To promote 'Learning beyond the classroom', students are encouraged to organize and participate in various co-curricular and extra-curricular activities.

The prospects for a Biomedical Science course look promising. With advancements in medical technology and the growing emphasis on healthcare, there's a demand for professionals who can conduct research, analyze data, and develop new treatments. Careers in areas like pharmaceuticals, biotechnology, healthcare, and academia are all viable options for graduates with a Biomedical Science background.

## DEPARTMENT OF BOTANY

**Course Offered:** B. Sc. (Hons.) Botany

**Faculty Details:**

Faculty Name	Qualification	Specialization
Prof. N. S. Abbas <i>(Teacher-In-Charge)</i>	Ph.D. (University of Delhi)	Plant Biotechnology
Dr. Sujata Bhardwaj	Ph.D. (Maharishi Dayanand University)	Ethnobotany and Ecology
Dr. Salam Sonia Devi	Ph.D. (University of Delhi)	Phycology
Dr. Shikha Srivastava	Ph.D. (University of Delhi)	Applied Microbiology and Biotechnology

The UG program is aimed at providing students a robust foundation in plant sciences, preparing them for diverse career paths in research, academia, and beyond. Botany has evolved into a highly interdisciplinary field. The course curriculum is student-centric, engaging, and thought-provoking. It is designed to keep abreast of the advancements in plant science, encompassing various aspects of the field. The various papers offered ensure that students receive a well-rounded education that is relevant to contemporary botanical research and applications. In addition to traditional classroom lectures, modern teaching aids (ICT tools) such as multimedia presentations, interactive simulations, virtual labs, and educational apps are used to enhance student learning and engagement. Fieldwork is also an integral component of our curriculum. By integrating modern teaching aids, modular course content, and intensive fieldwork into the curriculum, the goal is to provide enriching educational experience to the students.

**Link to Syllabus:** [Semester I](#), [Semester II](#), [Semester III](#), [Semesters IV-VI](#)

The department is committed to provide students with state-of-the-art facilities and resources to develop a comprehensive understanding of the biological sciences. From cutting-edge laboratories equipped with the latest instrumentation namely PCR machine, Refrigerated centrifuge, Binocular microscope, B.O.D. incubator, PC-based UV-Vis-Spectrophotometer, Autoclave, Laminar flow, Growth chamber, Electrophoresis apparatus, UV trans-illuminator, Ice Flaking Machine, Water purification system, etc. to expensive tissue culture facilities, the Department ensures that students have access to top-notch resources to facilitate learning, research, and innovation.

**PHYTOMICS:** The Botanical Society provides a dynamic platform for students to explore and nurture their passion by organizing a variety of activities and initiatives under the aegis of the Star College Scheme of the Department of Biotechnology (DBT), Government of India. Throughout the academic year, a diverse range of events, including regular lectures and workshops featuring distinguished guest speakers are organized to provide a holistic learning experience to the students.

These sessions cover a wide array of topics, from soil science and artificial intelligence applications in botany to phylogenetic biology and intellectual property rights (IPR) in plant research. Through visits to leading research institutions such as DIPSAR, JNU, IARI, FRI, NBPGR, NIPGR, NISCAIR, and more, students have the opportunity to learn about cutting-edge instrumentation techniques used in sciences. In addition to institutional visits, students are encouraged to participate in national conferences, seminars, symposia, workshops, and invited lectures both within and outside the college. These events provide valuable networking opportunities and to engage in groundbreaking research projects alongside faculty mentors, contributing to advancements in different scientific areas.

In addition to educational events, PHYTOMICS is actively involved in environmental stewardship initiatives such as tree planting drives and creating awareness about sustainable gardening practices. Furthermore, the society fosters inclusivity by supporting students with diverse learning needs and organizing remedial sessions for struggling learners to ensure that every student has access to the resources and support they need to succeed in their academic endeavors.



A degree in botany opens up a diverse array of career opportunities across various sectors due to its disciplinary nature. Graduates can pursue careers in fields like academia, R&D, ecology, environment conservation, forest services, agriculture and farming, plant biotechnology, plant pathology, molecular biology, horticulture, scientific writing and communication, herbal medicine, taxonomy, biochemistry, marine biology, restoration ecology, environmental impact analysis, agricultural research services, pharmaceutical companies and industries to name a few. The demand for botanists is indeed on the rise in various specialized fields like plant genetics, plant breeding, alternative medicine research, forensic botany, hydroponics, climate change adaptation studies etc. As society continues to grapple with complex issues such as food security, environmental sustainability, and public health, the expertise of botanists is increasingly sought after to find innovative solutions rooted in the power of plants. These are just a few examples of the diverse career paths available to botany graduates, highlighting the broad scope and relevance of botanical knowledge in today's world.

## DEPARTMENT OF CHEMISTRY

**Course Offered:** B. Sc. (Hons.) Chemistry

**Faculty Details:**

Faculty Name	Qualification	Specialization
Dr. Lalit Kapur ( <i>Teacher-in-Charge</i> )	Ph.D. (University of Delhi)	Inorganic Chemistry
Prof. Balaram Pani (on lien)	Ph.D. (Jawaharlal Nehru University)	Inorganic Chemistry, Environmental Chemistry
Dr. Swati Gupta	Ph.D. (University of Delhi)	Organic Chemistry

Faculty Name	Qualification	Specialization
Dr. Shailja Singh	Ph.D. (University of Delhi)	Organic Chemistry
Dr. Sampat Singh	Ph.D. (IIT, Delhi)	Physical Chemistry

The curriculum includes courses in the areas of inorganic, organic, physical, materials and analytical. All the courses have defined objectives and Learning Outcomes, which will help prospective students in choosing the elective courses to broaden their skills in the field of chemistry and interdisciplinary areas. The courses will train students with sound theoretical and experimental knowledge that suits the needs of academics and industry.

**Link to Syllabus:** [Semester I](#), [Semester II](#), [Semesters IV-VI](#)

The infrastructural facilities in this department includes experimentation laboratories for undergraduate students, research laboratories, instrumentation laboratory, book bank, BEST (Bhaskaracharya Environmental Sustainability Task-force), class-room with ICT and wi-fi facility for students and staff. The laboratories are well-equipped with sophisticated instruments that enable students to carry out all the experiments as prescribed in the syllabus. Besides these, there is an instrumentation laboratory for carrying out experiments in physical chemistry and analytical techniques. Moreover, there are dedicated laboratories to carry out research work in leading areas of chemistry that are equipped with sophisticated modern instruments being funded by BRNS, SERB, DST and University of Delhi. Modern teaching tools such as ICT (power-point) and virtual labs are employed. The students are encouraged to give presentations, attend workshops on current areas and to perform small projects to attain hands-on experience of the latest instruments.

The department of chemistry boasts its own active chemical society, ALCHEMY. ALCHEMY's mission is to foster well-rounded development in chemistry students. They achieve this by organizing a variety of engaging events throughout the academic year.



This course opens doors to a wide range of fields, including Chemical Industries, Environmental Science, Food Science, Forensics etc. It can be a stepping stone to further specialize through M.Sc. in Pharmaceutical Chemistry, Physical Chemistry, Analytical Chemistry, Computational Chemistry etc. Beyond these traditional areas, Chemistry graduates can find opportunities in Patent Law, Indian Civil Services, Data Science & Bioinformatics etc.

## DEPARTMENT OF COMPUTER SCIENCE

**Course Offered:** B. Sc. (Hons.) Computer Science

### Faculty Details:

Faculty Name	Qualification	Specialization
Ms. Manu Kataria	M.C.A. (Himachal Pradesh University, Shimla)	Computer Graphics, Operating System
Dr. Bhavya Deep	Ph.D (Banasthali Vidyapeeth, Rajasthan)	IoT, Environmental Engineering, Cloud Computing, Recommender Systems
Prof. Sangeeta Srivastava	Ph.D (University of Delhi)	Software Engineering, Data Mining and Machine Learning
Ms. Arti Dua <i>(Teacher-in-charge)</i>	M.C.A. (Guru Gobind Singh Indraprastha University, Delhi)	Network Steganography, Network Covert Channels
Mr. Parveen Kumar	M.E. (University of Delhi)	Artificial Intelligence, Algorithms
Dr. Jayant Sharma	Ph.D (CMJ University, Meghalaya)	Data Mining
Dr. Asha	Ph.D (Maharshi Dayanand University, Rohtak)	Data Mining

The goal of the Department of Computer Science is to provide quality education to undergraduate students, equipping them with the essential theoretical, intellectual, and analytical skills needed to thrive in an ever-changing and highly competitive environment. This course emphasizes the fundamentals of computer programming and software development. It aims to provide students with a solid theoretical foundation and practical experience in software development.

The college ensures that both faculty and students have internet access through a Wi-Fi network and offers e-Journal facilities at various locations. The department's faculty are actively engaged in research and encourage students to participate as well. Focusing on the holistic development of students, the department regularly organizes workshops and seminars to keep students technologically adept in the ever-growing IT industry.



### **Link to syllabus: Semester I**

The Department features three spacious, air-conditioned laboratories equipped with more than hundred and fifty computers and various IT peripherals such as scanners, projectors, and printers. These laboratories house several multimedia computers with Pentium processors, loaded with the latest software platforms and curriculum-recommended tools like Python, C++, Java, SQL Server, Ubuntu etc.

The Department has its own society, CS.Net which thrives due to the combined efforts of faculty, students, and non-teaching staff. Every year, CS.Net hosts the Inter-college Annual Techno-Cultural festival "INTERFACE" and organizes various workshops, seminars, talks etc.

Students majoring in computer science can pursue postgraduate studies in courses like M.C.A., M.Sc. Computer Science and more. They also have a better chance of landing a job after graduation because the demand for computer engineers is constantly increasing. Another good route for them to get hired by a major company is through campus placement.

## DEPARTMENT OF ELECTRONIC SCIENCE

**Course Offered:** B. Sc. (Hons.) Electronic Science

**Faculty Details:**

Faculty Name	Qualification	Specialization
Prof. Manoj K. Khanna (on lien)	Ph.D (University of Delhi)	Microelectronics and VLSI designing
Prof. Geeta Mongia	Ph.D (University of Delhi)	Optical Data Storage
Prof. Inderbir Kaur	Ph.D (University of Delhi)	Amorphous Semiconductors

Faculty Name	Qualification	Specialization
Prof. Avneesh Mittal	Ph.D (University of Delhi)	Genetic Algorithm and Adaptive Controls
Dr. Manoj K. Tiwari <i>(Teacher-in-Charge)</i>	Ph.D (University of Delhi)	Microwave Photonics
Ms. Shweta Gupta (on study- leave)	M.Sc. (University of Delhi) Ph.D. (Pursuing), University of Delhi	Modeling and Simulation of Semiconductor Devices
Dr. Jitender Kumar	Ph.D (University of Delhi)	Electronics
Prof. Amit Kumar	Ph.D (University of Delhi)	Electroluminescent Materials & Devices

Degree in B.Sc. (Hons.) Electronic Science covers all the key knowledge areas required to become a successful Electronics Professional. It equips students with a broad foundation of the fundamentals of Electronics and associated subjects and provides students with skills which are required to design electrical, electronic, computer, automation and communication systems.

The course includes subjects like Analog and Digital Electronics, Signals and Systems, Electrical Machines, Communication, Microprocessor and C programming language. Practicals based on simulators like PSPICE, QUCS, SCILAB, etc. are also included in the curriculum. This degree provides comprehensive opportunities to the graduates to explore and attain the zenith of success in research & development, aerospace and defense electronics, design, testing, quality control, and project management.

#### **Link to syllabus: Semesters IV-VI**

The Electronics Laboratory is well equipped with latest state-of-the art instruments such as Cathode Ray Oscilloscopes (CRO) & Digital Storage Oscilloscopes (DSO) (100MHz), CRO demonstration kits, Pulse Generators, Function Generators, Power Meter, Analog and Digital I.C. tester, LCR Q-meter, 8085 and 8086 Microprocessor kits, Microcontroller trainer, Interfacing modules and cards, Universal Programmer, various communication modules experimental kits, LASER kits, Antenna trainer kits, PCB design Unit, AVR Microcontroller and Arduino Kits etc. The Department also has a well equipped computer laboratory with various simulation software installed to facilitate the students to gain expertise in IT skills

Department has its society named ‘SPARKS’ which organizes various activities like Workshops/ Conferences/ lectures/Seminars/ Technical Fest, etc. every year under the guidance of eminent personalities from the academia and industries.



After graduation, students can pursue higher studies in Electronics or Information technology from University of Delhi, Indian Institute of Technology, Jamia Millia University, Kurukshetra University, Devi Ahilya University, Banasthali Vidyapeeth University, etc. The students are also eligible to pursue MBA and MCA from various esteemed institutes.

## DEPARTMENT OF FOOD TECHNOLOGY

**Course Offered:** B. Sc. (Hons.) Food Technology

**Faculty Details:**

Faculty Name	Qualification	Specialization
Dr. Rizwana ( <i>Teacher-in-Charge</i> )	Ph.D (Jamia Hamdard, Delhi)	Food Technology
Dr. Vandita Gupta	Ph.D (University of Delhi)	Food & Nutrition
Prof. Shalini Sehgal	Ph.D (National Dairy Research Institute, Karnal)	Food Microbiology & Food Safety
Prof. Eram Shahid Rao	Ph.D (Barkatullah University, Bhopal)	Food Science & Nutrition
Prof. Meenakshi Garg	Ph.D (Chaudhary Charan Singh Haryana Agricultural University)	Food Processing & Packaging

Faculty Name	Qualification	Specialization
Ms. Manisha Thakur	M.Sc. (Central Food Technological Research Institute, Mysore); Ph.D (pursuing), Jamia Hamdard , Delhi	Food Technology

Food Technology is a scientific understanding and technical approach towards food. B.Sc. (Hons.) programme in Food Technology is of four years duration and split into eight semesters. Food Science is a blend of biology, chemistry, physical sciences, and engineering studied together to understand the nature of foods, the causes of their deterioration, and the principles underlying food processing. Therefore, Food Science and Technology is a multidisciplinary subject, which includes subjects such as Chemistry, Biology, Engineering, Nutrition, Microbiology, etc. and is not a program to enhance technical skills. The course contents have been so designed that it can keep pace with the rapidly growing food industry. The New Education Programme of the University of Delhi aims to structure the teaching-learning experiences in a more student-centric manner. The curriculum focuses to enhance the students' knowledge, skills and aptitude in the field of food technology. In the four year plan, the last two semesters VII & VIII, students will be getting an experience of doing research on their respective topics and will be involved in documenting a formal dissertation on the same along with hands on experience of writing research report and performing experiments, analyzing results and eventually framing various research articles. This will be done under the supervision of experienced faculty members.

The department also undertakes educational tours, conducts seminars and encourages industrial training. Students are encouraged to undertake summer projects in research laboratories of national repute and food Industries.

**Link to Syllabus:** [Semester I](#), [Semester II](#), [Semester III](#), [Semesters IV-VI](#)



The Department of Food Technology is dedicated to providing comprehensive education and research opportunities in the field of food science and technology. Our department is equipped with facilities to support theoretical concepts, practical learning and innovative research. Food Technology Department has two Food Technology laboratories, where students can explore various aspects of food processing, preservation, and quality control. We also have a Food Safety and Microbiology Lab, this lab is designed to teach students about food safety practices and microbiological analysis. Along with these we have one instrumentation room that has highly sophisticated equipment essential for precise analytical work, key instruments include spectrophotometer, tintometer, etc. We are equipped with a small Pilot Plant, used for understanding food production processes from the lab to industrial levels. It provides students with practical experience in operating and managing food production equipment. It has a Canning Unit, Automatic Milk Processing Plant, Bakery unit, various packaging machines etc. Our department has a Sensory Lab also attached to the Pilot Plant, which is designed for sensory evaluation & quality analysis of food products. For exploring research interests we have a special dedicated R& D lab which supports advanced experiments aimed at innovating and improving food products and processes. It has Texture analyzer, Gas chromatography, Soxhlet apparatus, etc. helpful in the analysis. It is a hub for conducting cutting-edge research that contributes to the advancement of food technology.

To break the monotony of classes, to groom students' talent and to enhance their knowledge, different activities are organized by the department under the department society. The Food Technology society, 'Ambrosia', plays a key role in organizing such events, solely managed by the students and mentored by the faculty. Various activities organized under ambrosia. An Interactive Session on "Career Aspects of Food Technology" by an Alumni, Mr. Monu Chaurasiya was organized on November 24, 2023. Recipe Competition of 'Mighty Millets' sponsored by Kanegrade Flavours and Ingredients Pvt. Ltd. and Lecture on innovation in action conducted on April 10, 2023. Reel making competition on " water is life ,water is food" leaves no one behind, held on October 16, 2023. Also, the departmental fest of 2024 of Biomedical Science, Food Technology and Polymer Science was organized on February 24, 2024. To showcase the artistic talent of students, Poster making competition on "Millets: ancient grains for modern wellness was conducted on September 30, 2023.

