

2018-19

NAAC ACCREDITATION | GRADE 'A' SCORE 3.31

NIRF INDIA RANKED | DBT STAR COLLEGE



ACHARYA NARENDRA DEV COLLEGE

Preparing for the future...

PROSPECTUS



Acharya Narendra Deva (1889 – 1956), a veteran of India's freedom struggle, a visionary educationist and leader in social reforms was the embodiment of multifaceted greatness. He was educated in Allahabad and Banaras. After the completion of his graduation (B.A.) and post-graduation (M.A.), he achieved his L.L.B degree in 1915. Turning his back on a promising legal career and comfort, he plunged into the National Movement. He was deeply influenced by the radical nationalism of Bal Gangadhar Tilak and Aurobindo Ghosh. Acharya Narendra Deva had a rare combination of a great political acumen and true intellectual prowess. Being a scholar at heart, he continued to enrich his intellect along with his tireless struggle for the cause of India's freedom. He joined Kashi Vidyapith where he combined his academic pursuits with active politics. He was also the Vice-Chancellor of Lucknow and Banaras Hindu University. Acharya Narendra Deva was a believer of the Marxist philosophy and he zealously worked for the preservation of human dignity and a revolutionary transformation of society on moral and humanistic grounds. He was the founder of the Congress Socialist Party and presided over the first Congress Socialist Conference at Patna in 1934, and thereafter he devoted his life to the cause of Socialism. Acharya Narendra Deva was a profound student of Buddhist philosophy and to study Buddhist literature, he learnt French, German and Pali. His books on Buddhism bear testimony to his scholarship and insight into the Buddha's way of life. Throughout his life, Narendra Deva was deeply interested in education and regarded it as the principal means for a political, social and economic revolution in the country. He believed that in the earlier stages, education should be integrated with useful activity and therefore welcomed the concept of Basic Education propounded by Mahatma Gandhi. He was an atheist and rejected the glorification of God. Acharya Ji's patriotism, political involvements, scientific outlook, nobility of spirit, deep rooted humanism, compassion and scholarship make him one of the most respected blend of versatility the country has ever seen.

University Admission Schedule 2018-19

Cut-off	Activity	Date
First Cut-off	Notification of First Cut-off Marks List by the Colleges	June 19, 2018 (Tuesday)
	Document verification, approval of admission and payment of fee	June 19, 2018 (Tuesday) to June 21, 2018 (Thursday)
Second Cut-off	Notification of Second Cut-off Marks List by the Colleges	June 25, 2018 (Monday)
	Document verification, approval of admission and payment of fee	June 25, 2018 (Monday) to June 27, 2018 (Wednesday)
Third Cut-off	Notification of Third Cut-off Marks List by the Colleges (if any)	June 30, 2018 (Saturday)
	Document verification, approval of admission and payment of fee	June 30, 2018 (Saturday) to July 03, 2018 (Tuesday) (except Sunday)
Fourth Cut-off	Notification of Fourth Cut-off Marks List by the Colleges (if any)	July 06, 2018 (Friday)
	Document verification, approval of admission and payment of fee	July 06, 2018 to (Friday), July 09, 2018 (Monday) (except Sunday)
Fifth Cut-off	Notification of Fifth Cut-off Marks List by the Colleges (if any)	July 12, 2018 (Thursday)
	Document verification, approval of admission and payment of fee	July 12, 2018 (Thursday) to July 14, 2018 (Saturday)

Note:

1. Document verification and approval of admission will be done between 9.30 a.m. to 1.30 p.m.
2. After approval of admission in the college, the applicant has to log on to the undergraduate admission portal to make online admission fee payment. This may be done till 12:00 noon of the day of the last day of that cut-off in which applicant is taking admission.

Additional cut-off lists may be declared, depending on the vacant seats in the College.

ORIENTATION PROGRAMME: July 20 - 24, 2018 (excluding Sunday)

The College Orientation programme will be organised over first three days in a workshop-mode, to familiarize students to the various activities available in the College. On the fourth day, Departmental Orientation programmes will introduce students to the faculty, staff, facilities and expectations of the Department.

All freshers are expected to attend the Orientation Programme.

ACADEMIC CALENDAR, UNIVERSITY OF DELHI (2018-2019)

ODD SEMESTER

1.	Classes begin	July 20, 2018 (Friday)
2.	Mid- Semester break	October 15, 2018 (Monday) to October 21, 2018 (Sunday)
3.	Classes begin after Mid-Semester break	October 22, 2018 (Monday)
4.	Dispersal of classes, Preparation leave and Practical examinations begin	November 16, 2018 (Friday)
5.	Theory examinations begin	November 30, 2018 (Friday)
6.	Winter Break	December 17, 2018 (Monday) to December 31, 2018 (Monday)

EVEN SEMESTER

1.	Classes begin	January 1, 2019 (Tuesday)
2.	Mid- Semester break	March 18, 2019 (Monday) to March 24, 2019 (Sunday)
3.	Classes begin after Mid-Semester break	March 25, 2019 (Monday)
4.	Dispersal of classes, Preparation leave and Practical examinations begin	April 29, 2019 (Monday)
5.	Theory examinations begin	May 10, 2019 (Friday)
6.	Summer Vacations	May 26, 2019 (Sunday) to July 19, 2019 (Friday)

COLLEGE CALENDAR (2018-2019)

Event	Dates
Orientation Program	July 20 - 24, 2018
Departmental Fresher's Day	August 2nd week, 2018
Scholarships Interviews Round I	August 3rd - 4th week, 2018
Book Exhibition	September 1st week, 2018
Students' Council Election	Same Day as DUSU Elections
Departmental Society Functions	September, 2018 and February, 2019
Excursions	October, 2018/February 2019
Acharya Narendra Deva Memorial Lecture	October 31, 2018
Scholarships (SAKSHAM) Round II	January 3rd week, 2019
Annual Cultural Festival	January 4th week, 2019
Sports Week	February 1st week, 2019
Annual Theatre Production	March 1st week, 2019
Annual Day	April 1st week, 2019
Departmental Farewells	April 2nd week, 2019

PRINCIPAL'S DESK

Acharya Narendra Dev College... 25 years and more of excellence

It seems a very long time ago when I entered the college as Principal, precisely 12 and half years ago! In these years, it has been a personal journey of growth, understanding, creativity and developing new ideas, and along with me the College grew in stature from being a less known small college of the University to being one of the best Science Colleges and a research hub, in the country.

This journey along a slow though meticulously planned and steady route, ensured development, over the years, of best infrastructure and research facilities for the faculty and students as a first step. This was followed up by providing diverse facilities for all-round development of the student – through theatre, sports, NSS, entrepreneurship, women's development cell, excursions arranged for every child in the College, financial support for the needy, and a compassionate sensitive environment. The deployment of the ERP (Enterprise resource planning) system eased the functioning of the library with automatic issue and return of books without human interface, online attendance marking and hence concurrent availability of attendance data to students, regular messaging and emails to students regarding any information for them to act upon, maintenance of administrative data and accounts and facility for generating diverse data as and when required by the University, Directorate of Higher Education or the University Grants Commission!

Established in 1991, Acharya Narendra Dev College has come a long way in the last 27 years. Our NAAC Grade A score of 3.31, our winning the DU *Antardhvani*



award for 'Best Practice, consecutively for 3 years, our recognition at the International level through the OPAL award, our recognition as Creative Commons Network member, our faculty awardees as Best teachers every year, our students going forth into very prestigious academic institutions in India and world-wide all bear testimony to our commitment and hard work.

College life is special since it is here that students acquire the exposure and the skill-set that will stay with them – it is these that make them identifiable. We assure you that your stay at ANDC will prove to be a life-changing experience – one that makes you more sensitive, more caring, more confident, more curious, more creative and more exploratory! We welcome you to ANDC and invite you to be part of an enthralling journey of learning, sharing, collaboration and sensitization.

Dr. Savithri Singh
Principal

ORIENTATION PROGRAM FOR FRESH STUDENTS



The first days in college are very special in every student's life. There is the excitement of progressing to college from school and at the same time there is the anxiety of a new environment. There is suspense over new batchmates and friends and there is fear of ragging. The mind is full of questions and expectations. "What will my college be like? Will I make as good friends as I had in school? Will my seniors bully me? I will be staying away from home for the first time, where will I stay? Other than academics, what opportunities will I get in college? Are there any scholarships or fee waivers that I can avail? Will I need to buy books or will the library be adequate?" The questions are endless. Orientation at Acharya Narendra Dev College should help you get answers to most of the questions raised above...

and more. Besides giving you a brief overview of what academics in college will be like it aims to also give you good exposure to other areas that you can explore while in College. The college gives ample opportunities for students to experiment - both figuratively and literally! Research at the UG level is big, real big, in college. Orientation Workshops that provide an introduction to diverse activities and societies in the college is how you would start your first few days in College - Research, Theatre, Social responsibility, Sports, Entrepreneurship, Talent hunt, Use of and data feeding in the ERP, Counselling.... are some of areas you will explore. You also come to know what SAKSHAM, EXPLORE, ELITE, SPIE, EL, ANDY, Dhvani, Dhun, Sashakt, etc. stand for! What's special and enjoyable about these workshops that are held parallelly and in groups, is that they are mostly conducted by second and third year students - so you get to interact with seniors in a friendly atmosphere and you learn from them what it means to be a student at ANDC! You also interact with other fresh students in an informal manner! Then, of course, an interactive session with the Principal and one with the Department in which you have joined, rounds up the Orientation!



We hope ALL first years students will attend the Orientation Programme; it surely will help you integrate into the ANDC family easily!



GOOD PRACTICES

The College proactively identifies itself with a wide range of individual activities, policies, and programmatic approaches to achieve positive changes in student's attitudes or academic behaviors.



The College continually strives for a fundamentally enriched teaching methodology that includes mandatory assessment of students, personalized tutoring/mentoring of students, active learning activities within the classroom, and classroom assessment techniques to provide non-graded feedback resulting in changed student learning behaviors.

The crowning glory of these efforts has been recognition of the College for Good Practices at National and State levels some of which are mentioned here as under:

Accredited 'A' Grade by NAAC, University Grants Commission with a score of 3.31

Awards for Good Practices by the University of Delhi, amongst all the constituent colleges (63 colleges of DU) at the mega multi-dimensional event – *Antardhvani* through the years 2013 to 2015.

Ranked high in the College category in India Ranking 2017 by NIRF, MHRD, Govt. of India and in various newspaper surveys.

Seven departments of the College are recognized for financial support under the Star College Scheme of the Department of Biotechnology, Govt. of India.

These awards and national recognitions are an affirmation of establishment of the pioneering activities in College over the years and which have set us apart from all other colleges in DU colleges in so far as paradigm shift in teaching-learning methodology is concerned. Some of the more important ones include:

- Research by the Faculty and Students (at the UG level)
- Promotion of Entrepreneurship and Skill Development
- Social Outreach
- Theatre in Education
- Open Education Initiative



CONSOLIDATING TOMORROW- ANDC inSTART FOUNDATION AND IQAC

ANDC inStart Foundation

Going beyond incubators and accelerators, ANDC inStart Foundation located at Acharya Narendra Dev College (University of Delhi) proffers a complete ecosystem to nurture and scale up innovation. Recognized and powered by Directorate of Training and Technical Education, Govt. of NCT Delhi, ANDC inStart Foundation is making available a platform with multiple opportunities for startups, investors, and MNCs to liaison and establish symbiotic relationships, all under one roof.

At ANDC inStart Foundation we understand that all start-ups need a strong vision since meaningful companies are always built on robust foundations. It is known that technologies, social networks, trends, all come and go, however we believe a company has to stay relevant regardless. The incubator-accelerator, envisages increasing successful development of new businesses, job creation and employment in specific sectors that are aligned with unique areas of opportunity while involving all stakeholders of the society.

ANDC inStart Foundation envisages building livelihoods in a sustainable manner through incubation of start-ups. Its primary objective includes promotion of skill development, education and R&D in India with a focus on technology for immediate use in Indian society.

Details about the same can be accessed at <http://andcinstartfoundation.in/index.php>

Internal Quality Assurance Cell (IQAC)

The College has a dedicated Internal Quality Assurance Cell (IQAC) in synergy with its action plan for performance evaluation, assessment and quality up-gradation as mandated by the National Assessment and Accreditation Council (NAAC). The IQAC works towards realization of the goals of quality enhancement and sustenance. The prime task of IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance at the College by all constituents. Its main objective is to channelize all efforts and measures of the institution towards promoting holistic academic excellence through:

- a) Undertaking proactive measures to monitor student progression as it directly affects students' career graph in terms of completion and continuation to higher studies and influences their future sustainability.
- b) Introduction of Skill Development Courses like 'Quality Control (QC) Chemist' (ongoing) NSQF level 5. This program aims at training students for the job of a "Quality Control Chemist", in the "Life Sciences" Sector/Industry.
- c) Conducting workshops and organizing symposia on issues ranging from mental health awareness to exploring exposure-assessment aspects of environmental pollution besides delving into their mitigation aspects.

RESEARCH – IGNITING YOUNG MINDS AND STOKING THE FIRE OF CURIOSITY

ANDC's commitment to best research practices is in keeping with the understanding the unique role that research plays in meeting global challenges in higher education. The college envisions bringing research into the classroom to augment regular teaching-learning process through active participation by students in research projects as a major co-curricular activity. Students and faculty share an adventure of discovery that keeps the laboratories abuzz with relentless and engaging research throughout the year. The sheer volume and scale of exciting research carried out by its faculty and undergraduate students in equal measure, has created a culture that displays seamless integration of teaching and research.

Over the years, faculty in the College has been successful in garnering financial support for research from government funding agencies including UGC, DST, DBT, MoEF, ICMR etc. The projects, typically of 2-3 years duration, help develop state-of-the-art laboratories in the college besides providing students with an exposure to cutting-edge technology in frontier areas of science. The laboratories serve to ignite curiosity for research in the minds of the students leading some to get inspired to pursue doctoral studies. The college does ensure that Principal Investigators of projects get wholehearted support – both infrastructural as well as procedural. Faculty as well as undergraduate students can realize their dreams and aspirations with

publications in International journals of repute and by being in-sync with the latest in research worldwide.

Thus far, research grant amounting to more than Rs. 3 crores has been received in the college for about 20 major extramurally funded research projects. One of bilateral projects has seen cooperation between Slovenian scientists and College faculty with exchange visits involved. A total of 13 hi-tech research laboratories have been established to pursue advanced scientific research and the college currently has 15 students pursuing their Ph.D. under the supervision of 16 faculty members, duly recognized as guides, by the University of Delhi. Active research has led the faculty and students to travel for conference-presentations both in India and abroad, publish more than 300 research papers in the last 10 years in peer-reviewed International and National journals of repute besides many in Conference Proceedings.

Faculty, to name a few Dr Urmi Bajpai, Dr Vikrant Kumar and Dr Gagan Dhawan, and Ph.D. students have also got opportunities to train abroad through long-term and short-term fellowships.

Some of the internationally renowned laboratories/institutes with whom the college faculty has active ongoing research collaboration include:

- a) NILU (Norwegian Institute for Air Research); Norway,
- b) Jozef Stefan Institute; Slovenia,
- c) International Society of Protistologists; USA,
- d) National History Museum – London; UK,
- e) University of Edinburgh; UK
- f) University of Bordeaux; France
- g) International Research Coordination Network for Biodiversity of Ciliates (IRCN - BC), USA



“ When I look back in time, joining ANDC was the best decision I could have made. The exposure I got with SPIE, ANDC Chapter and the multidisciplinary approach of B.Sc. in Physical Sciences (Electronics) has brought me here. I couldn't stress more the importance of a multidisciplinary approach in graduate level to be competitive in the current market situation. The faculty and our principal Dr. Savithri Singh gave me endless opportunities to find my calling and moulded me to what I am now. I owe my current standing to ANDC and it's spirit of an all-round development

*Mohd. Aiman Ali Raza, Research Alumni
(2012 – 2015)*

*Presently at - Charge d'études R&D: Essilor,
Paris et ENTPE, Lyon, FRANCE*





The idea of becoming an ecologist and saving wildlife didn't just pop into my mind like that. Apart from my interest in the biological world, I always had an inclination towards science and innovation in general. An education

to drive those facts present in the book, into the real-time application, is what I seek for. During my bachelor studies in Botany at Acharya Narendra Dev College, I was provided with all essential tools to sharpen my passion and curiosity. The opportunity of having research experience during my bachelor studies through various platforms like "Elite Summer project", "Science Society (Think Lab)" and "Innovation Project" really helped me in my path towards post-graduation. I'm also very grateful to the skilled teachers or mentors for their guidance during my bachelor education and research. This foundation during my bachelor is still helpful in my journey of doctoral education.

Bishal Kumar Das, Research Alumni (2013 - 2016)

*Presently at – Department of Ecology,
Czech University of Life Sciences, Prague, CZECH Republic*



Research and Innovation Laboratories running in College

1. Material Science Laboratory
2. Sensing Materials and Devices Laboratory
3. Environmental Monitoring and Assessment Laboratory
4. Polymer Research Laboratory
5. Chemical Biology Laboratory
6. Th!nk Laboratory (exclusive student-run laboratory): Collaborative Undergraduate Biology Education (CUBE) Laboratory
7. OPEN Laboratory
8. Ciliate Biology Laboratory
9. Anti-mycobacterial Drug Discovery Laboratory
10. Insect Vector and Pests Laboratory
11. Microbial Technology Laboratory
12. Mathematics Research Centre Laboratory
13. Inorganic Chemistry Laboratory

One of the pioneering initiatives in the College is the Th!nk laboratory which provides a platform to the member

undergraduate students to think and work collaboratively and freely without any face-to-face interface with faculty. The students work in groups on various experiments that are designed and executed by them. The group is part of an on-line community CUBE (that is created by Homi Bhabha Centre for Science Education, TIFR, Mumbai) and all experimental plans, designs, methods, results and conclusions are discussed virtually with members of CUBE centres all over the country.