Graduation in Food Technology have promising future prospects across various industries and sectors due to the growing emphasis on food safety, sustainability, health, and technological innovation. Here are some key areas where food technology graduates have flourished and can build rewarding careers. To name a few, Food Industry and manufacturing, Quality assurance and control, Research and development, Sustainable and environmental impact careers, Govt. Jobs, Food Safety and Regulation, Nutrition and Health, Academic and Research career, Entrepreneurship, Consulting and advisory roles and many more. Graduate students of food technology have diverse and dynamic career opportunities ahead of them.

With their expertise, they can contribute to solving global challenges related to food processing, security, sustainability, quality and health. By staying abreast of industry trends and continually enhancing their skills, food technology graduates can play pivotal roles in shaping the future of the food industry.

# DEPARTMENT OF INSTRUMENTATION

**Course Offered:** B. Sc. (Hons.) Instrumentation

## Faculty Details:

Faculty Name	Qualification	Specialization
Prof. Geeta Bhatt (on lien)	Ph.D. (University of Mumbai)	Material Science (Semiconductor Thin Films)
Dr. Jitender Kumar <i>(Teacher-in-Charge)</i>	Ph.D (University of Delhi)	Electronics (Nanomaterials for device applications)
Ms. Shweta Dua	MSc. (Jamia Hamdard University); Ph.D. (Pursuing), University of Delhi	Material Science, Carbon quantum dots
Mr. Manoj Kumar	MSc. (University of Delhi) Ph.D. (Pursuing), University of Delhi.	Opto-electronics
Dr. Amandeep Kaur	Ph.D. (University of Delhi)	Material Science, Nanocomposites based Vapor Sensors.
Dr. Yagyadatta Goswami	Ph.D. (University of Delhi)	MPPT Algorithm, Photovoltaic Cell, MEMS Capacitive Accelerometer.

Instrumentation is a specialized field which deals with the science and technology of measurement that provides service to not only physical, chemical and biological sciences; but also to all branches of engineering and medicine. Bhaskaracharya College of Applied Sciences is the only co-educational college in the University of Delhi, offering a Bachelor of Sciences (Hons.) course in Instrumentation based on NEP 2020. The main objective of NEP 2020 Instrumentation is to logically translate the proven research ideas into reliable and effective but simple, elegant and handy instruments and gadgets. This will facilitate not only development of high-tech products in diverse fields but also the teaching of advanced techniques in the frontline research.

The Instrumentation division of Electronic Science perseveres in becoming a Centre for Excellence in Biomedical, Industrial, Analytical and Optical Instrumentation along with ML, AI, IoT, Embedded system, and control engineering for higher level learning, Research and Consultancy. The division aims at imparting high quality education to students and professionals leading them to global competence.



#### **Link to syllabus: Semesters IV-VI**

The college has a specialized Instrumentation laboratory which provides practical expertise to the students and trains them to design, develop, maintain and troubleshoot instruments that are being used in varied fields like Automation and Control, Process Industries, Medicine, Quality Control etc. The laboratory is equipped with state-of-the-art instruments like NI My RIO, NI My DAQ, and NI ELVIS-II Educational Laboratory Virtual Instrumentation Suite supported by LabVIEW full development system from National Instruments and NI USB Data Acquisition Card, to help students interface and integrate real time signals and data. The laboratory also acquaints students with devices used in process and control industries like ratio control trainer, differential pressure transmitter, various flow meters such as electromagnetic, orifice meter, ultrasonic etc. It also has advanced transducer and instrumentation trainer, temperature transducers, strain gauge trainer etc. Students learn to design and develop small projects on high performance microcontroller (8051) and microprocessor (8085) kits which are provided with interfacing modules like temperature controller, elevator simulator interface, stepper motor etc. The laboratory also boasts of training students in sophisticated biomedical and analytical instruments like ultrasound machine, pacemaker, heart rate monitor cum ECG trainer, UV-VIS Spectrophotometer, flame photometer etc. Students also find opportunity to do hands-on power electronics equipment like induction motors and other drives.

The Instrumentation department has a society named “Sensors Society” which has been regularly organizing various seminars, workshops, talks by experts and industrial visits which apart from facilitating the learning process; help students in exploring and honing their creative, communication and problem solving skills.

This course imparts knowledge and prepares skilled manpower that can design, develop, use and maintain various advanced instruments and creates bright career prospects. The students are eligible for pursuing M.Sc. Instrumentation, M.Sc. Electronics, M.Sc. IT, M.Sc. Operational Research, M.Sc. Forensic Science, MCA, M.Tech and MBA from various Universities across India.

# DEPARTMENT OF MICROBIOLOGY

**Course Offered:** B. Sc. (Hons.) Microbiology

## Faculty Details:

Faculty Name	Qualification	Specialization
Dr. N. Vijaya Kumar ( <i>Teacher-in-Charge</i> )	Ph.D. (Jawaharlal Nehru University, Delhi)	Molecular Biology
Dr. Purnima Anand	Ph.D (University of Delhi)	Environmental Microbiology
Dr. Ruchi Gulati Marwah (on leave)	Ph.D (University of Delhi)	Industrial Microbiology
Dr. Pawas Goswami	Ph.D. (National Dairy Research Institute, Karnal)	Dairy Microbiology
Dr. Ratyakshi	Ph.D. (IIT, Delhi)	Nano Biotechnology
Dr. Neeru Bhagat	Ph.D. (University of Delhi)	Molecular Microbiology
Dr. Catherine S. Paul	Ph.D. (University of Delhi)	Molecular Virology

B.Sc. (Hons.) Microbiology deals with one of the most dynamic areas of biological sciences, as microbes are evolutionary and ecological pioneers and have a huge influence on our day-to-day life. These minuscule organisms play an indispensable and vital role in research in all areas of basic and applied sciences. It is an exceptionally broad discipline encompassing and integrating areas as diverse as Biochemistry, Cell Biology, Genetics, Molecular Biology, Environment, Agriculture, Immunology, Bioinformatics, and Biotechnology.

The course curriculum provides a balanced introduction to basic, applied, and advanced aspects of Microbiology and allied fields. The students are acquainted with the knowledge about all major groups of microorganisms, their influence and applications in our daily lives, and how their potential can be harnessed for the betterment of human life. The pandemic of COVID 19 is once again a stark reminder of the importance of this discipline.

**Link to Syllabus:** [Semester I](#), [Semester II](#), [Semester III](#), [Semesters IV-VI](#)

The Department of Microbiology has well-equipped and furnished laboratories to provide hands-on training to our undergraduate students. The laboratories are equipped with state-of-the-art equipment such as Biological Safety Cabinets, Monocular and Binocular Microscopes, Trinocular Microscope, Spectrophotometers, Thermal Cycler (PCR), UV-double beam Spectrophotometer, Autoclaves, Incubators, Centrifuges, Shaker incubators, Electrophoresis set up, Cooling cabinet, Reverse Osmosis water purifier, Gel Documentation System, Hybridization oven, Mini Spinner, dry heating block, etc. to carry out various microbiological, biochemical and biotechnological experiments.

The department society “SUKSHMJEEV” organizes a variety of academic and co-curricular activities like seminars, workshops, awareness programs, competitions, visits, hands-on training, alumni interactions, etc. for the holistic development of our students. This year, the society initiated the program ‘Shodh Vaarta’: Journal Club to develop research aptitude in students and to make them learn different aspects of research. It provides a platform for interaction among students, faculty members and various academicians invited from renowned institutions.

Every year several inter-college activities during the annual department festival ‘Microquest 24’ were organized. These included expert talk, co-curricular, and extra-curricular competitions such as streak art, debate, doodle, quiz, microcastle, and scientific idea presentation. The editorial board of the society publishes the departmental magazine “Life Under Lens” which provides a platform to the students, alumni, and faculty members to showcase their creativity, literary and communication skills. The department has a strong network with our alumni both in India and abroad. Our distinguished alumni come to the college from time to time to deliver lectures to our students and keep them abreast about the latest developments in the field of microbiology and related areas. Besides all these activities, the students also actively participate in several in-house research projects that go beyond their curriculum and foster their interest and research aptitude.

The University Gold Medal Award for Microbiology for the year 2023 was received by our student Ms Jyotsana Bidaliya. The prestigious Microbiologists Society of India’s best student award (MBSI-2022-23) was bagged by Mr. Kuntak Saha. A project was sanctioned on the topic 'Antimicrobial Biocomposite Gel Prepared through Green Synthesis of Silver Nanoparticles' to Ms. Shivi Nahare in which she received 12 lakh rupees funding under MSME hackathon 3.0.



The department has an interdisciplinary and interinstitutional approach. It encourages students to go for training and internships in other departments and institutes. The students visit industries and/or institutes such as the Regional Center of Biotechnology (RCB) and IIT to conduct experiments related to their projects, and Yakult, AIIMS, etc. to increase their knowledge base. The department is also a nodal point for the MoU signed between the Department of Microbiology, MDS University, and the college.

Every year our students after graduating get placed in reputed higher education institutes in India and abroad like IITs, AIIMS, IISERs, RCB, various central universities, University of Cambridge, University of Manchester, Illinois Institute, Chicago, Michigan State University etc. to name a few. Microbiologists are also employed in a variety of industries ranging from Biotechnology, Food, Dairy, Pharmaceuticals, Public and global health, Scientific writing, Environmental organizations, to Hospitality.

## DEPARTMENT OF PHYSICS

**Course Offered:** B. Sc. (Hons.) Physics

**Faculty Details:**

Faculty Name	Qualification	Specialization
Prof. Anand Bharadvaja	Ph.D (University of Delhi)	Molecular Physics
Prof. Vandana Batra	Ph.D (University of Delhi)	Cosmic Rays
Prof. Meetu Luthra <i>(Teacher-in-Charge)</i>	Ph.D (University of Delhi)	G.T.R and Cosmology
Dr. Partha S. Pal	Ph.D (University of Delhi)	Computational Physics
Dr. Ramesh Kumar	Ph.D. (IIT, Delhi)	Applied Optics
Dr. Sandeep Kumar	Ph.D. (IIT, Delhi)	Solid State Materials
Dr. Herendra Kumar	Ph.D (University of Delhi)	Atomic and Molecular Physics

Physics is the branch of science that examines and offers a logical framework to understand the world around us, focusing on matter, energy, space and time. The department strives to introduce the underlying concepts and understandings of Physics to its students in a subtle way. The theoretical knowledge of the subject is very well substantiated by the practical and computational aspects. The course structure ensures interdisciplinary training, teamwork and hands-on learning which provides an all-round development of the student in not only the academic field but also industry. All the faculty members are actively involved in research and many undergraduate students have successfully carried out research projects under their guidance. Few of the students have research papers in Scopus indexed journals with their supervisors.

**Link to syllabus:** [Semester I](#), [Semester II](#), [Semester III](#), [Semester IV](#), [Semester V](#) and [VI](#)



The Department has state-of-the-art laboratories with all latest and sophisticated equipments needed to help the students have an experimental insight into the subject as prescribed by the syllabus. Some of the key equipment include Colour Digital Storage Oscilloscope, Microprocessor Kits, Spectrometers, LCR Q-testers, Laser Kits, Universal Interferometer, Ultrasonic Grating Experimental Kit with CCD Camera, P-E Hysteresis Experiment Kit, Digital I.C. Testers, nanotechnology lab equipment etc.

The Department has a society named QUBIT which organizes various talks, guest lectures of eminent academicians and quality improvement programs on various research and teaching themes. Its aim is to foster teamwork among students, faculty, and staff interested in physics. The society also organizes various educational trips/visits to research institutes and laboratories to provide our students with an exposure to research facilities. The society organizes an annual Physics fest “Episteme” which is a celebration of physics, a perfect blend of knowledge and fun.

The department endeavors to provide education in Physics of the highest quality at the undergraduate level and produce graduates of the caliber sought by industry, the institutes and the public service offices. The department will continue to encourage and pursue research of the highest quality in the areas where basic and advanced principles of Physics are used, and maintain BCAS's position as one of DU's leading colleges in these fields. And in this journey, it will continue to attract outstanding students from all backgrounds and provide an intellectually stimulating environment in which students have the opportunity to develop their skills and instill enthusiasm in them and motivation to do the best of their potential. The department plans to collaborate with other universities and research institutes for advanced research activities and also provide students with a global outlook on research.

# DEPARTMENT OF POLYMER SCIENCE

**Course Offered:** B. Sc. (Hons.) Polymer Science

**Faculty Details:**

Faculty Name	Qualification	Specialization
Prof. Saroj Kumar Shukla <i>(Teacher-in-Charge)</i>	Ph.D. (University of Gorakhpur)	Conducting polymers and Bio-Polymers
Prof. Sidhharth Sirohi	Ph.D. (IIT, Delhi)	Controlled Polymerization, Nanoencapsulation & Composite Nanofibers
Prof. Susmita Dey Sadhu	Ph.D. (IIT, Kharagpur)	Polymer Blends and composites, Polymer Nanocomposites, Recycling, Polymer in packaging
Dr. Krishna Dutt	Ph.D. (Chaudhary Charan Singh University, Meerut)	Polymer Recycling, Thermoplastic Elastomer, Rubber Technology, Biodegradable Polymers
Dr. Anil Barak	Ph.D. (University of Delhi)	Anionic Polymerization, Controlled Radical Polymerization and Nanocomposites
Dr. Umesh Kumar	Ph.D. (University of Delhi)	Nano-hybrid Polymers
Dr. Anoop Kumar Saini	Ph.D. (IIT, Indore)	Nanomaterials, Coordination Polymer

B.Sc. (Hons.) Polymer Science course is a unique multidisciplinary course running successfully in Bhaskaracharya College of Applied Sciences since 2004. No other College of Delhi University offers this course. The broad components of course include Polymer Technology, Polymer Processing Technology, Fibre Science, Rubber Technology, Chemical Technology, Polymer Testing Specifications, Recycling and Waste Management, Polymer Blends & Composites, Paints, Coating and Adhesives, Packaging Technology and Tyre Technology. This program is designed to provide a fundamental understanding of polymer science, engineering and technology. It gives an exposure to the students to latest developments in polymeric materials to develop skilled manpower for the fast-expanding polymer industry in India.

**Link to syllabus:** [Semester I](#), [Semester II](#), [Semesters IV-VI](#), for more details, please see Department of Polymer Science Blog: [Department of Polymer Science: Infrastructure \(polybcas.blogspot.com\)](#)

The Department of Polymer Science has well equipped laboratories to train the students with synthesis, processing and testing of different polymers. The facility of laboratories is enough to meet the requirements of industrial standards. A few notable equipments of the department are Injection



Molding Machine, Compression Molding Machine, Two-Roll Mill, Single Screw Extruder, FT-IR Spectrometer, TG-DTA-STA7300, UV- Visible Double Beam Spectrophotometer, Abrasion Resistance Tester, Hydraulic Pellet, Muffle Furnace, Izod/Charpy Impact Tester etc.

PEARLS, Departmental Society, is a vibrant platform at which students get the opportunity to participate in popular lectures of eminent Professors & Scientists from various institutions. It improves awareness of students towards latest research and developments in the field of polymer science. Employment opportunities for polymer science students exist in the following areas: Polymer manufacturing, Polymer processing, Mold and Die designing, Fibre Technology etc. In addition to the industrial placements, a large number of students go for higher studies in reputed institutes like IITs, IISc, CIPET, Indian Institute of Packaging, other state universities like Gujarat University, Forest Research Institute, Indraprastha University etc.

## DEPARTMENT OF ZOOLOGY

**Course Offered:** B. Sc. (Hons.) Zoology

**Faculty Details:**

Faculty Name	Qualification	Specialization
Prof. Sidhharth Sirohi <i>(Teacher-in-Charge)</i>	Ph.D (IIT, Delhi)	Nanomaterials & Polymer Nanocomposites, Controlled Polymerization
Dr. Alivia Roy	Ph.D (University of Delhi)	Molecular Endocrinology
Dr. Anjali Saxena	Ph.D (University of Delhi)	Molecular Biology
Dr. Satyam Dwivedi	Ph.D. (University of Delhi)	Ecotoxicology
Dr. Amit Kumar Singh	Ph.D. (University of Delhi)	Environmental Genomics

The course was introduced in the academic session of 2017-18 to allow undergraduate students to better comprehend the biological life within and around them. Although the department is one of the youngest in the college it has, within a short span of time, achieved commendable goals in its organization, operations, and academic growth.