The College also has two Instrumentation laboratories (Physical Sciences and Life Sciences) where students and faculty have access to state-of-the-art instrumentation.

The impetus for UG research at ANDC begins with ELITE- 'Education in a Lively Innovative Training Environment' Summer Fellowship programme wherein 200 students get an opportunity to take up projects during summer holidays and a stipend of Rs.1000/- per month is offered. Students who excel in their research work and show aptitude and inclination are identified and picked-up for advanced training.



BEYOND CHALK & TALK: INNOVATIVE TEACHING METHODS

As an institution of higher learning, academics remain fundamental to us. In this pursuit, we ensure a continuous focus on achieving academic excellence by adopting novel pedagogical techniques that involve inputs from theatre, film making, debating, audio-recording, discussion, photography etc.

Project-based learning is the backbone of the teaching-learning process adopted in this college. The various novel articulations in the teaching-learning exercise include field and industrial trips to make education at ANDC an enriching and enjoyable experience.

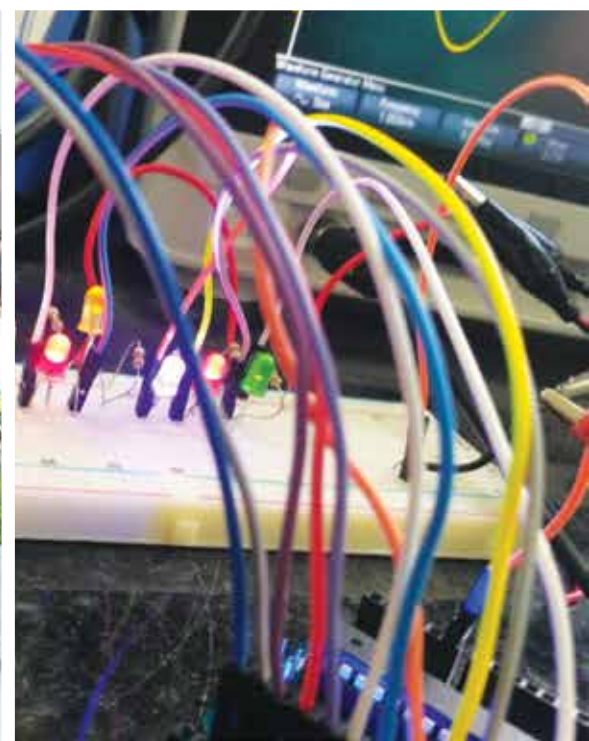
The IT and multimedia enabled classrooms and the laptops issued to the students encourage self-learning, particularly since the Operating System is 'Open Source'.

Teachers use a lot of multimedia materials in class; but pedagogically speaking, what the students bring to the table and contribute in class is equally important to us. It is important to dissolve the disconnect between what is there in textbooks and what transpires around them – students need to acquire the ability to apply the learnt concepts to solve real-life problems. We provide ample opportunities for students to explore and learn, and improve their skill-set. In order to take advantage of the best available educational training and resources, web- based courses and field work are now increasingly being utilized to supplement teaching.

The College conducted a video conferencing course on Genomics, Proteomics and Bioethics that was coordinated by Ohio State University (USA), Houston University (USA), Anna University, Chennai and Garvare College, Pune.

In order to facilitate the adoption of Open Source software in education, the new entrants to the college are provided training, at the Orientation programme as well as follow-up workshops during the semester.





ENTREPRENEURSHIP OPPORTUNITIES: FROM JOB SEEKER TO JOB CREATOR

With the changing social traditions, creation of self-employment opportunities and acquiring entrepreneurship skills have become de-rigueur. The College established an Innovation & Entrepreneurship Development Centre (IEDC) under the aegis of National Science and Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology (DST), Govt. of India. The Centre envisions motivating students to take up entrepreneurship in a proactive manner by helping them imbibe the pre-requisite information for establishing a start-up and creating self employment opportunities.

The Centre provided training through Entrepreneurship Awareness Camps (EAC), Entrepreneurship Development Programs (EDP) and funding for Students' Innovation Projects.

A unique facility – the Entrepreneurship Lab is a nerve centre for experimenting with entrepreneurship ideas and concepts. This initiative has already matured in the form of ANDY, an in-campus company that reflects the spirit and energy of ANDC's youth.

In recognition of these efforts, the Ministry of Micro, Small and Medium Enterprise (MSME), Govt. of India provided a grant of Rs. 66 Lakhs for establishing a Business Incubator (BI) to support the commercialization of innovative ideas generated in the college.

It is a matter of great honour for the College that it has been also sanctioned an Incubation Centre by the Department of Training & Technical Education,



Government of NCT of Delhi with a grant of Rs 1.5 Crores per year, thus joining the elite group of educational institutions which have been sanctioned Incubation Centers in Delhi. This then is a natural progression to the slew of measures undertaken by the College to promote innovation and entrepreneurship among its students.

The College understands that the start-up world is like a roller-coaster ride - volatile and shaky with extreme swings between meteoric highs and abysmal lows. In order to arrange a seamless transition from formal education to a young company, that is just beginning to develop, the College provides the entire start-up ecosystem in one place. Some of the more prominent opportunities to come up with innovative ideas catering to global demand include space for curated business interactions, dedicated office cubicles, the strong bulwark of Govt. funded incubation space, state-of-the-art laboratories with research grade equipments, 24 x 7 electricity and water supply, blazing fast 100 Mbps internet and a secure environment.

ENTERPRISE RESOURCE PLANNING (ERP) SUITE – POWERING THE DIGITAL CAMPUS INITIATIVE

transaction security since all receipts are generated in the digital mode by the College. Besides admission fees, other kinds of student-centric payments including registration fee for workshops/conferences, enrolment for add-on courses, Library fine, etc. are also paid online.

The College Library is completely RFID enabled through ERP with students having the facility to self-issue and return books, and you can imagine how happy the students are at this efficient mode of functioning!

Keeping in tune with modern technology, the Acharya Narendra Dev College introduced the cloud-based ERP suite in the year 2014. The system, when fully deployed, will make tracking and recording the life-cycle of each student who enters the portals of the College possible.

ERP's involvement in a student's life begins right at their point of entry in the College. Their RFID enabled 'smart' identity cards that allow entry into the college, act as library cards too and soon can be used for making any payment in the campus. The smart cards are updated with data input by students and college Administration/Library/Accounts through ERP.

Gone are the days of serpentine queues in scorching sun for depositing admission fees within fixed times. ERP permits online fee payment services with added



Faculty, do of course mark attendance online and several also conduct on-line assessments. Each student's unique 'dashboard' on the ERP provides details of his/her attendance as well as internal assessment marks in real-time. We make doubly sure that information reaches students through the group-email and SMS facility that is integrated within the ERP system. Reaching out to students (and getting their feedback) in their classes, tutorial or practical groups, societies, committees and clubs is eased using this integration. Personal notices to students,

Students can exercise their choice and apply for their optional GE, SEC, DSE papers too using the ERP. The system is also used for holding Students' Council elections on-line. Students' registrations, in the Placement Cell and in various campus recruitment drives and processes are also enabled through the feature-rich ERP. An exclusive 'Helpdesk Facility' to the students to report any problems related to various facilities in the college like canteen, fans/lights, library, drinking water, etc. is also enabled.