Zoology allows us to comprehend evolution, taxonomy and systematics, physiology, biochemistry and molecular aspects, genetics, embryo development process, and many other elements of the animal world. The curriculum of this course provides comprehensive theoretical as well as practical knowledge of Zoology. The curriculum also focuses on enhancing the skill of undergraduate students by offering skill-enhancement papers (Sericulture, Apiculture, Fisheries, etc.) so that they may have a future as entrepreneurs or may join skill-based industries. The curriculum of B.Sc. (H) Zoology aims to provide comprehensive knowledge of the subject by conducting trips to zoological parks, research organizations, national parks, industries and research institutes related to various disciplines of the subject.

**Link to Syllabus:** [Link 1](#), [Link 2](#), [Link 3](#), [Link 4](#)

The department has two well-equipped laboratories with projector facilities and high-end scientific instruments for conducting practicals such as Binocular and Trinocular microscopes, B.O.D. incubator, PC-based UV-Vis Spectrophotometer, Refrigerated centrifuge, Deep Freezer, Digital blood cell counter, Digital hemoglobin reader, Digital blood analyzer, UV trans- illuminator, Ice Flaking machine, Glucometer etc. Also, a tissue-culture laboratory is present that is furnished with all the essential equipment like Laminar Flow, Orbital Shaker, Growth chamber, etc.

Since its genesis, the department has diligently worked to deliver knowledge to its students in the best possible way. The department also encourages its students to join research projects, field work and summer internship programs. The department is also actively involved in organizing workshops and seminars to provide hands-on-learning exposure to students.

The department organized following curricular/co-curricular events in the academic year 2023-24: visit to CIIDRET and CIF of University of Delhi, South Campus; National workshop on 'Raising awareness on Urban air quality, climate change, health and E-resilience'; seminar on 'International Education Reimagined'; visit to Indian Agricultural Research Institute (IARI) Division of Entomology, Pusa, New Delhi etc.



Involvement of the department in a student's life does not end at the level of academics. It takes the initiative to guide, counsel and prepare students in helping them face the current and future hurdles of life, especially related to career. Also, various fun-filled and creative activities are organized by the department to nurture the talent of students.

The young and growing mind of an undergraduate student should be nurtured graciously and cautiously. Zoology has a huge potential in the field for research. The future scope is not only limited to research but extends to various other professional roles such as jobs in academic institutions, pharmaceutical industry, forest and animal conservation organizations, government and non-government departments related to agriculture & animal husbandry, etc.

## DEPARTMENT OF BIOCHEMISTRY

### Faculty Details:

Faculty Name	Qualification	Specialization
Dr. Anita Sondhi <i>(Teacher-in-Charge)</i>	Ph.D (University of Delhi)	Medical Biochemistry

Biochemistry is a very interesting body of knowledge. It is an endeavor into a field which enriches the study of the human system. In the present times, the study of Biochemistry is greatly influencing other fields like Life Sciences, Food Sciences, Biotechnology, Applied Sciences, Biomedical Sciences, Bioinformatics (Computational Biology), Patent law and Intellectual Property Rights, Clinical Research and Diagnostics, Agriculture, Molecular Biology and Molecular Diagnostics. Recognizing its importance and potential, the Department has been nominated as one of the Departments to receive funds under the Star

College Scheme of DBT since 2010 and has been awarded "Star Department Status" in the year 2017 by the Department of Biotechnology, Government of India. The Star-funds have been used for enriching the curriculum by introducing new practical, new techniques, conducting workshops, seminars, visits to institutes, organizing minor projects for students with an aim of motivating the students to take up higher studies or career in Biological Sciences.

Ever since its inception more than two decades ago, the College has added tremendously to the infrastructure catering to the students studying Biochemistry. The state-of-the-art Laboratory at the college is well equipped to take care of the needs of the students.



It familiarizes the students with the latest and the most sophisticated of equipment like Trans-Illuminators, Spectrophotometers (UV-Visible and Visible), Electrophoresis apparatus (Vertical, Horizontal, Slab, Paper, Rod), thin layer chromatography, gel filtration chromatography, orbital shaking incubator, quartz double- distillation water purification system, deep freezer, cooling cabinets and the use of equipments like vortex shaker, autoclave, centrifuge and laminar air flow chamber. The Department conducts a number of workshops and training sessions for the benefit of students.

## DEPARTMENT OF HUMAN COMMUNICATION

### Faculty Details:

Faculty Name	Qualification	Specialization
Dr. Madhulika Bajpai <i>(Teacher-in-Charge)</i>	Ph.D (University of Delhi)	Psychology



Psychology is a study of human behaviour and in the due course of learning, one tends to find more about oneself. The department deals with these aspects of human interaction in societal, organizational and most significantly individual contexts. Department offers different General Elective (GE) papers under the discipline of Psychology in the first four semesters. The Department has catered to various courses in the past with varied subjects to make our students confident, self-reliant and positioned to successfully take on further challenges in life. An emphasis is made to ascertain students' holistic growth, especially on their capability to find their place in the vocational world without losing themselves in due process.

Department faculty in association with various other committees has involved students in several activities of relevance to youth. Besides curriculum, an effort is made to take up individual or collective concerns and provide an effective solution to not just enrich their learning but improve their quality of life as well. There is due emphasis on providing students with an impetus and platform to be on the path of self-discovery and self-recovery.

## DEPARTMENT OF MATHEMATICS

### Faculty Details:

Faculty Name	Qualification	Specialization
Dr. Ragini Jindal <i>(Teacher-in-Charge)</i>	Ph.D. (Chaudhary Charan Singh University, Meerut)	Applied Mathematics
Dr. Neeru Sharma	Ph.D. (University of Delhi)	Functional Analysis



Understanding and competence in applying the fundamental mathematical tools is often required to do serious study in any field of sciences. Role of mathematics in various disciplines of Physical Sciences is well established. Mathematics and science have a long and close relationship that is of crucial and growing importance for both. Mathematics is an intrinsic component of science and indispensable source of intellectual tools. Reciprocally, science inspires and stimulates mathematics, posing new questions and engendering new ways of thinking. Fields such as Physics and Computer Science that have always been mathematical are becoming even more so. Sciences that have not been heavily mathematical in the past---for example, biology and Food Technology etc. are moving from description to analysis and explanation; demanding exploration with new mathematical tools. Progress in science requires close involvement and strengthening of the mathematical enterprise; new science and new mathematics go hand in hand. The Department of Mathematics, being an integral part of the college, has been catering to all the courses in the college. Department has well qualified and experienced faculty.

The Department room is well equipped with a computer, printer and scanner. The Department organizes lectures, seminars and various competitions for the students.

The department offers General Elective papers in mathematics to all the courses of the college. For more details regarding syllabus of GE1 and other GE papers of mathematics please refer to:

**Link to syllabus:** [Link 1](#)

[Link 2](#)

[Link 3](#)

## DEPARTMENT OF PHYSICAL EDUCATION

**Director:** Dr. Mohit Kumar, Ph.D (University of Delhi)

Promotion of Sports is one of the major concerns of our modern society. Excellence in sports is possible on the sound foundation of Physical Education and Movement Education. In the contemporary scenario, success in physical education and sports depends upon the quality of leaders who are well prepared through formal and informal acquisitions of multidimensional knowledge and training in the specialized discipline and its effective transaction. Having realized the challenges of the 21st century, the college felt a genuine need of setting up a most modern and well equipped Physical Education department with a firm commitment to produce innovative sports leaders, managers and administrators who will be proactive in facing health and fitness challenges with a mix of modern and traditional methods and approaches.



The department has ample infrastructure for facilitating the conduct of various sports activities throughout the year. The sports ground is used for organizing cricket and football matches and other recreational sports from time to time. We also have well maintained courts for basketball, volleyball and badminton. There are facilities for several indoor games such as carrom, chess and table tennis. The college has both indoor and open gym having adequate supplies of equipment designed for overall body workout. Yoga activities are also organized in college premises. The department focuses on mass participation of students for holistic development of students and staff. It organizes interdepartmental tournaments every year for college students and staff.

The department offers Generic Elective papers along with VAC and SEC for semester I to VI.

## DEPARTMENT OF ENGLISH

**Teacher-in-Charge:** Dr. Madhulika Bajpai, Ph.D. (University of Delhi)

**Faculty member:** Dr. Satyawati, Ph.D (Chaudhary Charan Singh University, Meerut)



The Department of English is one of the founding departments of the college. The English curriculum is impactful and rigorous, encouraging science students for the best interdisciplinary knowledge and outcome. The Department teaches English to students of all courses majoring in the Sciences stream.

From the academic year 2022-23, with the coming of National Education Policy, students can opt for various Value Addition Course, Skill Enhancement Course and Generic Elective courses through the department every semester. The courses offered ensure higher interest and utility pertaining to students of science background, ensuring maximum amount of intake and skill development.

Besides these, the department conducts frequent field trips curated by professional resource persons to augment students' academic learning in classrooms. We also organize multiple workshops and co-curricular skill-building sessions on different themes like creative writing, editing, translation, communication skills, media and publication, etc.

## DEPARTMENT OF ENVIRONMENTAL SCIENCE

**Teacher-in-Charge:** Dr. Pawas Goswami , PhD (National Dairy Research Institute, Karnal)

The Department of Environmental Science is committed to provide interdisciplinary knowledge in the field of environment, sustainability and their linkage with societal development and focus on sustainable solutions for conserving the environment and human health.

The prime aim of the department is to train students with scientific knowledge and technical skills in the field of environment to serve local and national level. The department is committed to create and effectively disseminate fundamental knowledge about the earth, its resources, and the natural processes. The department is currently offering Ability Enhancement Courses (AEC) and different Skill Enhancement Courses (SEC) relevant to environment and environmental issues.



The faculty practice novel teaching methods and assess students based on their overall development. Student's evaluation consists of continuous assessment throughout the semester. The faculty encourages students to take up opportunities in their area of interest, giving equal and special emphasis to each of the various options available to the students. The Department of Environmental Science organizes various educational and outreach activities regularly. The students can also take advantage of various associations and organizations which organize environmental events from time to time.

## DEPARTMENT OF HINDI

### प्रभारी शिक्षिका: सुश्री मनु कटारिया, एम.सी.ए. (हिमाचल प्रदेश विश्वविद्यालय, शिमला)

भास्कराचार्य कॉलेज ऑफ एप्लाइड साइंसेज दिल्ली विश्वविद्यालय का एक प्रमुख कॉलेज है और शीर्ष रैंक वाले कॉलेजों में से एक है। 1995 में स्थापित, यह विज्ञान और अनुप्रयुक्त विज्ञान के विभिन्न विषयों में स्नातक पाठ्यक्रम प्रदान करता है। नई शिक्षा नीति में जिस उद्देश्य से हिंदी भाषा के महत्व को सम्मिलित किया है, उसी उद्देश्य को सफल बनाने के लिए इस कॉलेज में हिन्दी को क्षमता संवर्धन कार्यक्रम (ईसी) एवं सामान्य वैकल्पिक कार्यक्रम (जीई) के रूप में पढ़ाया जाता है। इससे विद्यार्थियों की भाषण दक्षता एवं लेखन कौशल को बढ़ावा मिलेगा, साथ ही हिंदी सोशल मीडिया के विभिन्न माध्यमों तथा संप्रेषण की तकनीक एवं कार्यशाली की समझ विकसित होगी। कॉलेज का ध्येय छात्रों के सामाजिक, सांस्कृतिक तथा नेतृत्व कौशल को निखारना है, जिससे छात्र मानवीय मूल्यों एवं नैतिकता को आत्मसात कर सकें।

# LIBRARY

The College Library was set up in 1995 with the mission to cater to the information needs of the students and the faculty. The area, entry-exit and reading space for 6 faculty members. The top floor is mainly used as a reading room with a capacity of 100 users and a free air-conditioned Internet facility with 20 computers.

## Collection

The Library has a staking length of 3396 ft. having a strong collection of nearly 27329 volumes of books including reference books, 336 bound volumes of journals. The student books ratio of the library is 1:20. Library also has many CDs/e-DVDs of books and magazines. The library has developed a computerized record of more than 11000 journal articles with bibliographic details. These are used by students for their projects. Apart from the in-house collection, the library has full access to the thousands of journals online which are being subscribed to by the Central Reference Library (University of Delhi). The Library is also subscribing to N-LIST (National Library and Information Services Infrastructure of Scholarly Contents) Programme - (a collection of E-Resources under UGC-INFONET Digital Library Consortium) The college library is automated using an open source Library Management Software KOHA with web-OPAC facilities. The library uses RFID technology for many of its operations. Library has its own BLOG also and keeps updating regularly. The library committee organizes orientation and information literacy programme for the students/faculty such as Library Resources Awareness Programme for the first year students along with book exhibitions to cultivate reading habits among the stakeholders.

## Services and Facilities

- Web- OPAC – Web based Online Public Access Catalogue
- Air-Conditioned Internet Room freely available to the students and the faculty
- Article Indexing Service – Bibliographical details of the journal articles are computerized and disseminated to the users on demand
- Open Access
- Lending Service and Reference Service
- Newspaper Clippings



# STAFF COUNCIL COMMITTEES

College committees are typically formed to address specific tasks or issues within the institution. They can range from academic committees focused on curriculum development to administrative committees handling policies and procedures. Serving on a committee can provide valuable experience and insight into the workings of the college while also allowing students and faculty to contribute to decision-making processes.

**Link to Staff Council Committees- QR Code from minutes**



## HIGHLIGHTS OF SOME STUDENT CENTRIC COMMITTEES

### ALUMNI COMMITTEE

**Convener:** Dr. Ragini Jindal

The committee is actively involved in conducting various events, interactions / programmes involving alumni and students. The contribution of an institute to the society and nation can be judged by the achievements of its alumni. The BCAS Distinguished Alumni Award recognizes its outstanding alumni for their significant contribution to society. The award is presented annually to honor its alumni for bringing glory to the institute through innovation, excellence, exceptional leadership and inspiring others through their distinguished achievements. The distinguished alumni awards are under different categories like excellence in Academic/Research, Corporate/Industry, Government and Defence services, Public Administration, Entrepreneurial venture, Art/Culture/Sports and Service to the society at large. The Alumni Committee coordinates the process of the BCAS Distinguished Alumni Award.



# EXTRA-CURRICULAR ACTIVITY COMMITTEE

## Convener: Dr. Bhavya Deep

The Extracurricular Activity (ECA) committee plays a crucial role in fostering a vibrant campus environment beyond academic pursuits. The ECA committee is a cultural committee that offers a wide range of events and activities throughout the year. It gives an opportunity for students and various cultural clubs, such as Music, Dramatics, Dance, Modern and Fine arts, Photography, Literary and Debate clubs etc. to explore cultural activities. ECA empowers students to develop their interpersonal skills, explore their passions, and refine their talents.



From on-campus showcases to intercollegiate competitions, the ECA committee provides numerous opportunities for students to shine. Student participation in various events through ECA notably enriched their personal growth but also consistently brought recognition to the college. Organizing the annual college fest “SRIJAN” is indeed a key activity of ECA in college. “SRIJAN”, the annual cultural festival of Bhaskaracharya College of Applied Sciences, is a vibrant celebration of creativity, talent, and cultural diversity among students.

# EQUAL OPPORTUNITY CELL AND COMMITTEE

## Convener: Dr. Pawas Goswami

The Equal Opportunity Cell and Committee (EOC) for Inclusive Education is actively involved in various activities to provide equal opportunities to students from all walks of life. The committee conducts various activities like awareness campaigns, workshops and training sessions to educate the students. It ensures that no student faces discrimination based on any characteristic protected by law or policy.



## GENDER SENSITIZATION COMMITTEE

**Convener:** Prof. Inderbir Kaur

The Gender Sensitization Committee aims to offer a platform and support system for the students to understand and deal with social and cultural constructs of gender. The committee also generates awareness regarding equality in law, social system, and democratic activities. The ultimate goal is to create a positive values system and experiences that teach gender sensitivity and responsibility towards the rights of self and others.



Every year, the Gender Champions and Gender Volunteers make efforts towards facilitating an enabling environment, where all genders are treated with dignity and respect. They strive to strengthen the potential of the youth to advocate for gender equality. The committee organises events and competitions and undertakes various initiatives towards its goal.

## PROCTORIAL AND ANTI-RAGGING COMMITTEE

**Convener:** Dr. Sandeep Kumar

**Co-Convener:** Dr. Lalit Kapur

Proctorial and the Anti-Ragging Committee play crucial roles in maintaining a safe, disciplined, and academically rigorous environment in the college. The proactive and reactive measures of the committee ensure the well-being and success of students, fostering a positive and supportive campus culture. The students are responsible for their conduct within the college premises and are prohibited from doing anything, either inside or outside the college, which will amount to a breach of discipline or interference in the smooth functioning of the college. A student shall be liable to disciplinary action for any act of indiscipline. Disciplinary action may involve warning and/or suspension from classes, from the examinations, from the college library or even from the college. All the rules and norms as provided in Ordinance XV (B), XV (C) and XV (D) of the Rules of Discipline of the University of Delhi would be strictly adhered to in case of any act of indiscipline. The college has a zero-tolerance to ragging and a very strict anti-ragging policy. Kindly go through the document provided in the following link.