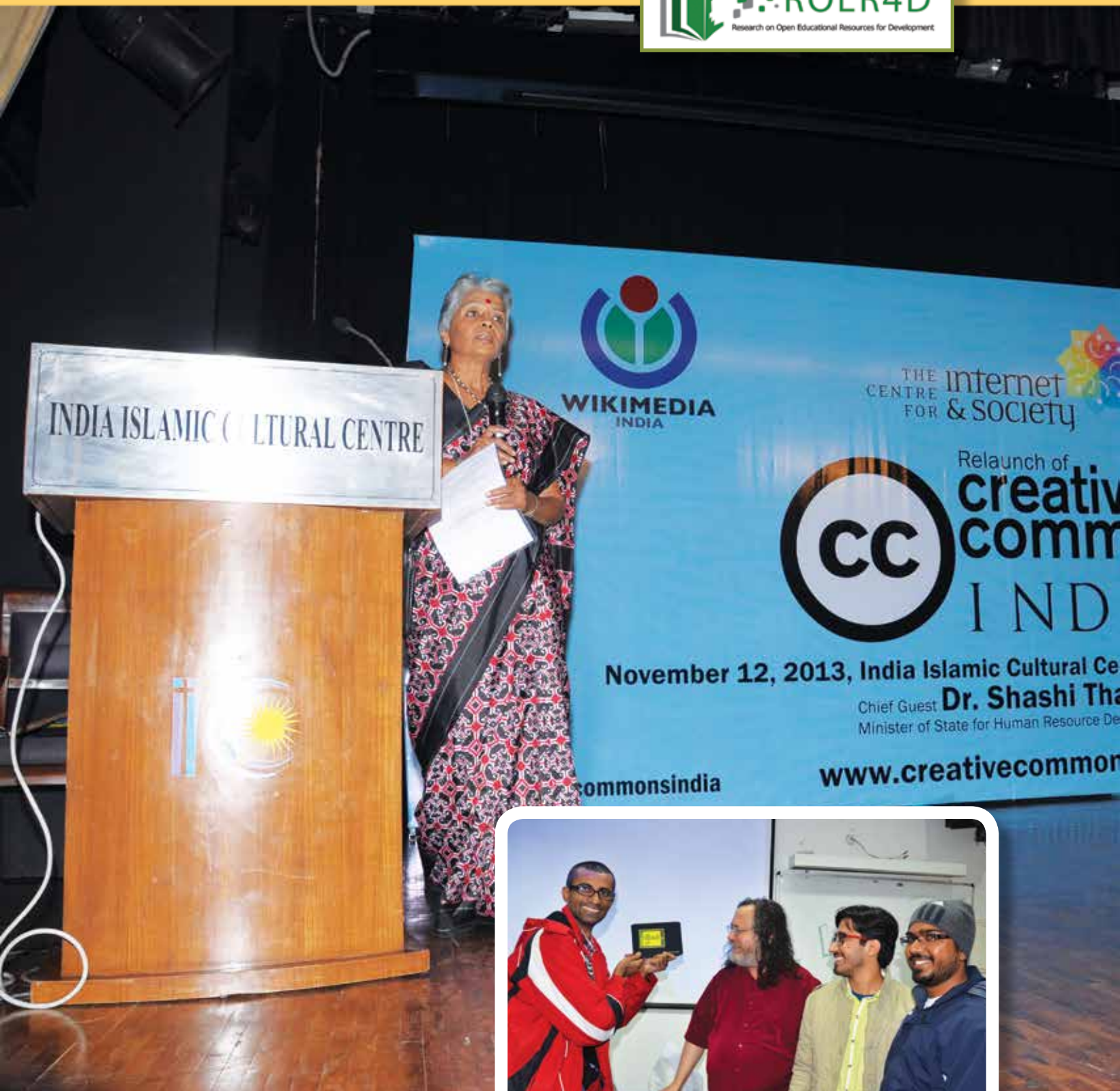
ERP automatically identifies Final year students as Alumni every year and



announcements of various activities/ Scholarship / Fellowships schemes/ ELITE/ EXPLORE/ SAKSHAM, other information useful to students shared by the faculty or the Principal also appear on the dashboard. Students can apply/register for any of the internal scholarships, or any workshop/ conference/activity through the system. Besides, Learning Exchange feature on ERP enables availability of previous years' question papers, e-content, power point presentations, ELITE reports etc.

information about Reunions/programmes are regularly sent to them *via* emails over the years.

In view of the fact that the ERP is crucial to their efficient use of facilities in the college, students are advised to keep their email ID and phone number as well as the password for the access to their own dashboard updated!



OPEN PARADIGMS IN EDUCATION: FREE ACCESS TO KNOWLEDGE

The College recognizes the importance of cooperation for the transfer of knowledge across the borders of society, nation, policies and economies. Inherent to this belief is the “The OPEN Paradigm”. It refers to institutional practices and programmatic initiatives that broaden access to learning and training than the ones traditionally available in a university system. Adoption of FOSS (Free and Open Source Software) in teaching and administration, creation and dissemination of OERs (Open Educational Resources) which are acclaimed practices world-wide have found resonance here and continue to benefit its primary stakeholders – the students!

ANDC has also been part of a major CSIR initiative on Open Source Drug Discovery. A large number of students were trained in diverse techniques and the data generated was uploaded on a open book platform for collaborative data analysis and later was published too. Students also contributed towards building a repository of recombinant proteins identified to be drug targets for *Mycobacterium tuberculosis*. This exposure helped them learn techniques as well as understand ‘Open Science’.

The College believes in readying the student with a holistic education for a multicultural world and for this paradigm shift lays emphasis at the following



Dr. Savithri Singh, Principal, Acharya Narendra Dev College, Affiliate of Creative Commons License in India and Vice-Chair of the WikiEducator International Community Council committed to building open educational resources (OERs), explains use of Creative Commons license

core areas of importance:

Pedagogical Impact – novel uses of OERs and their impact on education, analysis of their impact on the learning process itself, as well as their deployment in MOOCs, flipped classrooms, hybrid educational approaches and online education.

Open Educational Policies - policy issues and their impact on open educational practice, including licensing issues, alternative business models, cooperative efforts and government funding.

The crowning glory of the efforts for quality and innovation through OERs has been the international recognition in the form of the prestigious OPAL award (2011) at Berlin, Germany. The College is also a recognised Creative Commons Institutional Network Member while the Principal is CC Network member in her individual capacity.



LEARNING BY DOING: HANDS-ON TRAINING

The pursuit of knowledge is extremely dynamic and continuously evolving and we wish to provide the best and the latest. To facilitate the enhancement of knowledge base and adoption of modern technology in all the fields of academic endeavour, the College emphasizes on constant up-gradation of skill-sets. This is achieved through organization of various workshops, conferences, seminars, webinars, symposia, etc. These cover various academic as well as pedagogic issues. Besides workshops by teachers for students, workshops have also been conducted by teachers for other teachers, students for other students and by students for teachers! The College website would not be what it is if it were not for some excellent training by students.

We often call in experts when we identify an area that we wish to explore. This provides an opportunity for the College community

to interact with experts from diverse fields. In addition, it gives space for some novel hands-on learning not only for students but also for faculty and non-teaching staff.

The College is also recognized for its excellence under the 'Star College Scheme' funded by Department of Biotechnology, Govt. of India. The program offers the scope to improve skills of faculty through training, improved curriculum and emphasizes practical training for students by providing access to specialized infrastructure and consumables. The support has strengthened physical infrastructure in laboratories, library, teaching aids, and inspired networking with neighboring institutes. Hands-on training and projects of day-to-day relevance are promoted. Under its aegis, many experts have visited the College, including from USA (University of Rochester) and UK (University of York) and championed interdisciplinary yet contemporary topics ranging from 'Applications of Biomedical Imaging in Drug Discovery', 'The Global Problem of Pharmaceutical Pollution', 'Energy Harvesting', and 'Contemporary Environmental Concerns' to name a few.