<https://bcas1.du.ac.in/student-corner/rules-and-regulations/>

## SPORTS COMMITTEE

### **Convener:** Prof. Anand Bharadvaja

Promotion of Sports is one of the major concerns of our modern society. Excellence in sports is possible on the sound foundation of Physical and Movement Education. In the contemporary scenario, success in the physical education and sports, depends upon the quality of leaders who are well-prepared through formal and informal acquisitions of multidimensional knowledge and training in the specialized discipline and its effective transaction.

The college has ample infrastructure for facilitating the conduct of various sports activities throughout the year. The sports ground is used for organizing cricket and football matches and other recreational sports from time to time. We also have well-maintained courts for basketball, volleyball and badminton. There are facilities for several indoor games such as carrom, chess and table tennis.



The college has both indoor and open gym having adequate supplies of equipment designed for overall body workouts. There is a sufficient stock of recurring items available for various sports activities. The sports committee organizes interdepartmental tournaments for 10 different sports for students, celebrates the Annual Sports Day and Annual Athletic Meet every year to encourage mass participation of students in sports.

## NATIONAL CADET CORPS

### **Convener:** Dr. Ramesh Kumar

The National Cadet Corps (NCC) is the youth wing of the Indian Armed Forces. It is a Tri-Services Organisation, comprising the Army, the Navy, and the Air Force wings. NCC (Army Wing) has been newly raised at Bhaskaracharya College of Applied Sciences in academic year 2023-24 with effect from November 22, 2023. Currently, 22 NCC cadets are enrolled in the college at 7- Delhi Bn NCC. The NCC aims to develop character, discipline, leadership, a secular outlook, and a spirit of adventure among the youth. It also encourages the youth to consider careers in the armed forces. The motto of NCC is 'Unity and Discipline'.

NCC cadets of BCAS attended the NCC PM RALLY which was organized on 27 January 2024 in the General Cariappa parade ground, Delhi Cantt. There were many parts of the event, with the cycling, marching and cultural dances, but the highlight of the event was the motivation given by our Honourable Prime Minister.

Four cadets were the proud recipients of rank during the year 2023-24 in the rank ceremony that was held on 30 April 2024 at NCC Bhawan, Rohini.

1. JUO- Kartikey Sundriyal
2. CQMS- Shuyog Nautiyal
3. SGT- Gaurav Sehrawat
4. CPL- Aayush Tevathiya



NCC of the college organized an interactive session on “Role of NCC in Nation Building” and Prof. Balaram Pani, Dean of Colleges, DU was the Chief Guest and Maj. (Prof.) Sanjay Kumar Sharma, Coordinator, NCC, University of Delhi was the Guest of Honour. NCC cadets of the college participated in the Combined Annual Training Camps (CATC 2024), which was held from 06-15 May 2024 in DG NCC Parade Ground, Delhi Cantt, New Delhi.

## NATIONAL SERVICE SCHEME (NSS)

**Convener:** Ms. Manu Kataria

The NSS unit at BCAS functions under the guidance of a Faculty programme officer. Every NSS volunteer and Faculty programme officer have a maximum term of 2-years.

Through the National Service Scheme system at BCAS, students and faculty are able to participate in community work and develop a sense of involvement in nation-building activities. Every year, a wide range of activities is organized to channel the energy and idealism of the younger generation.

Activities of the NSS wing include Blood Donation Camps, Leadership Workshops, Summer Camps, National Awareness Programmes, participation in various government-sponsored activities, etc.





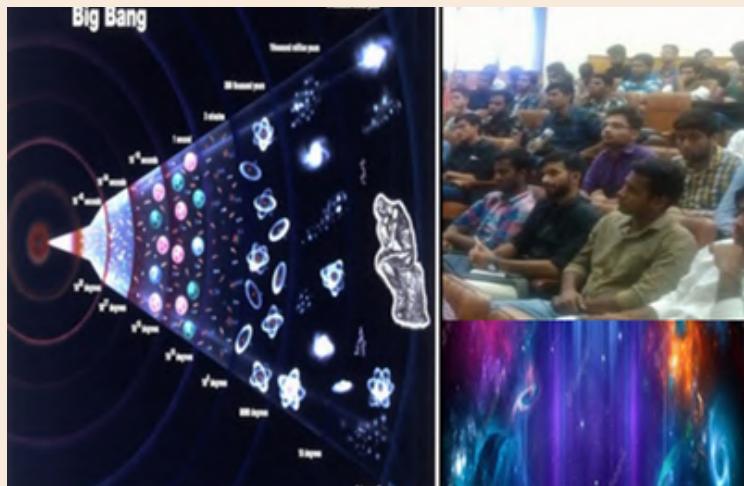
**CLUBS & CELLS**

# COLLEGE CLUBS AND CELLS

CLUBS	CONVENOR
Astronomy	Mr. Manoj Kumar
Capacity Enhancement & Literary	Dr. Satyawati
Dance	Dr. Asha
Debate	Dr. Alivia Roy
Dramatics	Dr. Kapil Roy
Eco	Dr. Amandeep Kaur
Film	Dr. Yagyadatta Goswami
Hindi Karyanvyan	Ms. Manu Kataria
IKS Club- विवस्वान	Dr. Shikha Srivastava
Modern & Fine Arts	Dr. Catherine S. Paul
Music	Dr. Salam Sonia Devi
Photography	Dr. Anil Barak
Positive Mental Health, Resilience and Wellbeing Club- Compassionate Crew	Dr. Madhulika Bajpai
Yoga	Dr. Mohit Sharma
CELLS	
Anti-Discriminatory Cell	Dr. Jitender Kumar
Anti-Drugs and Tobacco Cell	Dr. Anil Barak
Bhaskaracharya Cell	Dr. Sampat Singh Chauhan
North-East and Regional Inclusiveness Cell	Dr. Salam Sonia Devi
Training Placement and Entrepreneurship Cell	Dr. Manoj Tiwari
Women Development Cell (WDC)	Prof. Meenakshi Garg

## ASTRONOMY CLUB

“Universe- A mystery yet to unveil”. Who hasn’t marvelled at the celestial wonders and experienced a sense of awe at being a part of such an infinite expanse? Astronomy club seeks to build on this fascination and brings innovation and passion to its vision of spreading the awareness and knowledge of astronomy and space sciences to the students.



The club aims to arouse the inquisitiveness among students for studying and finding the answers to the various unresolved problems of the mysterious Universe by organising various exciting events like Quiz Competition, Educational trips, lectures, documentary movies, etc. every year.

## CAPACITY ENHANCEMENT & LITERARY CLUB

Capability Enhancement and Literary Club is a skill centric and ability enhancement club. The club actively encourages students to take part in writing, oratory, and other personality development soft skills for their intellectual and artistic growth through various competitions, webinars, field trips and talk sessions. The club office-bearers strive to efficiently plan, organize and execute various Inter and Intra college events and club activities. The club conducted a genre swap story recitation competition called “Switch tales” on 8 March, 2024.



The event aimed to explore the imaginative and storytelling power of the participants and the motive was to enhance their creative side. After exceptionally well and brilliant stories recited by the participants, the Guest of honor and judge Mr. Kisnaa Anita Birhman and Mr. Rahul respectively announced the winners. Winners were rewarded with cash prizes and certificates. On March 15, 2024 with a one-day workshop on “The Role of Reading in Liberating Imagination”, wherein the guest speaker was Mr. Kunwar Nitin Pratap Gurjar, IIT Delhi. The event aimed to underscore the importance and power of reading.

## DANCE CLUB

Dance Club, “RAGE” of BCAS believes in student expression, ideas, thoughts portrayed in the form of dance. Students work in teams with different art forms such as Classical, Semi-classical, Western, Regional, Folk to bind together, explore the art forms and learn to express themselves with the help of their talents in varying fields. As senior students of the RAGE take up sessions to grant the knowledge they have received over the years of practice, it motivates the team to participate in different inter and intra college competitions.



## DEBATE CLUB

Confianza, the Debate club of Bhaskaracharya College of Applied Sciences, is an arena where thoughts clash and rhetoric reigns supreme. The club unites quick thinkers, fact-finders, and vocabulary engineers who exemplify riveting arguments and righteous discussions. Whether you're a seasoned debater or a curious beginner, Confianza is your stage to ignite verbal wildfires on a spectrum of topics.

At Confianza, your voice becomes your power.



The club is focussed on creating intellectual stimulation, communication mastery, critical thinking and confidence building among the members.

Recently, two events were organized by the club, the details of which are as follows:

a) Intracollege debate competition on 'Artificial Intelligence will Replace Human Intelligence'

b) Intercollege Group Discussion on 'Character Clash: Dissecting the debateable'.

## DRAMATICS CLUB

Inspired by this quote 'DARPAN', the dramatic club of the Bhaskaracharya College of Applied Sciences, strives to be a true reflection of the world around us. The name DARPAN itself translates to "mirror" in Hindi, further emphasizing their commitment to this philosophy. Beyond entertainment, DARPAN's productions delve into the hopes, dreams, anxieties, and struggles of the people in our society. Their plays serve as a platform to explore contemporary issues, sparking conversations and raising awareness.

DARPAN had a busy and impactful year during the 2023-2024 academic session, organizing events that engaged both the college community and the wider public. As part of BCAS's annual cultural festival, Srijan '24, DARPAN hosted "Zami Parasti" (translation: Celebration of the Earth) - an inter-college street play competition. The event attracted over 15 colleges, showcasing a vibrant display of theatrical talent and social commentary.

Also organized a skit competition collaborating with the District Health Society, South West District, Delhi, focused on anti-tobacco awareness on February 27, 2024. This event leveraged the power of theater to educate and raise awareness about the harmful effects of tobacco use and to make healthy choices.



## ECO CLUB

Eco club 'Pranahi' is dedicated to promoting environmental awareness and sustainable practices among students. This year, it organized diverse activities such as plantation drives, Swachhta drives around the campus, a hands-on workshop on paper recycling, a best-out-of-waste competition, and a flower arrangement competition. Outreach efforts included Yamuna River cleaning in collaboration with the Sant Nirankari Foundation and the Ministry of Culture. To combat pollution, the club held a Sankalp Sabha on 'Red Light ON Gaadi OFF' at Dwarka Sector 2 traffic signal.

On World Earth Day, a bird nesting and sparrow breeding center was established on campus to support bird conservation.



Additionally, the "Plastic Lao Thaila Le Jao" campaign was launched in collaboration with Lakshay, an NGO, aiming to eliminate single-use plastic in Delhi. College has registered with Smart Campus Cloud Network to obtain objectives of Sustainable Development Goals and Carbon neutrality in college. These initiatives reflect Pranahi's commitment to fostering environmental stewardship and engaging the community in sustainable practices.

## FILM CLUB

Films encourage ideas and social commentary within communities. They have the power to express ideas of any culture and shape them. Art, especially film, is important because it gives us the ability to form lasting human connections by letting us share our experiences. The Film Odyssey was constituted to entertain, educate, and encourage students through films. This club aims to make and screen a wide range of films available to young people, which challenge, unite, educate, amaze, and inspire. The film club tries to capture the very essence of cinematography by preserving every notable memory of a student's journey through college. Members of the club are actively involved in making documentaries and short films for various activities happening in the college throughout the year.

# राजभाषा हिंदी कार्यान्वयन समिति

महाविद्यालय में हिंदी भाषा के प्रचार प्रसार एवं प्रशासनिक कार्यों में हिंदी के प्रयोग को प्रोत्साहित करने हेतु राजभाषा कार्यान्वयन समिति का गठन किया गया है। यह समिति राजभाषा विभाग, गृह मंत्रालय, भारत सरकार, हिंदी अनुभाग, शिक्षा मंत्रालय, भारत सरकार तथा हिंदी अनुभाग, दिल्ली विश्वविद्यालय द्वारा समय-समय पर जारी आदेशों/निर्देशों के अनुरूप समुचित कार्रवाई करेगी। यह समिति महाविद्यालय में राजभाषा के अधिकाधिक उपयोग को प्रोत्साहित करने हेतु विभिन्न स्तरों पर प्रतियोगिताएं/कार्यक्रम आदि आयोजित करते हुए इस दिशा में प्रयास करेगी।

भास्कराचार्य महाविद्यालय परिसर में हिंदी के प्रति जागरूकता लाने के उद्देश्य से दिनांक 17 नवंबर 2023 को एक दिवसीय कार्यशाला “प्रशासनिक एवं कार्यालयी कामकाज में हिन्दी का प्रयोग” का आयोजन किया गया था। महाविद्यालय के प्रशासनिक और गैर-शिक्षण कर्मचारियों के साथ बातचीत के दौरान श्रीमान जगदीश रामपौरी संयुक्त निदेशक, शिक्षा मंत्रालय, भारत सरकार ने बताया कि हिंदी में प्रशासनिक कार्य करने के कौशल को कैसे बढ़ाया जाए। उन्होंने कामकाज में हिंदी राजभाषा के महत्व को भी समझाया। इस कार्यशाला के माध्यम से प्रशासनिक और गैर-शिक्षण कर्मचारियों ने प्रशासनिक कार्यों में हिन्दी भाषा का प्रयोग करने का कौशल को सिखा।



## MODERN AND FINE ARTS CLUB

The Modern and Fine Arts Club known as “Akriti”, aims at encouraging and promoting creativity and cultural appreciation among students. The club organizes various intra and inter-college events like competitions, exhibitions and workshops to provide a creative platform where students can showcase their diverse art forms and artistic expression. Through these activities, the club promotes cultural awareness, encourages self-expression, and enhances the overall educational experience by integrating arts into college life.

Furthermore, it helps in building teamwork, leadership, and event management skills among students, contributing to their holistic development. For the academic year 2023-2024, Akriti has organized various events, some of the events were in collaboration with other departments of the college or external institutions.



## MUSIC CLUB

Music Club, "Moksha" of BCAS believes in students' expression in the form of music. Students are encouraged and guided to work in a team with instrumentalists and vocalists and provided with various platforms to explore and express their talents. They are also motivated to participate in various inter and intra college events to showcase themselves.



The club organized many activities and took part in the college fest Srijan. To celebrate regional language the club organized a regional song competition on February 27, 2024. the events encourage students to showcase their talents and increase confidence.

## PHOTOGRAPHY CLUB

Clickerati, the Photography Club, teaches the students and its members to capture the beauty of the world we live in. Being one of the most active club of the college, it regularly organizes workshops, photo walks, events around the city with the motive to learn some new skills every time.

Clickerati has always been a fascinating charm to the newcomers since its inception in the college. The club has been designed with the objective to offer leadership and skills in photography to the Young Photographers in our college.

The cub members get an opportunity to cover all the major and minor events organized in the college, also it organizes competition for students at intercollege and intracollege. Awards and certificates are given to the students in events organized in college and outside the college.



# POSITIVE MENTAL HEALTH, RESILIENCE AND WELL BEING CLUB

In recent years, the mental health of college students has garnered significant attention. Various stressors, including academic pressure, social adjustments, financial concerns, and the quest for personal identity, often accompany the transition to college. Also, one of the most significant barriers to seeking help for mental health issues is the stigma associated with mental illness. A mental health club plays a crucial role in combating this stigma by fostering an environment where open discussions about mental health are encouraged and normalized. By dispelling myths and misinformation, the club can encourage students to seek help without fear of judgment, ultimately promoting a more compassionate and informed campus community.

Thus, the recently introduced club, "Compassionate Crew: A Club for Positive Mental Health, Resilience, and Well-being, aims to serve as a beacon of support, promoting wellness and reducing stigma through peer mentoring. Peer mentoring can be highly beneficial for the students, offering advantages that span academic, social, and personal development areas. These concerns shall be addressed and resolved with peer support and in tandem with other related clubs and committees of the college with the help of workshops, experiential exercises, open mic events, and other tools as needed.

This club will be more than just an extracurricular activity; it will be crucial in fostering a healthy, supportive, and stigma-free environment. By promoting wellness, reducing stigma, and providing essential resources, the club can profoundly impact the students' mental health and overall well-being. In a time when mental health concerns are increasingly prevalent, this initiative is not only beneficial but essential for nurturing resilient, well-rounded individuals ready to thrive both academically and personally. We heartily welcome you to be a part of this supportive educational ecosystem.

## YOGA CLUB

Yoga is a science, a body of techniques that lead us to consciously connect with ourselves and with life, the experience of yoga. Yoga simply tells us to do a certain practice and then to feel the effect of that practice, with no dogmas attached. Over the years, yoga has evolved into a science of Health and Healing. It plays a very crucial role in the therapeutic purposes for modern epidemic Diseases like mental stress, obesity, diabetes, hypertension, coronary heart disease, and chronic obstructive pulmonary disease.

The overall purpose and goal of the Yoga club is to promote health and wellness by organizing fun, stress-relieving and educational activities. There are many activities organized by the Yoga club.



## ANTI-DISCRIMINATORY CELL

Anti-discrimination law refers to legislation designed to prevent discrimination against particular groups of people. Anti-discrimination laws are rooted in principles of equality, specifically, that individuals should not be treated differently due to the characteristics outlined above. Anti-discrimination laws are designed to protect against both individual discrimination (committed by individuals) and from structural discrimination (arising from policies or procedures that disadvantage certain groups). Anti-Discrimination Cell will

look after the related matters (if any) of depriving a student/ staff or group of students on the basis of caste, creed, language, ethnicity, gender, or different ability. This cell protects the rights of individuals without any prejudice to their appearance or lifestyle in the process of learning inside the college. The cell shall eliminate discrimination against or harassment of any individual in all forms by prohibiting it and by providing preventive and protective measures to facilitate its eradication and punishments for those who indulge in any form of discrimination or harassment. To equip students, faculty and staff with the knowledge of their legal rights and redressal of their grievances. On receipt of communication (by written/email) of issue/complaint / grievance related to Anti discriminatory cell , the same will be discussed with the concerned committee members / Authority.

The concerned committee shall investigate the cases directed accordingly. Suitable hearing would be given to the concerned and steps to resolve issues will be undertaken. The concerned shall be informed about the action taken by the committee. If any complaint / grievance is found invalid, the complainant and the person against whom the complaint is made will be informed accordingly. Attempts will be made to resolve issues within one month of receipt of communication. Activities carried out by the cell include conducting awareness programme sand organizing empowerment talk. The theme is understanding caste, creed, religion,language, ethnicity, gender, disability of access etc.



## ANTI-DRUGS AND TOBACCO CELL

This cell plays a critical role in keeping the college campus free from drugs and tobacco usage. The objectives includes spreading awareness to ensure a drug/substance-free campus, to educate and enable youth to reject illicit drugs. The students are motivated to participate in related programmes conducted. The cell also provides counseling for students who display tendencies towards drug/alcohol use.



The cell organizes awareness programmes in campus with the help of government-authorized agencies/ organizations and conducts poster presentations/street plays/ anti-drug rallies. in the campus premises on the ill effects of drugs Participation in the outreach programme such as taking pledge against drugs.

## BHASKARACHARYA CELL

The Bhaskaracharya cell of the college honors renowned Indian mathematician and astronomer from the 12 century through its work. Bhaskaracharya cell aims to enhance logical and analytical thinking of students keeping mathematics at the centre stage. The cell provides a platform to the students for organizing events related to mathematics like quizzes, discussions brain games, mathematical riddles, paper presentation & lectures by eminent personalities. The complete planning and execution of the activities of the cell is carried out by the student members of the cell in consultation with faculty members. The cell celebrated International Pi day and birth anniversary of Shri Bharati Krishna Tirthaji (Father of Vedic Mathematics) on March 14, 2024 by organizing a quiz on Vedic mathematics and poster making competition. Students from different departments participated in the competition. The competition improves the mathematical skills and knowledge of Vedic mathematics of the students.



## NORTH-EAST AND REGIONAL INCLUSIVENESS CELL

The North East and Regional Inclusiveness cell of the college aims in highlighting the rich cultural and traditional diversity of North East and other regional states of India. The cell provides a common platform to strengthen the bond between students from different states. Students coming from diverse backgrounds and different regions got an opportunity to interact, share and express their knowledge among each other. The cell aspires to organize many inter and intra college activities to promote awareness and celebrate the uniqueness of all the regional states.



The cell organized an essay writing competition on the topic “Unity in Diversity” on February 23, 2024. Students from different departments participated in the competition. To celebrate Matribhasha Diwas on February 27, 2024 the cell organized a creative writing competition on the topic “India-The land of Diversity” in their own mother tongue. The competition improves the writing skills of the students.

## TRAINING PLACEMENT AND ENTREPRENEURSHIP CELL

The Training Placement and Entrepreneurship Cell of the college is a platform and support system for the students to find placements after their courses of study in the college. A Pre-placement talk – “Preparing for Placement” was organized on February 21, 2024 to help the students orient themselves for upcoming placement drives and opportunities. The invited expert was Mr. Sunil Dua, Senior Regional Head of T.I.M.E. The event saw enthusiastic participation by students.

Some companies that approached the college for recruitments included Corilois



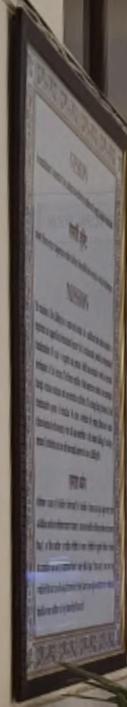
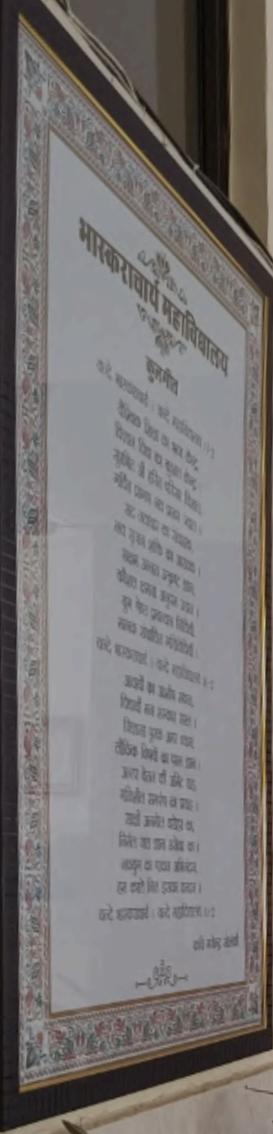
Technologies, AlfaTech Services, Sarabhai IT, Wipro, Google Operation Centre, Tata Consultancy Services (TCS), Uolo Edtech Pvt Ltd, eCourse, Aculife Healthcare Pvt Ltd, Hero MotoCorp Limited, Paisabazaar and Unacademy. The students were also encouraged to attend placement drives being organized in other colleges as well.

# WOMEN DEVELOPMENT CELL

The Women Development cell (WDC) at Bhaskaracharya College of Applied Sciences, plays a crucial role in fostering a supportive and empowering environment for women students and staff. It is dedicated to promoting gender equality and addressing issues related to women's safety, health, and overall well-being. The WDC organizes various workshops, seminars, and events focused on women's empowerment, self-defense, health and wellness, and sensitization towards gender issues. It provides a platform for discussing and raising awareness about women's rights, mental and physical health, and financial literacy. Additionally, the WDC engages in activities that promote social responsibility, such as fundraising drives for women's health, environmental initiatives, and community welfare projects. By creating a space for dialogue and education, the WDC aims to empower women, enhance their academic and personal growth, and contribute to building an inclusive and equitable campus environment. The Women Development Cell has been actively organizing events to promote women's empowerment, health, and social awareness. Key initiatives include a two-day self-defense training session for female students led by Head Constable Ms. Samita on February 08 and 09, 2024, and a Health and Wellness Counseling session on December 1st, 2023, covering stress management, nutrition, mental health, and physical fitness, with individual consultations. Additionally, a Women Sensitization Workshop was held on February 17, 2024, emphasizing the importance of women sensitization in today's society, while a National Seminar on "Transcending Indian Feminist Thought," organized by the University of Delhi on March 7, 2024, explored various aspects of Indian feminist thought. The WDC also organized a One Rupee Collection Drive for Women's Health to support women's health programs, an Exhibition cum Sale event featuring homemade pickles and Diwali diyas for community welfare and economic empowerment, and celebrated International Women's Day on March 11, 2024, with lectures on women's safety by Delhi Police and financial literacy by ICICI Bank. Other events included a Slogan Writing Competition and "Saree Mein Naree" to showcase talent and celebrate women's achievements, along with a Tambola Game and environmental initiatives like the "Plastic Lao, Bag Le Jao" event and a cloth donation drive, promoting social responsibility and empowerment. The WDC remains committed to fostering an environment of growth, awareness, and empowerment for women through these enriching and impactful events.



# COLLEGE RULES AND REGULATIONS



VICE-PRINCIPAL ROOM

UGC Network Resource Centre

LIBRARY

COLLEGE

OFFICE

DEPT.

VICE-PRINCIPAL ROOM

UGC Network Resource Centre

LIBRARY

COLLEGE

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# ADMISSION PROCEDURE

Admissions to all programmes will be done through a centralized counselling procedure. To minimize the number of rounds of counselling, and to start the academic session timely, the University may explore the possibilities of admitting candidates over and above the sanctioned strength in the initial rounds of counselling. Further details related to admission processes such as counselling, tie breaking, etc. will be notified separately.

## MIGRATION POLICY OF THE COLLEGE

### I. Migration from other colleges:-

1. The college would display the vacant seats to seek application based on total number of sanctioned seats in a programme only.
2. The admission will be based on the merit in their I year Term End Examination (TEE) (descending order) and as per norms of the University of Delhi.
3. The interested students should submit a NOC from the parent institution at the time of submitting the application.
4. The college admission committee would process such applications.
5. Class roll number would be issued once college fee is deposited by the student.

### II. Migration to other colleges:-

1. To avoid any audit objection, the college cannot afford to increase the number of vacant seats in a program.
2. The bonafide student of the college would be the one, who deposited college fee for the respective academic year.
3. Students would be permitted migration from a programme only if the number of students in a class is above the sanctioned strength + 10% (of sanctioned strength) only.
4. The number of such students as mentioned in point 3 will be given an NOC on first cum and first basis for each programme.
5. A merit list will be prepared based on the first year TEE result (ascending order) among all the students who would have applied for migration.
6. In case of simultaneous application by two or more students, the students will be given NOC as per merit list prepared.
7. The student who migrates to another college would be eligible for refundable security deposit only.
8. TICs would forward requests to the admission committee to process migration cases.

## ADMISSION UNDER ECA AND OTHER CATEGORIES

**Candidates desirous of taking admission under the supernumerary quota for ECA and/or Sports must appear in CUET (UG) - 2024.**

For admissions to ECA and Sports supernumerary seats a weightage of 25% will be given to CUET score and 75% to certificates/trials/performances.

# RELAXATION AND RESERVATION

## RESERVATION OF SEATS FOR SCHEDULED CASTE (SC) AND SCHEDULED TRIBE CANDIDATES

**Candidates desirous of taking admission under the Scheduled Caste (SC) and Scheduled Tribe (ST) must appear in CUET (UG) - 2024.**

22.5% of the total numbers of seats is reserved for Candidates belonging to Scheduled Caste and Scheduled Tribes (15% for Scheduled Caste and 7.5% for Scheduled Tribes, interchangeable if necessary). The Candidate must be in possession of the Caste/Tribe certificate in his/her own name at the time of Registration and Admission. The Caste certificate should clearly state:

1. Name of his/her caste/tribe
2. Whether candidate belongs to SC or ST
3. District and the State or Union Territory of Candidate's usual place of residence, and
4. The appropriate Govt. of India Schedule under which his / her caste / tribe is approved as SC or ST.

**Candidates will have to produce the valid original SC or ST certificate at the time of admission.**

The following are empowered to issue the requisite SC / ST certificate:

1. District Magistrate / Additional District Magistrate / Collector / Deputy Commissioner / Addl. Deputy Commissioner / Deputy Collector / 1st class Stipendiary Magistrate / City Magistrate / Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner.
2. Chief Presidency Magistrate / Addl. Chief Presidency Magistrate / Presidency Magistrate.
3. Revenue Officer not below the rank of Tehsildar.
4. Sub- Divisional Officer of the area where the Candidate and/ or his family normally resides.
5. Administrator / Secretary to the Administrator/ Development Officer (Lakshadweep Islands).

**Candidates to note that the SC / ST Certificate from any other person / authority shall not be accepted in any case.**

**If the Candidate happens to belong to SC or ST, Candidate's caste / tribe must be listed in the appropriate Govt. of India Schedule.**

It is a statutory obligation on the part of Colleges to fill all seats reserved for Scheduled Caste / Scheduled Tribe.

## RESERVATION OF SEATS FOR OTHER BACKWARD CLASSES (OBC-NCL, CENTRAL LIST)

**Candidates desirous of taking admission under the Other Backward Classes (OBC-Non Creamy Layer) must appear in CUET (UG) - 2024.**

27% seats are reserved for the Candidates belonging to Other Backward Classes (OBC -Non-Creamy Layer, Central List). At the time of giving admission to an OBC Candidate, the College will ensure that the caste is included in the CentralList of OBC (the OBC status is to be determined on the basis of the Central (Govt. of India) List of OBCs notified by the Ministry of Social Justice and Empowerment on the recommendations of the National Commission for Backward Classes (available at the website [http://ncbc.nic.in/backward\\_classes/index.html](http://ncbc.nic.in/backward_classes/index.html)). The certificate must mention non-creamy layer status of the Candidate (Non-creamy layer status issued by an authority mentioned in DOPT Office Memorandum no. 36012/22/93- Estt. (SCT) dated 15.11.1993).

The OBC Candidates who belong to the ‘Non-Creamy Layer’ and whose caste appears in the Central List of the OBCs only, shall be eligible to be considered for admission under the OBC category (Validity period of OBC certificate in respect of ‘non-creamy layer’ status of the Candidates as per DOPT Office Memorandum No. 36036/2/2013-Estt. (Res- I) dated 31 March 2016). The certificate should be issued after 31st March, 2024. It is a statutory obligation on the part of Colleges to fill all the seats reserved for OBC -NCL Candidates.

## **RESERVATION POLICY FOR ECONOMICALLY WEAKER SECTIONS (EWS)**

Candidates desirous of taking admission under the Economically Weaker Sections (EWS) must appear in CUET (UG) - 2024. As per the University of Delhi notifications (Reference No. Aca. I / Reservation of EWSs / 2019/ 63 Dated 28th March 2019 and Reference No. Aca. I / Reservation of EWSs / 2019 / 101 Dated 15th May 2019), for the reservation for Economically Weaker Sections (EWSs) Category, the University Departments / Centres / Colleges have reserved 10% seats for admission of candidates belonging to EWS category. The certificate should be issued after 31st March, 2024.

## **ADMISSION ON SUPERNUMERARY QUOTA**

Admission to all supernumerary quota seats will be through CUET (UG) - 2024.

Candidates desirous of taking admission on Supernumerary seats must appear in CUET (UG) - 2024.

### **Category**

**PwBD:** Persons with Benchmark Disabilities

**CW:** Children/Widows of Personnel of the Armed Forces including Para-Military

**ECA:** Extra-Curricular Activities

**Sports:** Sports

**KM:** Kashmiri Migrants

**PMSS:** Prime Minister's Special Scholarship for Jammu and Kashmir

**SS:** Nominated Sikkimese Students

**WQ:** Ward Quota of Employees of University of Delhi

**OQ:** Orphans Quota

## **PERSONS WITH BENCHMARK DISABILITIES (PwBD)**

Five percent (5%) of the total sanctioned strength in each Program are reserved for PwBD candidates. Separate Allocation results will be declared for candidates seeking admission under PwBD quota. For the format of PwBD certificate, refer to Admission website [www.admission.uod.ac.in](http://www.admission.uod.ac.in). Disability Certificates issued after 01.06.2021 must be as per the Gazette Notification no. 1736 (E) dated 05.05.2021 issued by the Department of Empowerment of Persons with Disabilities and applied through the UDID portal. However, Disability Certificates issued before 01.06.2021, will be considered as per other existing applicable rules and notifications of the Department of Empowerment of Persons with Disabilities and the University of Delhi. As per the Rights of Persons with Disabilities Act, 2016, a ‘person with benchmark disability means a person with not less than forty percent (40%) of a specified disability where specified disability has not been defined in measurable terms and includes a person with disability where specified disability has been defined in measurable terms, as certified by the certifying authority’.

It may be noted that the erstwhile Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995 (No. 1 of 1996), under which reservation for Persons with Disabilities in admissions was provided earlier has now been repealed. Person with benchmark disabilities falling within any of the following specified categories of disabilities as mentioned in the Schedule to the Rights of Persons with Disabilities Act, 2016 [See Clause (zc) of Section 2 of the said Act] are eligible to get the benefit of the said reservation.