THEATRE – AN ENABLING EXPERIENCE

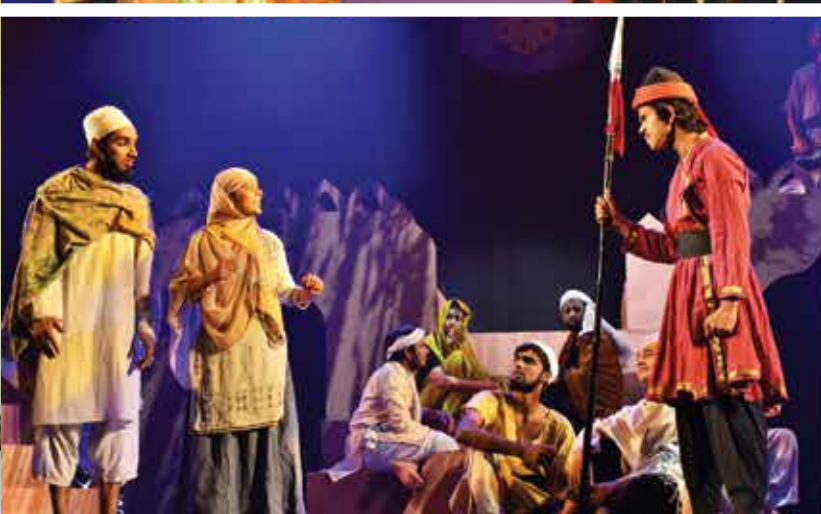
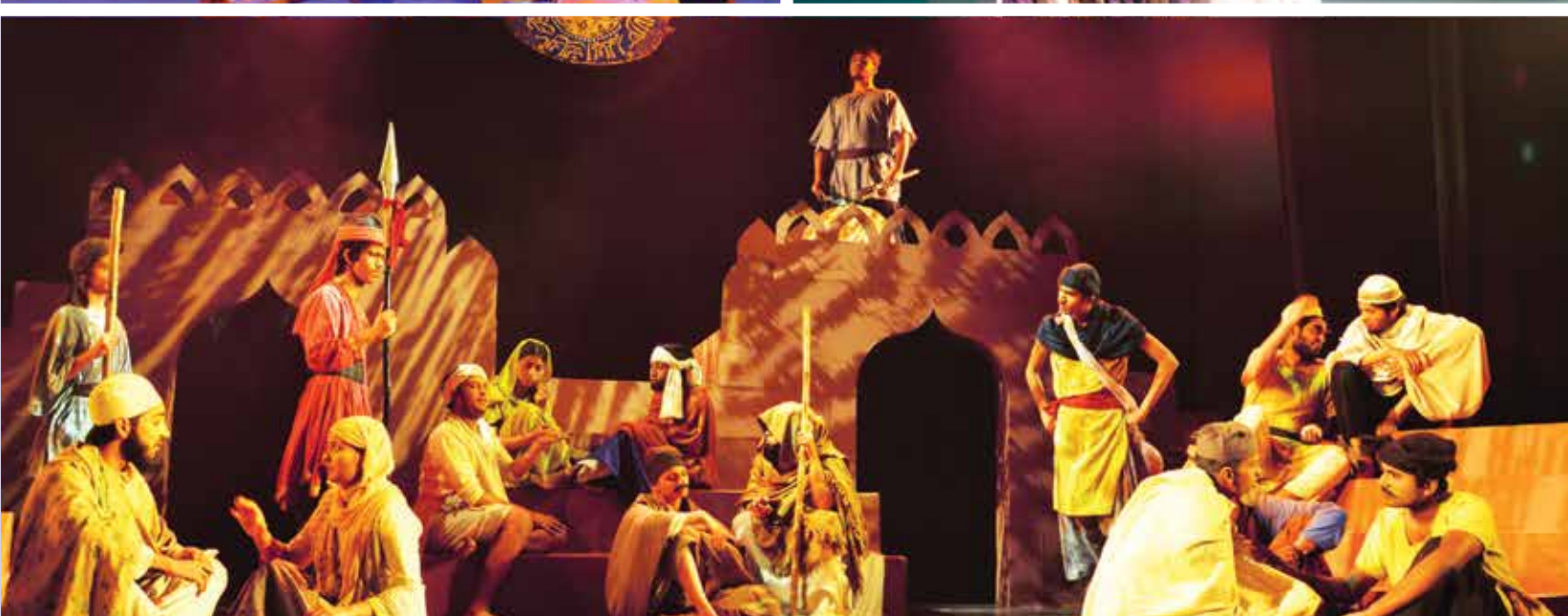
Acharya Narendra Dev College being primarily a Science college attracts a completely different set of student clientele compared to other colleges. The stress on 'Science' as enabling is still only present in the mindset of the people away from the metros – hence we admit a lot of students from sub-urban and rural backgrounds, and often from other states. Also most of them have been educated in Hindi medium and/or in circumstances that rely purely on didactic classroom teaching. This results in students often entering college with poor communications skills and a lack of confidence as also poor exposure to hands-on activities. In order to empower students with similar skill-set that a 'public school' education provides – that of self confidence and effective communication the College believes in using theatre as an enabling medium – hence the course **ECPDT – Effective Communication and Personality Development through Theatre.**

ECPDT encompasses dedicated 100-hours of rigorous training that seeks to empower the students with a healthy amount of self-belief, skills of critical analysis, decision-making capability and ability to think independently. The course is inspired by vision of life-skills-based education of UNICEF and WHO and dedicated resource persons associated with National School of Drama act as mentors. Training under ECPDT helps students overcome common predicaments like stage-fright and getting tongue-tied in public and acquire proficiency and dexterity thus developing a complete turn-around in their personality.

Dhwani – the theatre society is in sync with showcasing artistic talent and creative skills. Besides routine skits, street plays etc., *Dhwani* also nurtures personal growth by inculcating a sense of responsibility, trust and resourcefulness. It provides a platform for students to exhibit their acquired skill-set in the form of a mega Annual Theatre Production each year – we have gained repute for putting up the most professional of productions among the theatre circles.

In the last seven years of its existence *Dhwani* has successfully staged back-to-back mega productions at the Mecca of Theatre in Delhi - Sri Ram Centre.





“Gone are the days when theatre used to be just an extra-curricular activity. Now it's being combined with academics to provide a wholesome education to students. In theatre we learn the ability to express ourselves and gain confidence. These help us in choosing our careers well and excel in them. We learn concentration and the power of multi-tasking. This helps in academics and in balancing our lives.

“Dhwani” the theatre society of Acharya NarendraDev College (ANDC) gives us students the opportunity to join theatre and experience all these changes by ourselves. It conducts various activities throughout the year, like street plays, stage plays, mime, theatre gallery to name a few. One of its main events is Annual Theatre Production, which is performed at a professional level. Reputed directors from National School of Drama (NSD) direct the play and train the students over a month and it's performed in Asia's one of the largest auditorium Sri Ram Centre at Mandi House.

The scripting, acting, backstage work of making the required properties and setting-up of the stage all is done by the students themselves after a series of discussions. This enhances our creative thinking and helps us express our views and opinions with confidence and we get to know ourselves better which is required in all spheres of life.

Theatre in education is indeed a wonderful venture to enrich our lives with all the skills required.

Ms. Chaitanya Raj
B.Sc. (H) Physics – IV Semester
Member, *Dhwani* (since July 2016)





STUDENTS' EMPOWERMENT: MAKING THEM STRONGER AND CONFIDENT

The College understands the importance of educating students to become aware of who they are as a person and what they can contribute to their peer group. This goal can be achieved by encouraging students to work together, use their social skills and develop their leadership qualities. Besides, diversity along the dimensions of gender, socio-economic status, physical abilities, religious beliefs, political beliefs, or other ideologies also mark our society. We believe in providing an environment for exploration and understanding of these differences.

The **Equal Opportunity Cell (EOC)** of the College strives hard to ensure equality for persons with disabilities (PwD) to ensure their assimilation into the mainstream. The efforts of EOC have sensitized the entire college community towards people with special abilities and needs. This has also resulted in inspiring a number of differently-abled students to come forward for para-sports – a field that our sports faculty member specializes in.

Sashakt is the College society dedicated to empowering the girl students through discussions, seminars and other activities. It needs a concerted effort to encourage the girl students to grow up into independent, confident women, capable of taking their own decisions and speaking out against society-driven atrocities. That there is a greater need to educate the males in the

society has to be recognized if we are to attempt to sensitize and eliminate deep-rooted social malice towards women.

SAKSHAM (Student Aid for Knowledge, Success, Honour and Motivation) is a scheme that provides financial aid (often not only free-ships, but also monthly stipends and book-banks) to needy students for the entire duration of their study in the college. SAKSHAM has resulted in several success stories in the College!

Funded solely by the College, **EXPLORE** (Excursions for Peer Learning in an Open and Rejuvenating Environment), allows students to undertake short trips, educational tours or field trips accompanied by their classmates and faculty. These trips rejuvenate the students and provide them unique experiences which hitherto were not available to many.

Students' Council, the name the students' union goes by in the College has elected positions of the Mayor, Deputy Mayor, Treasurer, Council Secretary, Cultural Secretary and Class representatives. Working in the students' union has many advantages with the first being the ability to drive change. By leading campaigns and organizing events, one can steer the direction of the society, the university, and advance the causes that one believes in and this allows one to hone the important life skill of empathy besides developing good interpersonal skills. Common tasks such as managing budgets and running effective meetings allow development of many qualities including drive, leadership, influencing, multi-tasking, organizing, communication and negotiating. Having to make decisions that may be unpopular with some of your peers also enhances resilience.





SPORTS

The College subscribes to the adage 'A sound mind resides in a sound body' and hence reaffirms its commitment to personality development as a necessity for holistic education. Combining sports with education can motivate students and impart a healthy amount of self-confidence. Students are the builders of the Nation and hence at Acharya Narendra Dev College a lot of emphasis is given to physical fitness and sports so that they graduate as disciplined individuals with proficient minds.

The College has two Assistant Professors in Physical Education, with one of them being a Dronacharya Awardee, and under their guidance students are motivated towards excelling in sports. The College has facilities for table tennis, chess, cricket, football, volleyball, basketball and athletics. Exclusive coaches are engaged to train students to specialize in various sports.

The College lays special emphasis towards promotion of sports for para-athletes.

The College as part of its corporate social responsibility initiative organizes an annual multi-sport event for athletes with a range of disabilities, including impaired muscle power, passive range of movement, limb deficiency, vision impairment and intellectual impairment. The event garners

a lot of attention and looking at the enthusiasm displayed by the para-athletes one cannot but be overwhelmed with the qualities displayed by the athletes that include a positive outlook towards life, tolerance, patience and the wherewithal to handle competition and pressure.

Physical Education as a Generic Elective subject option is available to students in various undergraduate courses. First year students have to exercise their option for Generic Elective within a week of the start of the College session.



At ANDC we also consider yoga to be an integral part of Physical Education and to promote all-around fitness the College organizes yoga camps on a regular basis. The primary objectives of the camps are to provide basic knowledge about yoga, improvement of mental strength and concentration levels, reducing stress and anxiety related to studies/examinations besides building-up of physical fitness.

ANDC Sports activity calendar 2018 – 2019

S. No.	Activity	Dates
1.	Sports Selection & Coaching	August 1 to November 16, 2018
2.	Sports League (Coaching / Competition)	October 1 to November 3, 2018
3.	ANDC Delhi University Inter College Para Sports Meet	November 12, 2018
4.	Sports Coaching	January 1 to April 29, 2019
5.	Sports Week	February 1 to 9, 2019
6.	Sports Day	February 15, 2019

EXTRA CURRICULAR ACTIVITIES (ECA)

The College provides an enabling environment to every student to polish their non-scholastic skills by participating in various extra-curricular activities. We believe participation in extra-curricular activities goes a long way in shaping the personality of students. Various Societies and Committees have been constituted in furtherance of this objective. Students can register themselves with these Societies and Committees, that provide opportunities and guidance throughout the year to participate and excel in the activities of their interest. Students may join as many committees/societies they like. Most societies have an elected student body which takes responsibility of all the activities.

The College has an active SPICMACAY (Society for Promotion of Indian Classical Music and Culture Amongst Youth) unit that organizes performances by stalwarts

of Indian classical music and culture. Many distinguished maestros like Rajan and Sajan Mishra, Pandit Vishwa Mohan Bhatt, Ashwani Bhide, Wadali Brothers, Ustad Mazhar Ali Khan and Ustad Jawaad Ali Khan, Ritesh and Rajneesh Mishra, Pandit Sanjeev Abhyankar, Aashish Khan and many others have performed in the College to connect students with our roots. In addition, workshops for Indian traditional art forms like Madhubani and Kalamkari are also organized. Further, movies of world-renowned directors like Satyajit Ray, Ingmar Bergman and Charlie Chaplin have been screened.

The annual fest of the college 'Leiothrinx' is an event to showcase the diverse talent of students and hone and polish their latent skills. Students get an opportunity to showcase their dance, singing, acting, painting, debating, and many other skills. These events also bring to the fore the organizational skills and leadership qualities of the students. The literary skills of the students are abundantly reflected in the annual magazine, 'Insight'.





SOCIAL OUTREACH

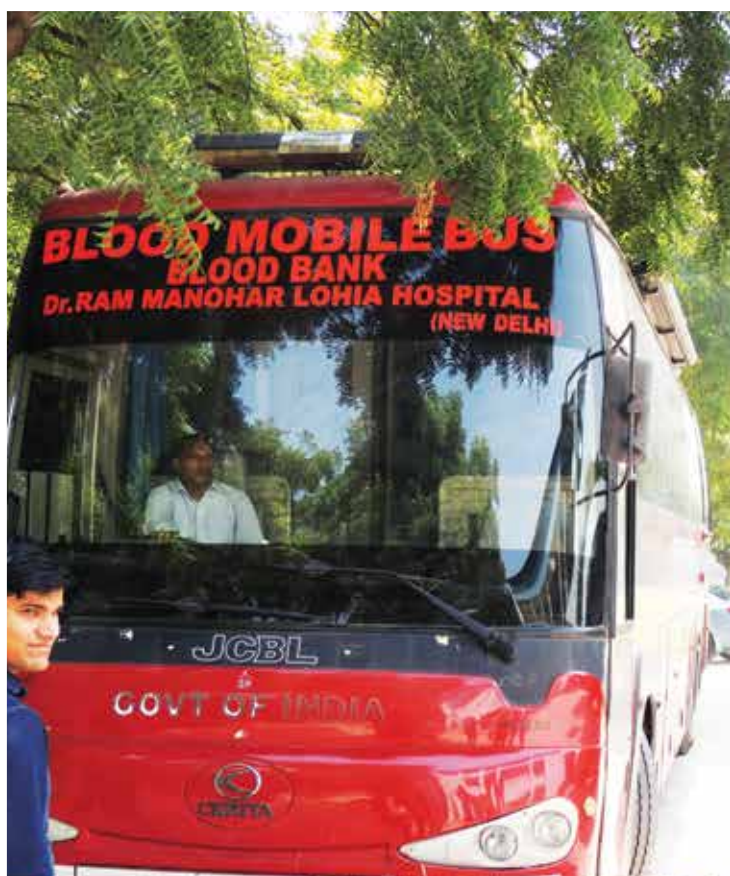
Over the years, students have shown remarkable maturity of thoughts, creativity and sensitivity for various facets of humanity and responsibility towards social and environmental concerns. The **National Service Scheme (NSS)** unit at ANDC brings students face-to-face with the realities of our social fabric, making them more sensitive and humane. Some thrust areas that NSS caters to are organizing health-check camps, blood donation camps, awareness programmes on AIDS, Thalassemia, smoking and use of tobacco, etc. A notable contribution of the NSS unit has been its commitment to 10 Thalassemic girls from economically weaker background to provide for their blood transfusion needs throughout the year.

The NSS unit of the College has always responded to the call of duty for the nation viz., volunteering for the 19th Commonwealth Games (New Delhi, 2010), participation in SAARC Youth Summit (Islamabad, 2011), disaster management during Uttarakhand and Kashmir floods, joining the Swatch Bharat Abhiyan, etc.

In fact, the NSS unit has adopted a few urban villages in Delhi for community development. Creating social awareness through 'SAHYOG', the Diwali Mela and contributing to the efforts of 'Goonj' also form part of the NSS activities.

The **Eco-Club** conducts environment awareness programmes using posters, street plays, visits to biodiversity parks, cleanliness drives etc. In most activities, NSS and Eco Club cooperate and function as one.

Recently the College has received 'Plastic Free College of the Year Award' at the National Environment Convention-2018 for freeing the campus from single-use plastics.





INCLUSIVENESS AND WELFARE

Student Inclusiveness:

North-East Students' Cell

Inclusion as a strategy for excellence in ANDC is the recognition that the institution's success is dependent on how well it values, engages, and includes diverse students, faculty, staff and the community. More than a short-term project or a narrow initiative, this comprehensive approach has involved a fundamental transformation of

the College's culture by embedding and practicing inclusion in every effort, aspect, and level of the institution. The goal is to make inclusion a norm that is implemented and practiced.

To advance this strategy of inclusivity and excellence the College has nurtured a forum for periodical deliberations on issues and concerns related to students from the North-East (NE) region and also to give students from the NE due representation in the College. The concerns may be related to a variety of matters including adapting to Delhi and the demands of college life. This forum also strives to promote awareness and celebrate the region's unique and magnificent cultures.

With these objectives and under the aegis of "Ek Bharat Shrestha Bharat" programme of the Government, the College formally inaugurated "The North-East Cell" of the College on March 2, 2017. The main objective behind this cell is counseling, mentoring, assisting and assimilating the students from the NE region to strive for their all round development.

Student Welfare

Medical Consultation and Psychologist/ Counsellor Facility

College engages services of a Medical Consultant and Psychologist/Counsellor in the College for the well-being of the students as well as staff members. Details of their availability in the Medical Consultation Room are as follows:

Dr. Kamala Rao, Senior Medical Officer (Physician and Gynaecologist) is the medical consultant available on Tuesdays and Thursdays from 11.00 a.m. to 1.00 p.m.

Ms. Aarushi Dewan, Psychologist/Counsellor is available on Mondays and Fridays from 11.00 a.m. to 2.00 p.m.





INFRASTRUCTURE

The College is amongst the best equipped in the University in so far as the laboratory infrastructure is concerned. We have state-of-the-art equipments that are used for regular teaching as well as for projects and research by students and faculty. They are sufficient (and more) in number to ensure that each student gets hand-on learning experience in the laboratories.

Some of the equipments that have attracted attention include UV Spectrophotometers, Quartz Crystal Microbalance, Thermal Evaporation System, Surface Plasmon Resonance Set-up, Keithley Source Meters, Gas Sensing Test Rig, Optical Breadboard, Vacuum Annealing Set-up, Glove Box with Atmosphere Control, Agilent/Tektronix Digital Storage Oscilloscopes, Physiological Data Acquisition System (Bio-pack), Fluorescence Microscope, ELISA reader, Refrigerated Micro-centrifuge, Lyophilizer, Gel Documentation system, Phase Contrast microscope, Dot-blot System with Vacuum Pump, Refrigerated Incubator shaker, -20°C Deep Freezer, Gel Electrophoresis (horizontal/vertical), Western Blot, Spirometers, Tissue Culture Facility, Millipore Water Purifier, PCR and Gradient PCR, Arbitrary Function Generator, Fiber Optic Trainer, Computer Based HALL Effect Set-up, Amplitude Mod/Demodulator Trainer with Spectrum Analyzer, PCB Drafting & Fabrication Set-up, and Laser Trainer Kits.

These equipments proffer the students an opportunity to experience some of the things taught in their theory classes. Operating these instruments they embark on a steep

learning curve as they get to appreciate the finer points of working with world class equipment.