#### **A. Locomotor Disability**

Locomotor disability (a person's inability to execute distinctive activities associated with movement of self and objects resulting from affliction of musculoskeletal or nervous system or both), including—

- 1. "Leprosy cured person"** means a person who has been cured of leprosy but is suffering from—
  - loss of sensation in hands or feet as well as loss of sensation and paresis in the eye and eye-lid but with no manifestation of deformity;
  - manifest deformity and paresis but having sufficient mobility in their hands and feet to enable them to engage in normal economic activity;
  - extreme physical deformity as well as advanced age which prevents him/her from undertaking any gainful occupation, and the expression "leprosy cured" shall be construed accordingly;
- 2. "Cerebral palsy"** means a Group of non-progressive neurological condition affecting body movements and muscle coordination, caused by damage to one or more specific areas of the brain, usually occurring before, during or shortly after birth;
- 3. "Dwarfism"** means a medical or genetic condition resulting in an adult height of 4 feet 10 inches (147 centimeters) or less;
- 4. "Muscular Dystrophy"** means a group of hereditary genetic muscle disease that weakens the muscles that move the human body and persons with multiple dystrophy have incorrect and missing information in their genes, which prevents them from making the proteins they need for healthy muscles. It is characterized by progressive skeletal muscle weakness, defects in muscle proteins, and the death of muscle cells and tissue;
- 5. "Acid Attack Victims"** means a person disfigured due to violent assaults by throwing of acid or similar corrosive substance.

#### **B. Visual impairment**

- 6. "Blindness"** means a condition where a person has any of the following conditions, after best correction
  - total absence of sight; or
  - visual acuity less than 3/60 or less than 10/200 (Snellen) in the better eye with best possible correction; or
  - limitation of the field of vision subtending an angle of less than 10 degree.
- 7. "Low-Vision"** means a condition where a person has any of the following conditions, namely:
  - visual acuity not exceeding 6/18 or less than 20/60 upto 3/60 or upto 10/200 (Snellen) in the better eye with best possible corrections; or

- limitation of the field of vision subtending an angle of less than 40 degree upto 10 degree.

### **C. Hearing Impairment**

8. **"Deaf"** means persons having 70 DB hearing loss in speech frequencies in both ears;
9. **"Hard of Hearing"** means person having 60 DB to 70 DB hearing loss in speech frequencies in both ears;
10. **"Speech and Language Disability"** means a permanent disability arising out of conditions such as laryngectomy or aphasia affecting one or more components of speech and language due to organic orneurological causes.

### **D. Intellectual Disability**

A condition characterised by significant limitations both in intellectual functioning (reasoning, learning, problem solving) and in adaptive behaviour which covers a range of every day, social and practical skills, including-

11. **"Specific Learning Disabilities"** means a heterogeneous group of conditions wherein there is a deficit in processing language, spoken or written, that may manifest itself as a difficulty to comprehend, speak, read, write, spell, or to do mathematical calculations and includes such conditions as perceptual disabilities, dyslexia, dysgraphia, dyscalculia, dyspraxia and developmental aphasia;

12. **"Autism Spectrum Disorder"** means a neuro-developmental condition typically appearing in the first three years of life that significantly affects a person's ability to communicate, understand relationships and relate to others, and is frequently associated with unusual or stereotypical rituals or behaviours.

### **E. Mental Illness**

"Mental illness" means a substantial disorder of thinking, mood, perception, orientation or memory that grossly impairs judgment, behaviour, capacity to recognise reality or ability to meet the ordinary demands of life, but does not include retardation which is a condition of arrested or incomplete development of mind of a person, specially characterised by subnormality of intelligence.

### **F. Disability caused due to Chronic neurological conditions, such as-**

13. **"Multiple Sclerosis"** means an inflammatory, nervous system disease in which the myelin sheaths around the axons of nerve cells of the brain and spinal cord are damaged, leading to demyelination and affecting the ability of nerve cells in the brain and spinal cord to communicate with each other;

14. **"Parkinson's Disease"** means a progressive disease of the nervous system marked by tremor, muscular rigidity, and slow, imprecise movement, chiefly affecting middle-aged and elderly people associated with degeneration of the basal ganglia of the brain and a deficiency of the neurotransmitter dopamine.

## **G. Blood Disorder**

**15. "Haemophilia"** means an inheritable disease, usually affecting only male but transmitted by women to their male children, characterised by loss or impairment of the normal clotting ability of blood so that a minor wound may result in fatal bleeding.

**16. "Thalassemia"** means a group of inherited disorders characterised by reduced or absent amounts of haemoglobin.

**17. "Sickle Cell Disease"** means a haemolytic disorder characterised by chronic anaemia, painful events, and various complications due to associated tissue and organ damage; "haemolytic" refers to the destruction of the cell membrane of red blood cells resulting in the release of haemoglobin.

## **H. Multiple Disabilities (more than one of the above specified disabilities)**

Multiple disabilities including deaf blindness which means a condition in which a person may have a combination of hearing and visual impairments causing severe communication, developmental, and educational problems.

**I. Any other category as may be notified by the Central Government.**

## **CONCESSIONAL/WAIVER OF FEES IN RESPECT OF PERSONS WITH BENCHMARK DISABILITIES (PwBD)**

- Candidates with physical disabilities pursuing various programs of study in the Faculties, Departments, Centres, and Institutions / Colleges of the University shall be exempted from payment of fees, including examination fee and other University fees, except Admission fee, subscription towards Delhi University students' Union and Identity Card fee(As per amendment to Ordinance X(4) of the University).
- PwBD Candidates who meet the merit for the Unreserved category/SC/ST/OBC-NCL/EWS and take admission in any of these categories will pay the fee relevant for a PwBD Candidate.
- As per the Executive Council Resolution No. 50 dated 03.11.2012, students with physical disabilities residing in different Hostels / Halls of the University are exempted from payment of all hostel fees and charges except refundable caution fee and the mess fees. Persons with Physical Disabilities who are students shall pay 50% of the Mess fee and the remaining 50% of their Mess Fee will be met by the University of Delhi. Similar norms are to be adopted by the Colleges in respect of PwBD Students residing in various hostels of the Colleges.
- PwBD students who are getting fellowships / financial assistance shall be exempted from payment of fees / charges / mess fees subject to the following conditions.

Value of Fellowship	Exemption of Fees waiver etc
Upto 3000/- per month	Fees waiver +50% Mess Subsidy
3001/- to 8000/- per month	Fees waiver but no Mess Subsidy
8001/- and above per month	No fees waiver and no Hostel Subsidy

## CHILDREN/ WIDOWS OF PERSONNEL OF THE ARMED FORCES (CW)

Five percent (5%) of seats are reserved for Candidates under this category, program-wise in all colleges. Candidates desirous of taking admission under the CW quota of the University must appear in CUET (UG) - 2024.

All such candidates have to upload the Educational Concession Certificate (ECC) issued by any of the following authorities on the proper letterhead:

- (a) Secretary, Kendriya Sainik Board, Delhi.
- (b) Secretary, Rajya Zila Sainik Board.
- (c) Officer-in-Charge, Record Office.
- (d) 1st Class Stipendiary Magistrate.
- (e) Ministry of Home Affairs (For Police Personnel in receipt of Gallantry Awards)

No other format shall be permissible. Proofs of the CW category in the form of ID card of parent or dependent, Medical card, Ration card, CSD card, etc. are not admissible in lieu of certificate in correct format. The priority must be clearly mentioned in the certificate. Certificates that do not mention the relevant priority will not be considered\*. Admission may be offered to the Children/Widows of Personnel of the Armed Forces (**Priority I to IX**) including Para-Military Personnel (**only Priority I to V**), in the following order of preference:

<b>Priority I</b>	Widows/Wards of Defence personnel killed in action;
<b>Priority II</b>	Wards of Defence Personnel disabled in action and boarded out from service with disability attributable to military service;
<b>Priority III</b>	Widows/Wards of Defence Personnel who died while in service with death attributable to military service;
<b>Priority IV</b>	Wards of Defence Personnel disabled in service and boarded out with disability attributable to military service;
<b>Priority V</b>	<p>Wards of Ex-servicemen and Serving personnel, including personnel of police forces who are in receipt of Gallantry Awards;</p> <ul style="list-style-type: none"> <li>• Param Vir Chakra</li> <li>• Ashok Chakra</li> <li>• Maha Vir Chakra</li> <li>• Kirti Chakra</li> <li>• Vir Chakra</li> </ul>

	<ul style="list-style-type: none"> <li>Shaurya Chakra</li> <li>President's Police Medal for Gallantry/President Gallantry Medal for the fire services personnel</li> <li>Sena Medal (Gallantry), Nau Sena Medal (Gallantry), Vayu Sena Medal (Gallantry), Tatrakshak Medal (Gallantry)</li> <li>Mention-in-Despatches</li> <li>Police Medal for Gallantry/Gallantry Medal for fire services</li> </ul>
<b>Priority VI</b>	Wards of Ex-Servicemen.
<b>Priority VII</b>	<p>Wives of:</p> <ul style="list-style-type: none"> <li>Defence personnel disabled in action and boarded out from service.</li> <li>Defence personnel disabled in service and boarded out with disability attributable to military service</li> <li>Ex-servicemen and serving personnel who are in receipt of Gallantry Awards.</li> </ul>
<b>Priority VIII</b>	Wards of Serving Personnel
<b>Priority IX</b>	Wards of Serving Personnel

\*The University may ask for supporting documents along with ECC. For details refer to CSAS (UG) 2024 to be published at the website of the University of Delhi

## **NOMINATION OF SEATS FOR SIKKIMESE STUDENTS (SS)**

Candidates desirous of taking admission under the Sikkim nomination scheme must appear in CUET (UG) - 2024. Sikkimese students nominated by the Govt. of Sikkim shall be considered for admission by the University in Colleges where hostel facilities are available (AC Resolutions 51 dated 05/06/1980 and 122 dated 17/12/1990). The allocation of Sikkimese students for admission as well as for hostel accommodation in respective colleges be made by the Vice- Chancellor at his discretion. The number of these nominated seats is detailed below:

<b>Program</b>	<b>Seats</b>
B.A. Program	3
B.A. (Hons.)	1
B. Com (Hons.)	2
B.Sc. Life Sciences/ Applied Life Sciences	2
B.Com.	4
B.A. Program	3

Program	Seats
B.A. (Hons.)	1
B. Com (Hons.)	2
B.Sc. Life Sciences/ Applied Life Sciences	2
B.Com.	4

## ORPHANS QUOTA (OQ)

Candidates desirous of taking admission under the supernumerary Quota for Orphans must appear in CUET (UG) - 2024.

The University of Delhi will be admitting two candidates (one male and one female) in each program of study, both at the Undergraduate and Postgraduate level. These two seats will be supernumerary. The Council of the University further resolved that the expenditure incurred for admission and continuance of study of such students in the University or its colleges shall be met from the University Welfare Fund or College Students' Welfare Fund, as the case may be, for admissions in the University or in the college. A candidate who wishes to seek admission under the orphans quota must possess a certificate from a Govt. recognized Orphanage/Charitable Home or Death certificate of both the parents.

As per University Notification No. Acad.I/Orphan Quota/2024-25/10 dated 16th January, 2024 -

**1.** Candidates seeking admission with effect from the Academic Session 2024-25 onwards under the Orphan Quota shall pay the following fees:-

1. Admission Fee - Rs. 10.00
2. Examination Fee - Rs. 10.00
3. Hostel Fee - Rs. 10.00

**2.** Students availing hostel accommodation shall pay Mess Fees as per actuals.

## EXTRA-CURRICULAR ACTIVITIES (ECA) AND SPORTS QUOTA

Candidates desirous of taking admission under the supernumerary quota for ECA and/or Sports must appear in CUET (UG) - 2024. For admissions to ECA and Sports supernumerary seats a weightage of 25% will be given to CUET score and 75% to certificates/trials/performances.

**Detailed information related to allocation of seats and admissions in the University will be published in the Common Seat Allocation System (Undergraduate)-2024 (CSAS (UG) - 2024). Candidates must refer to the website of the University for CSAS(UG)-2024 and other related details.**

## FINANCIAL AID AND AWARDS

**Fee Concession:** Limited number of fellowships are available for needy and deserving students as per the Delhi University rules. A student in need of financial assistance can contact the Convener, Students Advisory and Public Relations Committee of the College. The college gives 50% fee waiver/scholarship (50%, i.e. Rs.500/- per student at present and accordingly thereafter) for SC/ST students enrolled in the College from the Academic Year 2023-24. The fee concession will be applicable only to students admitted/enrolled on the reserved seats w.e.f. 2023-24.

**Scholarships:** Meritorious students are awarded scholarships by the Delhi Government. Exact details can be obtained from the college office.

**Best Student Awards:** The College gives awards for the all-round performance of the final year student, based on good academic record and active participation in co-curricular and extracurricular activities of the College. The best student awards of the college for the year 2023-24 have been awarded to Mr. Kuntak Saha (Male category) and Ms. Shivi Nahare (Female category) of Department of Microbiology.

**Memorial awards:** The college gives “Shyam Lal Memorial Award” every year to the “Student of the Year - Male category” of the college and “Anar Devi Memorial Award” every year to the “Student of the Year - Female category” of the College. The awards includes an amount of Rs. 3100/- and a citation in each category.

**Deepika Wanganoo Memorial Prize:** A prize is given every year to the topper of B.Sc. (Hons.) Electronic Science final year in the memory of Deepika Wanganoo, student of B.Sc. (Hons.) Electronics.

**Saurabh Grover Memorial Prize:** A prize is given every year to the topper of B.Sc. (Hons.) Physics final year in the memory of Saurabh Grover, student of B.Sc. (Hons.) Physics.

**Distinguished Alumni Awards:** The College announces distinguished alumni awards each year under categories as excellence in Academic / Research, Corporate / Industry, Government and Defense services, Public Administration, Entrepreneurial venture, Art/Culture/Sports and Service to the society.

## FEE STRUCTURE

### FEE STRUCTURE FOR FIRST YEAR STUDENTS FOR THE ACADEMIC YEAR 2024-25

1. Details of the annual fees to be paid by the candidate seeking admission to various courses are as per the details given below. The fee is required to be submitted online. Some changes may occur in the fee structure so students should see the college Notice Board before payment of fee, if offered admission.
2. The fee structure given does not include the examination fee which is to be submitted separately as per the University norms.



# भास्कराचार्य कॉलेज ऑफ अप्लाइड साईंसेस

(दिल्लीविश्वविद्यालय)



**BHASKARACHARYA COLLEGE OF APPLIED SCIENCES**

(UNIVERSITY OF DELHI)

Accredited by NAAC with Grade 'A++'; 2023 NIRF Rank-22 (College Category)



Ref. No.BCAS/2024/A/c's/.....



Date : \_\_\_\_\_

## College Fee Structure 2024-25

(All categories of Indian Students except PWD)

<u>S. No.</u>	<u>Fees Head</u>	<u>Amount (Rs.)</u>
1	Tuition Fee	2,500.00
2	College Facilities and Service Charges	4,000.00
3	University Student Welfare Fund	250.00
4	University Development Fund	1,200.00
5	University Facilities and Service Charges	1,250.00
6	Economically Weaker Section Support University Fund	200.00
7	Delhi University Students Union (DUSU)	40.00
8	World University Service Fee	5.00
9	University Special Fee (Sexual Harassment Fee)	10.00
10	N.S.S. Fee	20.00
11	College Student Welfare Fund	6,350.00
12	College Development Fund	1,000.00
13	Refundable Security Fees (One-time payment): College Security Fee – 6000/-* Library Security Fee – 4000/-	10,000.00
<b>Grand Total of Fees Amount</b>		<b>26,825.00</b>

\*Rs.3,100/- (Three Thousand One Hundred Only) would be adjusted at the time of completion of program for the **Registration of Alumni Association**.