The College has an enviable air-conditioned library that houses a comprehensive collection of over 27,000 volumes covering all the discipline courses. All issue/return maneuvers are automated through 'smart cards' based on RFID protocol thus reducing dependence of the student on library staff to minimal. The campus boasts of an excellent Wi-Fi connection (24 x 7) at speeds in excess of 100Mbps. The College has two air-conditioned conference rooms. The College also subscribes to several reputed journals and periodicals. In addition, the services provided by INFLIB-NET and DU library system help provide online access to hundreds of journals.

A hygienic canteen offering food at subsidized rates, a shop that stores all kinds of stationery for students, the Girls' Common Room, a mini-gym, space for indoor and outdoor games are eagerly awaiting the new entrants.





VISITORS AND RECOGNITIONS

The College has had the privilege of hosting a galaxy of distinguished personalities from diverse fields like academia, politics, social work, sports, art, literature and public service. To name a few, Prof. Alistair B. A. Boxall (University of York, UK), Prof. Milena Horvat (Jozef Stefan Institute, Slovenia), Dr. Soumya Mitra (University of Rochester, USA), Prof. Alan Warren (Natural History Museum, London), Dr. H. Phillip Stahl (NASA, USA), Dr Manda Clair (Western New Mexico University), Prof. C. R. Babu (eminent ecologist who has helped restore areas under the Yamuna and Aravalli Biodiversity Parks, besides the others that he is working on), Prof. Sudhir Sopory (JNU), Richard Stallman (Free Software Foundation), Professor Yash Pal, Davendra Jhajharia (Padma Shri and Arjuna Awardee), Ms. Shiela Dixit, Ms. Kiran Bedi, Shri Manish Sisodia, Dr. Girish Sahni (DG, CSIR), Dr. D. Salunke (Director, ICGB) and Prof. V. Ramgopal Rao (Director, IITD). The visitors have expressed their appreciation for the giant strides the College has been continuously taking in various fields. They felt happy to be among the students and

staff of the College, who in turn felt inspired to excel.

The Award of Good Practices in all the three years (2013, 2014 & 2015) that *Antardhvani* was held and the OPAL award of the Open Educational Quality Initiative at Berlin (2011) by a consortium which includes UNESCO, ICDE, EFQUEL and several European Universities recognized the College for the quality of education we provide.

Yet another page turned over with Department of Biotechnology (DBT, Govt) providing support to 7 departments (Biomedical Science, Botany, Zoology, Chemistry, Physics, Computer Science and Electronics) under strengthening component of Star College Scheme. The programme emphasizes holistic improvement in Science education at UG level and thus offers an opportunity to young scholars and faculty at UG level to excel in their scientific career. The scheme entails one time grant of INR 5 lakhs for each department and INR 2 lakhs per department under recurring head for a period of 3 years beginning 2017.

Four teachers of the College have been recognized by the University for Teaching Excellence – 3 in 2009 and one in 2014. In 2017, a faculty member was honoured on the occasion of the 95th Foundation Day of the University of Delhi with the prestigious 'Excellence Award for Teacher in Service in College', given to highly deserving individuals who have rendered exemplary service to the University. Seven teachers have been awarded the Meritorious Teacher awards by the Directorate of Higher Education (2011- 2018). Our faculty members stand out also when they win awards for their books or are invited to be editors of journals.













SCHOLARSHIPS, FELLOWSHIPS AND STIPENDS: LAURELS TO BE EARNED

At Acharya Narendra Dev College, our focus has always been on the students, whether it is the quality of education provided in the classroom or supporting a student financially so that he/she can continue his/her studies. Of course, we also award meritorious students.

Name (Number) of the Fellowship	Type	Award amount (in Rs.)	Eligibility	Criteria
D. C. Arora Fellowship (4)	Meritorious	6,000/-	All ANDC students	Marks secured in Ist and IInd years
	Needy	6,000/-	All ANDC students	At least 60% marks and 75% attendance in the academic year. Proof of family income is essential.
Teena Gupta Memorial Scholarship (6)	Needy & Meritorious	6,000/-	B.Sc. (H) Electronics B. Sc. (Physical Science with Computer Science)	Family income not more than Rs. 6,000/- per month, 75% attendance. Proof of family income is essential
Dr. (Ms.) Usha Aggarwal Tejaswini Scholarship (3)	Meritorious	3,600/- for each semester	B.Com. (H)	Class topper of B.Com. (H) in Semester I and II
Sri Sultan Chand Endowment Scholarship (1)	Meritorious	3,500/-	B. Com. (H)	Second topper in the second year of B. Com. (H)
Pushpa Paul Memorial Scholarship (2)	Meritorious	15,000/-	Girl students	Girl student/s with a vision for the future
Abhinav Halen Scholarship (2)	Needy	15,000/-	B.Sc. (H) Electronics	Low family income. Proof of family income is essential.
Krishna Toteja Memorial Scholarship (1)	Meritorious and needy	6,000/-	Girl students of B.Sc. (H) Zoology	Meritorious girl student with low family income. Proof of family income is essential.

Name (Number) of the Fellowship	Type	Award amount (in Rs.)	Eligibility	Criteria
Shraddhanjali: Dr. Saumya Saxena Students Endowment Scholarship (2)	Meritorious and Needy	6,000/-	B.Sc. (H) Botany	Meritorious 2nd year student (based on 1st year performance) and 3rd year student (based on 2nd year performance) with low family income. Proof of family income is essential.
Dr. Saumya Saxena Memorial Scholarship (1)	Meritorious and Needy	10,000/-	Girl students of B.Sc. (H) Botany	Meritorious girl student with low family income. Proof of family income is essential.
AND College Academic Award	University of Delhi Positions	I – 10,000/- II – 6,000/- III – 4,000/-	All ANDC students	Ist, IIInd and IIIrd position in the University of Delhi in the semester examinations
	South Campus Positions	I – 4,000/- II – 3,000/- III – 2,000/-	All ANDC students	Ist, IIInd and IIIrd position in South Campus, University of Delhi in the semester examinations
	Class Toppers	1,500/-	All ANDC students	Ist position with at least 75% marks in the class in the semester examinations
Student Aid for Knowledge, Success, Honour and Motivation (SAKSHAM)	Needy and deserving	1.Full Fee Waiver (Except Security Deposit) 2. Rs. 800/- per month stipend for ten months	All ANDC students	Low family income, 75% attendance. Proof of family income is essential.

Name (Number) of the Fellowship	Type	Award amount (in Rs.)	Eligibility	Criteria
		3. Book Bank Aid 4. Stationery + Photostat upto Rs. 3000/- for the whole academic year		
Earn While You Learn	Needy	Variable	All ANDC students	Based on need and willingness to work
Silver Jubilee Award for the Best All Round Student	All Rounder	10000/-	All ANDC students	Final year student who is meritorious and has actively participated in various activities of the college, was active in research and wins prize/awards for the college

CAMPUS PLACEMENTS: CONSOLIDATING THE FUTURE

The Placement Cell of the College helps the students to find suitable jobs by organizing placement drives. Reputed companies such as Genpact, HDFC Life Insurance Company Ltd., WIPRO WiSTA and WASE, IBM, Libsys, TCS and many others recruit students every year from our campus. In the last academic year, around 90 students got job offers in the campus placement drive. Recently, the College has been empanelled under the **Pradhan Mantri YUVA Yojna**. The College Placement Cell also acts in conjunction with the Central Placement Cell of the University of Delhi. Our Placement Officer was felicitated for his stellar role in placements by Wipro.

STAFF

Dr. Savithri Singh

Principal

Dr. Ravi Toteja

Vice Principal

Dr. Amit Garg

Bursar and Public
Information Officer

**Mr. Ravinder
Kumar Sagar**

Liaison Officer (SC/ST)

Dr. Chaman Singh

Liaison Officer (OBC)

Dr. Vikrant Kumar

Liaison Officer (PwD)

Dr. Subhash Kumar

Nodal Officer (North East
and Foreign students)

Ms. Rupali Pabreja

Nodal Officer (EOC)

Mr. Sanjay Vohra

Placement Officer
cum Instructor

FACULTY

S.NO.	Name of the Faculty	Designation
DEPARTMENT OF BIOMEDICAL SCIENCE		
1	Dr. Urmi Bajpai (TIC)	Associate Professor
2	Ms. Sunita Jetly	Associate Professor
3	Dr. Gagan Dhawan	Assistant Professor
4	Dr. Archana Pandey	Associate Professor
5	Dr. Rajesh Chaudhary	Assistant Professor
DEPARTMENT OF BOTANY		
1	Dr. M.S. Rajeswari	Associate Professor
2	Dr. Anupama Shukla (TIC, Botany)	Associate Professor
3	Dr. Anita Narang	Associate Professor
4	Dr. Charu Khosla Gupta	Associate Professor
5	Dr. Geetika Kalra	Associate Professor
6	Dr. Yasheshwar (TIC, Life Science)	Assistant Professor
7	Dr. Rashmi Sharma	Assistant Professor
DEPARTMENT OF CHEMISTRY		
1.	Dr. Sunita Hooda	Associate Professor
2.	Dr. Seema Gupta	Associate Professor
3.	Dr. Pooja Bhagat	Associate Professor
4.	Dr. Shalu Sachdeva	Associate Professor
5.	Dr. Rashmi Thukral	Associate Professor
6.	Dr. Neeti Misra	Associate Professor