Prof. Avneesh Mittal

Principal

Bhaskaracharya

(University of Delhi)

Sector-2, Phase-1, Dwarka, New Delhi-110075

**Officiating Principal**

# ORDINANCES

## A. ORDINANCE XV-B: MAINTENANCE OF DISCIPLINE AMONG STUDENTS OF THE UNIVERSITY

1. All powers relating to discipline and disciplinary action are vested in the Vice-Chancellor.
2. The Vice-Chancellor may delegate all or such powers as he/she deems proper to the Proctor and to such other persons as he/she may specify in this behalf.
3. Without prejudice to the generality of power to enforce discipline under the Ordinance the following shall amount to acts of gross indiscipline:
  - Physical assault, or threat to use physical force, against any member of the teaching and non-teaching staff of any Institution / Department and against any student within the University of Delhi
  - Carrying of, use of or threat to use of any weapons
  - Any violation of the provisions of the Civil Rights Protection Act, 1976
  - Violation of the status, dignity and honour of students belonging to the scheduled castes and tribes
  - Any practice-whether verbal or otherwise-derogatory of women
  - Any attempt at bribing or corruption in any manner
  - Willful destruction of institutional property
  - Creating ill-will or intolerance on religious or communal grounds
  - Causing disruption in any manner of the academic functioning of the University system;
  - Prohibition of Ragging as per Ordinance XV-C.
4. Without prejudice to the generality of his / her powers relating to the maintenance of discipline and taking such action in the interest of maintaining discipline as may seem to him/her appropriate, the Vice-Chancellor, may in the exercise of his / her powers aforesaid order or direct that any student or students -
  - Be expelled; or
  - Be, for a stated period rusticated; or
  - Be not for a stated period, admitted to a programme or programmes of study in a College, department or institution of the University; or
  - Be fined with a sum of rupees that may be specified; or
  - Be debarred from taking a University or College or Departmental Examination or Examinations for one or more years; or that the result of the student or students concerned in the Examination or Examinations in which he /she or they have appeared be cancelled.
5. Institutions, Halls and teaching in the concerned Departments. They may exercise their authority through, or delegate authority to such of the teachers in their Colleges, Institutions or Departments as they may specify for these purposes.
6. Without prejudice to the powers of the Vice-Chancellor and the Proctor as aforesaid, detailed rules of discipline and proper conduct shall be framed. These rules may be supplemented, where necessary, by the Principals of Colleges, Heads of Halls, Deans of Faculties and Heads of Teaching Departments in this University.

Each student shall be expected to provide himself/herself with a copy of these rules. At the time of admission, every student shall be required to sign a declaration that on admission he/she submits himself /herself to the disciplinary jurisdiction of the Vice-Chancellor and several authorities of the University who may be vested with the authority to exercise discipline under the Acts, the Statutes, the Ordinances and the rules that have been framed therein by the University.

## **B. ORDINANCE XV-C: PROHIBITION AND PUNISHMENT FOR RAGGING**

1. Ragging in any form is strictly prohibited, within the premises of College/ Department or Institution and any part of Delhi University system as well as on public transport.
2. Any individual or collective act or practice of ragging constitutes gross indiscipline and shall be dealt with under this Ordinance.
3. Ragging for the purposes of this Ordinance, ordinarily means any act, conduct or practice by which dominant power or status of senior students is brought to bear on students freshly enrolled or students who are in any way considered junior or inferior by other students; and includes individual or collective acts or practices which:
  - Involve physical assault or threat to use of physical force.
  - Violate the status, dignity and honour of women students.
  - Violate the status, dignity and honour of students belonging to the scheduled caste and tribe.
  - Expose students to ridicule and contempt and affect their self-esteem.
  - Entail verbal abuse and aggression, indecent gestures and obscene behavior.
4. The Principal of a College, the Head of the Department or an Institution, the authorities of College, or University Hostel or Halls of Residence shall take immediate action on any information of the occurrence of ragging.
5. Notwithstanding anything in Clause above, the Proctor may also suo moto enquire into any incident of ragging and make a report to the Vice-Chancellor of the identity of those who have engaged in ragging and the nature of the incident.
6. The Proctor may also submit an initial report establishing the identity of the perpetrators of ragging and the nature of the ragging incident.
7. If the Principal of a College or Head of the Department or Institution or the Proctor is satisfied that for some reason, to be recorded in writing, it is not reasonably practical to hold such an enquiry, he/she may so advise the Vice-Chancellor accordingly.
8. When the Vice-Chancellor is satisfied that it is not expedient to hold such an enquiry, his/ her decision shall be final.
9. On the receipt of a report under Clause (5) or (6) or a determination by the relevant authority under clause (7) disclosing the occurrence of ragging incidents described in Clause 3(a), (b) and (c), the Vice-Chancellor shall direct or order rustication of a student or students for a specific number of years.

**10.** The Vice-chancellor may in other cases of ragging order or direct that any student or students be expelled or be not for a stated period, admitted to a programme of study in a college, departmental examination for one or more years or that the results of the student or students concerned in the examination or examinations in which they appeared be cancelled.

**11.** In case any students who have obtained degrees or diplomas of the University of Delhi are found guilty; under this Ordinance, appropriate action will be taken under Statute 15 for withdrawal of degrees or diploma conferred by the University.

**12.** For the purpose of this Ordinance, abetment to ragging whether by way of any act, practice or incitement of ragging will also amount to ragging.

**13.** All Institutions within the Delhi University system shall be obligated to carry out instructions/directions issued under this Ordinance, and to give aid assistance to the Vice-Chancellor to achieve the effective implementation of the Ordinance.

### **C. ORDER OF THE VICE-CHANCELLOR IN PURSUANCE OF ORDINANCE XV-C**

Where incident(s) of ragging are reported to the Vice-Chancellor by any authority under this Ordinance, the students(s) involved in ragging, shall be expelled for a specified term, designated in the order. Non-students involved in reports of ragging will be proceeded with under the criminal law of India; they will also be rendered ineligible for a period of five years from seeking enrolment in any of the institutions of the University of Delhi. Students against whom necessary action is taken under this note, will be given post decisional hearing, with strict adherence to the rules of natural justice.

### **D. ORDINANCE XV-D/ THE SEXUAL HARASSMENT OF WOMEN AT WORKPLACE (PREVENTION, PROHIBITION AND REDRESSAL) ACT, 2013 (MINISTRY OF LAW AND JUSTICE)**

An Act to provide protection against sexual harassment of women at work place and for the prevention and redressal of complaints of sexual harassment and for matters connected therewith incidental thereto.

WHEREAS sexual harassment results in violation of the fundamental rights of a woman to equality under articles 14 and 15 of the Constitution of India and her right to life and to live with dignity under article 21 of the Constitution and right to practice any profession or to carry on any occupation, trade or business which includes a right to a safe environment free from sexual harassment;

AND WHEREAS the protection against sexual harassment and the right to work with dignity are universally recognized human rights by international conventions and instruments such as Convention on the Elimination of all forms of discrimination against Women, which has been ratified on the 25th June, 1993 by the Government of India.

AND WHEREAS it is expedient to make provisions for giving effect to the said Convention for protection of women against sexual harassment at workplace.

# COLLEGE RULES

- **Identity Card:** Identity cards are issued to all the bonafide students of the College. It must be renewed at the beginning of every academic session. Every student has to carry an Identity Card during the college timings, so that it could be shown to the college authority as and when demanded. Duplicate I-card will be issued only after furnishing a copy of the F.I.R. and on payment of Rs.100/-
- **Vehicle Pass:** Students are not allowed to bring automotive vehicles inside the College campus without a valid license and vehicle sticker. Vehicle stickers can be issued from the college office once he/she has been issued the college identity card.
- **Hostel:** The College does not provide hostel facility. Outstation students are required to make their own arrangements for boarding and lodging.
- **D.T.C. Bus Pass and Railway Concession:** The students can avail the D.T.C. Student Concession Bus Pass facility and Railway monthly/quarterly season tickets from residence to college and back. Outstation candidates are entitled for 2nd Class Sleeper Railway concession for visiting their hometown during vacations as per the University of Delhi norms.
- **Minimum Attendance:** Subject to the provision of ordinance VII, the candidate is required to attend not less than two third of theory and practical classes separately in all the subjects taken together in the college in an academic session so as to appear in the University Annual/Semester Examination.
- **Examination:** Examination and marking scheme (including Internal Assessment) procedure shall remain same as notified by the University of Delhi from time to time.
- **Website:** Students are advised to regularly visit the college and Delhi University websites: <http://bcas.du.ac.in> and <http://du.ac.in> respectively for important notices, ordinances, time table and inputs and for reference to various undertakings and guidelines.
- **Notice Board:** Students are advised to check the notice boards of the college for regular updates and relevant information.

# DISCIPLINE RULES AND MANDATORY WEBLINKS

- Students are responsible for their conduct within the college premises and are prohibited from doing anything, either inside or outside the College, which will amount to a breach of discipline or interference in the smooth functioning of the college. A student shall be liable to disciplinary action for any act of indiscipline. Disciplinary action may involve warning and/or suspension from classes, from the examinations, from the college library or even from the college. All the rules and norms as provided in Ordinance XV (B), XV (C) and XV (D) of the “Rules of Discipline of the University of Delhi” would be strictly adhered to in case of any act of indiscipline.

- Students shall conduct themselves in a civil and dignified manner, and desist from offensive behavior towards any section of the college community. Uncivilized behavior and/or language shall be sternly dealt with.
- A student who faces any disciplinary action shall not be eligible for any special recognition from the college. This includes all kinds of participation in intra-college and inter-college activities, scholarships, financial assistance provided to students and participation in the college festival ‘Srijan’ and all other sports activities.
- Students shall maintain silence and decorum in class rooms and desist from disorderly behavior. They must not loiter in the corridors or in front of class rooms or office rooms and create noise. During their free periods, students are advised to work in the library or “reading room”, or spend time in the “common room”, without causing any disturbance whatsoever. Verbal abuses will also be considered as violation of the discipline.
- Playing any sports in the college corridors is strictly not allowed. Students are advised to avoid playing cards on the college campus.
- Smoking in the college premises is an offense and is strictly prohibited under the law.
- Possession or the consumption of alcohol/ drug or any other addictive/illegal material is strictly prohibited in the college premises and will lead to termination from the college.
- Ragging in any form is strictly prohibited and is a punishable offense. Anyone involved in such cases will be dealt strictly with according to the rules of University of Delhi.
- Students shall take proper care of the college furniture and fixtures. They must not cause any damage to the college property. It could attract disciplinary action against them.
- Students are notified to not litter, lay or throw any kind of garbage in and around the campus.
- A designated parking space is provided for all students to park their vehicles with the valid sticker issued to them for the same. No vehicle would be allowed to be parked in any other part of the college premises.
- Students cannot form any society/club in the college without the prior permission of the Principal, nor shall any person be invited to address a meeting in the college without the formal consent of the Principal.
- Students suffering from any contagious or infectious disease are suggested to not attend college during the phase of illness.
- Students who are regularly absent from the college for no valid reasons can be removed from the college rolls.

**All notices/circulars issued from time to time will be binding on all students without exception.**

The college has a zero- tolerance to ragging and a very strict anti-ragging policy. Kindly go through the document provided in the following link:

[http://www.du.ac.in/du/uploads/anti\\_ragging/11072017\\_antiragging\\_guidelines.pdf](http://www.du.ac.in/du/uploads/anti_ragging/11072017_antiragging_guidelines.pdf)

**Mandatory Anti-Ragging Affidavit to be produced at the time of Admissions**

As per the directions of Honourable Supreme Court of India and UGC Regulations, it is mandatory for all the students to fill an online Anti-Ragging Affidavit each year. The online Anti-Ragging Affidavit can be filled ONLINE on the following Link.

[\*\*Fill Online Anti-Ragging Affidavit MOE/UGC\*\*](#)

After successful submission of your Undertaking Form, you will receive a REFERENCE NUMBER. The students are required to store the REFERENCE NUMBER and download the undertaking for future reference. The students are required to produce the REFERENCE NUMBER and Anti-Ragging Affidavit to the college after the admission. The students may go through the following links for UGC's regulations and the Judgment of the Hon. Supreme Court on prevention of Ragging:

[\*\*ABSTRACT OF UGC REGULATIONS ON RAGGING\*\*](#)

[\*\*SUMMARY OF THE JUDGMENT OF THE HON. SUPREME COURT\*\*](#)

## **LIBRARY RULES & REGULATIONS**

- The Library is open to the college students and staff members from 09:00 A.M. to 05:00 P.M. on all working days.
- Students are required to carry their College Identity Card with them and mark their attendance on biometric machine / register before entering the library.
- They can be refused admission to the library if they fail to produce their identity card on demand.
- Entire library premises are a SILENCE ZONE. Discussions/Gossips are not permitted.
- Personal books, umbrella, stick, bags etc. are not allowed in the library. These personal belongings are to be left outside the library at student's own risk.
- Any misuse of the library facilities and damage of the library property (RFID gate, books, furniture, computers, biometric machine etc.) will be considered as a serious breach of discipline and the college can take appropriate action whenever required.
- Students are required to read notices issued by the Librarian and college from time to time. Ignorance will be no excuse.
- Students are entitled to borrow a maximum of four books (including one magazine) at a time. The books will be issued for fifteen days only.
- Borrowers must ensure that book(s) which are not properly issued in their name are not to be taken out of the library in any circumstances.
- Students are required to show the books and other materials which are being taken out of the library to the staff at the entrance counter.
- Membership is NOT TRANSFERABLE. The borrower is responsible for the books borrowed on his/her card. Students may borrow books against the membership ID issued to them. Loss of library documents should be immediately reported to the Librarian in writing.

- Book(s) once taken from the shelves should be left on the reading- table only. Books should not be kept on the racks.
- The rate of overdue charges will be Rs. 5/- per day per book. Off-days will be excluded for calculation of overdue charges.
- Borrowers must ensure that the books borrowed by them are not spoiled, dog-eared, marked or otherwise mutilated.
- Books lost or damaged shall have to be replaced for a same/latest edition or its double price (if same/latest edition is not available) shall be charged from the borrower. In case of failure, the amount shall be recovered from the security deposit of the student.
- Reference books, costly books and “Not to be issued” books will only be issued after 04.00 P.M. for keeping overnight. Overdue charge for such books is Rs. 50/- per day. Also disciplinary action may be taken against the defaulter.
- Students on leave must arrange for the return of books in time.
- The librarian may recall any issued book/s from member at any time and the member shall return the same immediately.
- Library uses KOHA software. Students can access their library account using their Roll No. as user ID and password with following URL:

[\*\*https://bcas.bestbookbuddies.com\*\*](https://bcas.bestbookbuddies.com)

- All the students can access N-List using their N-List login and password using the following URL:

[\*\*https://nlist.inflibnet.ac.in\*\*](https://nlist.inflibnet.ac.in)

- Students are advised to update their personal information using “Personal Details” tab.
- Library has its own BLOG and is being updated time to time. Students are advised to use the following URL:

[\*\*https://librarybcas.blogspot.com\*\*](https://librarybcas.blogspot.com)

- Eatables are not allowed in the library premises.
- The college may change any or the entire library rules without any prior notice.
- **NO BOOK(S) SHALL BE ISSUED AFTER THE LIBRARY CLEARANCE.**



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ADMISSION AND STUDENTS  
CENTRIC COMMITTEES

# ADMISSION AND STUDENT CENTRIC COMMITTEES

**Name of Committee:** Admission Committee

**Role of Committee:** The Admission Committee oversees the entire admissions process, from application to enrollment, ensuring that it is fair, transparent, and efficient. The committee evaluates applicants based on established criteria and works to attract a diverse and talented student body.

**Members Contact details:**

Name	Convener/Member/TIC	Email ID (Official)	Mobile No
Prof. N. S. Abbas	Convener	dr.nsabbas@bcas.du.ac.in	9810861086
Dr. Anita Sondhi	Co-convener	anita.sondhi@bcas.du.ac.in	9810445610
Prof. Geeta Mongia	Co-convener	geeta.mongia@bcas.du.ac.in	9810063022
Mr. Manish	Assistant, Admission help desk	manish.verma@bcas.du.ac.in	9810421545
Prof. Sangeeta Srivastava	Grievance Redressal Committee	sangeeta.srivastava@bcas.du.ac.in	9873027777
Dr. Vandita Gupta		vandita.gupta@bcas.du.ac.in	9868041546
Dr. Jitender Kumar	Grievance Redressal Committee for SC/ST/OBC-NCL/EWS and PwBD	jitender.kumar@bcas.du.ac.in	9910941616
Prof. Amit Kumar		amit.kumar@bcas.du.ac.in	9868007267
Dr. Vijay K Nalla		nallavijay.kumar@bcas.du.ac.in	9968126699
Dr. Bhavya Deep	ECA Committee	bhavya.deep@bcas.du.ac.in	9899075383
Prof. Anand Bharadvaja	Sports Committee	anand.bharadvaja@bcas.du.ac.in	9810690359
Dr. Shivani G. Varmani	TIC	shivani.varmani@bcas.du.ac.in	9811328195
Dr. Lalit Kapur	TIC	lalit.kapur@bcas.du.ac.in	9811211222
Ms. Arti Batra	TIC	arti.batra@bcas.du.ac.in	9810228096
Dr. Manoj Tiwari	TIC	manoj.tiwari@bcas.du.ac.in	9891433885
Dr. Rizwana	TIC	rizwana.haleem@bcas.du.ac.in	9810998663

Name	Convener/Member/TIC	Email ID (Official)	Mobile No
Prof. Meetu Luthra	TIC	meetu.luthra@bcas.du.ac.in	9560159995
Prof. Saroj K Shukla	TIC	saroj.shukla@bcas.du.ac.in	9818487997
Prof. Sidhharth Sirohi	TIC	siddharth.sirohi@bcas.du.ac.in	9868898270

**Name of Committee:** Special Category Admission Enabling Committee

**Role of Committee:** The Special Category Admission Enabling Committee facilitates the admission process for students from special categories, ensuring they receive necessary support and accommodations. The committee aims to create an inclusive educational environment by addressing the unique needs of these students and guiding them through the admission process.

**Members Contact details:**

Name of Convener/Member	Email ID (Official)	Mobile No
Dr. Jitender Kumar	jitender.kumar@bcas.du.ac.in	9910941616
Dr. Pawas Goswami	pawas.goswami@bcas.du.ac.in	9899293335
Ms. Manisha Thakur	manisha.thakur@bcas.du.ac.in	8766468232

**Name of Committee:** Proctorial and Anti-ragging Committee

**Role of Committee:** Proctor and Anti-Ragging Committee plays a crucial role in maintaining a safe, disciplined, and academically rigorous environment in the college. The proactive and reactive measures of the committee ensure the well-being and success of students, fostering a positive and supportive campus culture.

**Members Contact details:**

Name of Convener/Member	Email ID (Official)	Mobile No
Dr. Sandeep Kumar	sandeep.kumar@bcas.du.ac.in	9015864017
Dr. Lalit Kapur	lalit.kapur@bcas.du.ac.in	9811211222
Dr. Sujata Bhardwaj	sujata.bhardwaj@bcas.du.ac.in	9810979868
Prof. Amit Kumar	amit.kumar@bcas.du.ac.in	8076138700
Dr. Purnima Anand	purnima.anand@bcas.du.ac.in	9818563729
Dr. Alivia Roy	alivia.roy@bcas.du.ac.in	9891276742

Name of Convener/Member	Email ID (Official)	Mobile No
Dr. Mohit Sharma	mohit.kumar@bcas.du.ac.in	9953736353
Dr. Manoj Kumar	manoj.kumar@bcas.du.ac.in	7503237919
Dr. Parveen Kumar	parveen.kumar@bcas.du.ac.in	9810487986
Mr. Jai Prakash	jai.prakash@bcas.du.ac.in	9871077485

**Name of Committee:** Internal Complaint Committee

**Role of Committee:** The Internal Complaints Committee (ICC) is responsible for addressing and resolving complaints related to sexual harassment within the institution. It ensures a safe and respectful environment for all employees and students by adhering to the guidelines established under the Sexual Harassment of Women at Workplace (Prevention, Prohibition, and Redressal) Act, 2013.

**Members Contact details:**

Name of Convener/Member	Email ID (Official)	Mobile No
Prof. Inderbir Kaur	inderbir.kaur@bcas.du.ac.in	9810681129
Prof. Vandana Batra	vandana.batra@bcas.du.ac.in	9810428467
Dr. Neeru Sharma	neeru.sharma@bcas.du.ac.in	9811463962
Ms. Ira Sharma	ira.sharma@bcas.du.ac.in	9968367181
Ms. Savita Devi	savita.devi@bcas.du.ac.in	9717450713
Sh. Hemant Vats	vats.hemant001@gmail.com	9811101752
Ms. Niyati Sharma	sharma.niyati29@gmail.com	8587027428

**Name of Committee:** Anti-Discriminatory Committee

**Role of Committee:** The Anti-Discriminatory Committee is established to ensure an inclusive and equitable environment within the institution. It addresses issues related to discrimination based on race, gender, religion, caste, disability, and other characteristics, promoting diversity and equal opportunities for all members of the community.

**Members Contact details:**

Name of Convener/Member	Email ID (Official)	Mobile No
Dr. Jitender Kumar	jitender.kumar@bcas.du.ac.in	9910941616
Prof. N. S. Abbas	dr.nsabbas@bcas.du.ac.in	981861086

Name of Convener/Member	Email ID (Official)	Mobile No
Dr. Vandita Gupta	vandita.gupta@bcas.du.ac.in	9868041546
Dr. Asha	asha.cs@bcas.du.ac.in	8950017425
Dr. Catherine S. Paul	catherinespaul@gmail.com	9419237373

**Name of Committee:** Public Grievance Redressal Committee

**Role of Committee:** The Public Grievance Redressal Committee addresses and resolves complaints and concerns from students, faculty, and staff. It ensures that grievances are handled promptly and fairly, fostering a transparent and supportive environment within the institution.

**Members Contact details:**

Name of Convener/Member	Email ID (Official)	Mobile No
Prof. Sangeeta Srivastava	sangeeta.srivastava@bcas.du.ac.in	9873027777
Dr. Vandita Gupta	vandita.gupta@bcas.du.ac.in	9868041546
Prof. Amit Kumar	amit.kumar@bcas.du.ac.in	8076138700
Prof. Susmita Dey Sadhu	susmitadey.sadhu@bcas.du.ac.in	9910028035
Dr. Ragini Jindal	ragini.jindal@bcas.du.ac.in	8826221626
Prof. Inderbir Kaur	inderbir.kaur@bcas.du.ac.in	9810681129
Dr. Ramesh Kumar	ramesh.kumar@bcas.du.ac.in	9654271875

**Name of Committee:** SC/ ST Cell

**Role of Committee:** The SC/ST Cell in a college is dedicated to supporting the academic, social, and economic development of students from Scheduled Castes (SC) and Scheduled Tribes (ST). It aims to ensure that these students receive the necessary assistance and opportunities to succeed in their academic and personal lives.

**Members Contact details:**

Name of Convener/Member	Email ID (Official)	Mobile No
Dr. Jitender Kumar	jitender.kumar@bcas.du.ac.in	9910941616
Dr. Vijay K Nalla	nallavijay.kumar@bcas.du.ac.in	9968126699
Dr. Shivani G Varmani	shivani.varmani@bcas.du.ac.in	9811328195
Dr. Amit Kumar Singh	amit.kumarsingh@bcas.du.ac.in	8920646491

**Name of Committee:** Student Advisory Committee

**Role of Committee:** The Student Advisory Committee provides guidance and support to students, helping them navigate academic, personal, and professional challenges. It acts as a bridge between the student body and the administration, ensuring that student voices are heard and their needs are addressed.

**Members Contact details:**

Name of Convener/Member	Email ID (Official)	Mobile No
Dr. Vandita Gupta	vandita.gupta@bcas.du.ac.in	9868041546
Dr. Shivani G Varmani	shivani.varmani@bcas.du.ac.in	9811328195
Ms. Manu Kataria	manu.kataria@bcas.du.ac.in	9311044179
Dr. Shailja Singh	shailja.singh@bcas.du.ac.in	9999249844
Dr. Yagyadatta Goswami	yagyadatta.goswami@bcas.du.ac.in	9582285410
Dr. Herendra Kumar	harendra.kumar@bcas.du.ac.in	8745944401
Dr. Shikha Srivastava	shikha.srivastava@bcas.du.ac.in	9560167669
Dr. Umesh Kumar	umesh.kumar@bcas.du.ac.in	7011533208
Dr. Neeru Bhagat	neeru.bhagat@bcas.du.ac.in	9899006321

**Name of Committee:** Students Mentoring and Holistic Wellbeing Committee

**Role of Committee:** The Students Mentoring Committee in a college plays a crucial role in guiding and supporting students through their academic journey and personal development. This committee is responsible for establishing a structured mentoring program where experienced faculty members or senior students provide one-on-one guidance and support to mentees.

**Members Contact details:**

Name of Convener/Member	Email ID (Official)	Mobile No
Dr. Madhulika Bajpai	madhulika.bajpai@bcas.du.ac.in	9810370880
Dr. Manoj Tiwari	manoj.tiwari@bcas.du.ac.in	9891433885
Prof. Anand Bharadvaja	anand.bharadvaja@bcas.du.ac.in	9810690359
Prof. Sidhharth Sirohi	siddharth.sirohi@bcas.du.ac.in	9868898270
Dr. Ragini Jindal	ragini.jindal@bcas.du.ac.in	8826221626
Prof. Inderbir Kaur	inderbir.kaur@bcas.du.ac.in	9810681129

**Name of Committee:** Student Grievance Redressal Committee

**Role of Committee:** This Committee addresses and resolves complaints and concerns from students, faculty, and staff. It has been constituted under the University Grants Commission guidelines regarding Redressal of Grievances of Students, Regulations, 2023.

**Members Contact details:**

Name of Convener/Member	Email ID (Official)	Mobile No
Prof. Sangeeta Srivastava	sangeeta.srivastava@bcas.du.ac.in	9873027777
Dr. Vandita Gupta	vandita.gupta@bcas.du.ac.in	9868041546
Prof. Amit Kumar	amit.kumar@bcas.du.ac.in	8076138700
Prof. Susmita Dey Sadhu	susmitadey.sadhu@bcas.du.ac.in	9910028035
Dr. Ragini Jindal	ragini.jindal@bcas.du.ac.in	8826221626
Dr. Ramesh Kumar	ramesh.kumar@bcas.du.ac.in	9654271875
Prof. Inderbir Kaur	inderbir.kaur@bcas.du.ac.in	9810681129
Convenor, Student Advisory Committee (Ex-Officio)	Convenor, Canteen Committee(Ex-Officio)	One Student Representative

**Name of Committee:** Student Faculty Coordination Committee

**Role of Committee:** The newly constituted Student Faculty Coordination Committee (SFCC) acts as an interface between students and faculty members of the college for all academic matters. The committee consists of faculty members of each department along with nominated students of 2nd and 3rd years. The prime objective of the committee is to provide information pertaining to college academic program initiatives and guidelines, internships, placement information, awards and scholarships to all the students. The committee is involved in understanding the support system required by the students to improve their academic pursuits. The committee is also working towards developing a mechanism for timely data collection from currently enrolled students and also from the college alumni.

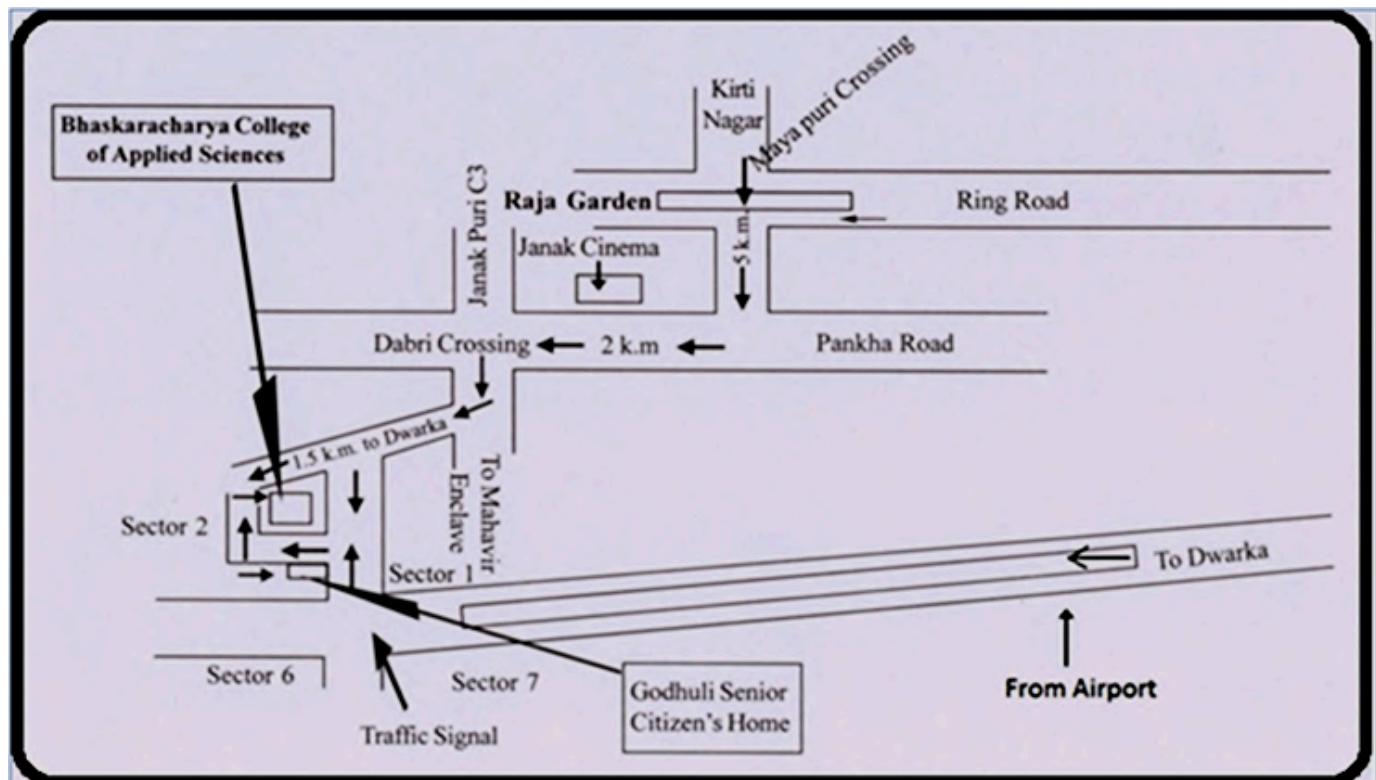
**Members Contact details:**

Name of Convener/Member	Email ID (Official)	Mobile No
Dr. Purnima Anand	purnima.anand@bcas.du.ac.in	9818563729
Prof. Geeta Mongia	geeta.mongia@bcas.du.ac.in	9810063022
Prof. Sangeeta Srivastava	sangeeta.srivastava@bcas.du.ac.in	9873027777
Prof. Uma Chaudhry	uma.chaudhry@bcas.du.ac.in	9811746265

Name of Convener/Member	Email ID (Official)	Mobile No
Prof. Meenakshi Garg	meenakshi.garg@bcas.du.ac.in	9958415333
Dr. Anjali Saxena	anjali.saxena@bcas.du.ac.in	9891251148
Dr. Shailja Singh	shailja.singh@bcas.du.ac.in	9999249844
Dr. Salam Sonia Devi	salam.soniadevi@bcas.du.ac.in	9990626535
Dr. Herendra Kumar	harendra.kumar@bcas.du.ac.in	8745944401
Dr. Yagyadatta Goswami	yagyadatta.goswami@bcas.du.ac.in	9582285410
Dr. Anoop Kumar Saini	anoopkumar.saini@bcas.du.ac.in	8519068540

## COLLEGE LOCATION

The College is well connected by public transport viz; Delhi Metro and road transport (761,778,721, 801,764, 727, RL77, 813, etc.) from all parts of Delhi. The closest metro stations are Dwarka Mor or Dwarka Sec.11 (about 3 Km from the college) and connected through feeder and other transport means.



# IMPORTANT LINKAGES

## @Undergraduate Admissions 2024-25

### A. For admission to Undergraduate Programs of University of Delhi, all candidates must appear in the Common University Entrance Test [CUET(UG)- 2024].

Common University Entrance Test [CUET(UG) - 2024]

For information related to CUET (UG)-2024 please visit

<https://exams.nta.ac.in/CUET-UG/>

### B. Admissions @ University of Delhi

For information related to admissions at University of Delhi, please visit

[www.admission.uod.ac.in](http://www.admission.uod.ac.in)

### C. Details of the syllabus of each of the mentioned programmes can be obtained from :

1. <https://exams.nta.ac.in/CUET-UG/>

2. [Link A UGCF General Framework of University of Delhi](#)

3. [Link B UGCF Flowchart](#)

### D. Anti ragging policy:

[ABSTRACT OF UGC REGULATIONS ON RAGGING](#)

[SUMMARY OF THE JUDGMENT OF THE HON. SUPREME COURT](#)

### Mandatory Anti-Ragging Affidavit to be produced at the time of Admission:

[Fill Online Anti-Ragging Affidavit MOE/UGC](#)

**DISCLAIMER:** Every care has been taken to verify the authenticity of the contents of this Prospectus. This Prospectus has to be read in conjunction with the University of Delhi Bulletin of Information for Undergraduate Programmes 2024-2025. The information contained in Relevant Rules, Regulations, Ordinances and Statutes of the University will be final. The data contained in this Prospectus is indicative only and can not be used for legal purposes. The college reserves the right to suitably modify, update or delete any part of the information contained herein without any prior notice.



# PROSPECTUS COMMITTEE

**Prof. Shalini Sehgal, Convener**

## Members

**Prof. Anand Bharadvaja**

**Dr. Neeru Sharma**

**Dr. Bhavya Deep**

**Prof. Amit Kumar**

**Dr. Sandeep Kumar**

**Dr. Neeru Bhagat**

**Dr. Kapil Roy**

**Ms. Shweta Dua**

**Dr. Anoop Saini**

**Dr. Amit Kumar Singh**

**Dr. Salam Sonia Devi**

Concept by **Prof. Shalini Sehgal**

Designed by **Ms. Meenakshi**

(Second year student of B.Sc. (Hons.) Biomedical Science, BCAS)