7.	Dr. Manisha Jain	Associate Professor
8.	Dr. Neelu Dheer	Associate Professor
9.	Dr. Vandana Uberoi	Associate Professor
10.	Dr. Geetu Gambhir (TIC)	Assistant Professor
11.	Dr. Dinesh Kumar Arya	Assistant Professor
12.	Dr. Vikrant Kumar	Assistant Professor
13.	Dr. Pankaj Khanna	Assistant Professor

DEPARTMENT OF COMMERCE

1	Ms. Sangeeta Relan	Associate Professor
2	Ms. Sadhna Gupta	Associate Professor
3	Dr. Surinder Kaur	Associate Professor
4	Ms. Anuradha Sarin	Associate Professor
5	Ms. Poonam Chauhan (TIC)	Assistant Professor
6	Ms. Rupali Pabreja	Associate Professor
7	Dr. Sandeep Kumar Goel	Associate Professor
8	Dr. Shalu Mahajan	Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE

1	Dr. Sharanjit Kaur	Associate Professor
2	Dr. Vibha Gaur	Associate Professor
3	Dr. Sunita Narang	Assistant Professor
4	Dr. Harita Ahuja (TIC)	Assistant Professor
5	Dr. Preeti Marwaha	Assistant Professor
6	Dr. Chandrakant Samal	Assistant Professor
7	Ms. Anu Preveen (Temp.)	Assistant Professor

DEPARTMENT OF ELECTRONICS

1	Dr. Sona Pranav Kumar	Associate Professor
2	Dr. Anju Agrawal	Associate Professor
3	Dr. Amit Garg	Associate Professor
4	Mr. Vishal Dhingra	Assistant Professor
5	Dr. Udaibir Singh	Assistant Professor
6	Dr. Ravneet Kaur (TIC)	Assistant Professor

DEPARTMENT OF ENGLISH

1.	Mr. Manoj Kumar Garg (TIC)	Assistant Professor
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DEPARTMENT OF MATHEMATICS

1	Ms. Anupama	Associate Professor
2	Dr. Vatsla Kohli	Associate Professor
3	Mr. Gaurav Sharma	Associate Professor
4	Dr. Roopesh Tehri	Associate Professor

5	Dr. Laxmi Narain (TIC, Physical Science with Chemistry)	Associate Professor
6	Ms. Seema Gupta	Associate Professor
7	Dr. Sada Nand Prasad	Assistant Professor
8	Dr. Chaman Singh (TIC, Mathematics)	Assistant Professor
9	Dr. Sarita Agarwal (Temp.)	Assistant Professor
DEPARTMENT OF PHYSICS		
1	Dr. Mamta Bhatia	Associate Professor
2	Dr. Sanjeeta Rani (TIC, Physical Science with Computer Science)	Associate Professor
3	Dr. Manisha Verma	Associate Professor
4	Dr. Shalu Dhanda (TIC, Physics)	Associate Professor
5	Dr. Meenu Mohil	Associate Professor
6	Dr. Arijit Chowdhuri	Assistant Professor
7	Dr. Priti Goyal	Associate Professor
8	Dr. Ranjeet Singh (TIC, Physical Science with Electronics)	Assistant Professor
9	Dr. Subhash Kumar	Assistant Professor
10	Dr. Rachna Joshi	Associate Professor
11	Mr. Pawan Kumar	Assistant Professor
DEPARTMENT OF ZOOLOGY		
1	Dr. Poonam A. Kant	Associate Professor
2	Dr. Sarita Kumar (TIC)	Associate Professor
3	Dr. Monisha Khanna Kapur	Associate Professor
4	Dr. Ravi Toteja	Associate Professor
5	Dr. Monica Misra	Associate Professor
6	Dr. Seema Makhija	Associate Professor
7	Mr. Ravinder Kumar Sagar	Assistant Professor

ADMINISTRATION

Mr. V. S. Rao	Administrative Officer
Mr. Chetanya Sharma	Section Officer Accounts
Mrs. Meenu Malhotra	Section Officer Administration

ADMISSIONS 2018

Choice Based Credit System (CBCS)

CBCS has been introduced by DU with a vision to evolve a higher education system that is suitably blended with provision for knowledge values and skill practice, where every student learns without sacrificing his/

her creativity. The current higher education curriculum does not impart the necessary skills that would make the students employable adequately. There is a lack of interdisciplinary approach as well as very little scope for value based courses to be taught. In addition, the evaluation methods are largely based on memory recall processes. Moreover, the students don't learn to think and analyze on their own. Also, the system is not effective enough in meeting/empowering students to think on matters/issues independently.

Outline of Choice Based Credit System

1. Core Course: A course which should compulsorily be studied by a candidate as a core requirement is termed as a Core Course.
2. Elective Course: Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/ domain or nurtures the candidate's proficiency/skill is called an Elective Course.
 - 2.1 Discipline Specific Elective (DSE) Course: Elective courses offered by the main discipline/subject of study is referred to as Discipline Specific Elective.
 - 2.2 Dissertation/Project: An elective course designed to acquire special/advanced knowledge, such as supplement study/ support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/ faculty member is called dissertation/project. Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester.
 - 2.3 Generic Elective (GE) Course: An elective course chosen generally from an unrelated discipline/ subject, with an intention to seek exposure is called a Generic Elective. The college offers the following GE papers to the students.

Generic Elective - I (GE-I) offered by various Departments

S.No.	Department	GE - I in Semester I
1	Biomedical Sciences	a. Basics of Immunology b. Biological Chemistry c. Biosafety and Bioethics d. Concepts in Biotechnology

S.No.	Department	GE - 1 in Semester I
2	Botany	Biodiversity (Microbes, Algae, Fungi & Archegoniate)
3	Chemistry	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbon
4	Commerce	Economics- Microeconomics
5	Computer Science	Introduction to Programming
6	Electronics	Electronic Circuits & PCB Designing
7	English	Language, Literature and Culture
8	Mathematics	Calculus
9	Physical Education	Introduction to Physical Education
10	Physics	a. Electricity & Magnetism b. Digital, Analog and Instrumentation
11	Zoology	a. Animal Diversity b. Insect, Vector and Diseases

Students can choose any one GE-I paper from a department other than their parent department. However any GE-I paper from the above table may not be offered if sufficient numbers of students do not opt for it.

3. Ability Enhancement Courses (AEC)

3.1 Ability Enhancement Compulsory Courses (AECC): Environmental :

Environmental Science, English Communication.

3.2 Skill Enhancement Courses (SEC)

These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge and should contain both theory and lab/hands-on/training/field work. The main purpose of these courses is to provide students life-skills in hands on mode so as to increase their employability.

SCHEME FOR CHOICE BASED CREDIT SYSTEM

a – All B.Sc. (H) and B.Com (H) Courses

Semester	Core Course	Ability Enhancement Compulsory Course (AECC)	Skill Enhancement Course (SEC)	Elective: Discipline Specific (DSE)	Elective: Generic (GE)
I	C 1 C 2	(English Communication) Environmental Science			GE - 1

Semester	Core Course	Ability Enhancement Compulsory Course (AECC)	Skill Enhancement Course (SEC)	Elective: Discipline Specific (DSE)	Elective: Generic (GE)
II	C 3 C 4	(English/Hindi/MIL Communication) Environmental Science			GE - 2
III	C 5 C 6 C 7		SEC - 1		GE - 3
IV	C 8 C 9 C 10		SEC - 2		GE - 4
V	C 11 C 12			DSE - 1 DSE - 2	
VI	C 13 C 14			DSE - 3 DSE - 4	

b – B.Sc Physical Science and Life Science

Semester	Core Course	Ability Enhancement Compulsory Course (AECC)	Skill Enhancement Course (SEC)	Elective: Discipline Specific (DSE)
I	DSC - 1 A DSC - 2 A DSC - 3A	(English Communication) Environmental Science		
II	DSC - 1 B DSC - 2 B DSC - 3 B	(English Communication) Environmental Science		
III	DSC - 1 C DSC - 2 C DSC - 3 C		SEC - 1	
IV	DSC - 1 D DSC - 2 D DSC - 3 D		SEC - 2	
V			SEC - 3	DSE - 1A DSE - 2A DSE - 3A
VI			SEC - 4	DSE - 1 B DSE - 2 B DSE - 3 B

Courses Offered and Number of Seats

Undergraduate Course	Number of Seats	Gen	SC	ST	OBC
B. Sc. (Honours) Biomedical Science*	50	25	07	04	14
B. Sc. (Honours) Botany	50	25	07	04	14
B. Sc. (Honours) Chemistry	50	25	07	04	14
B. Sc. (Honours) Computer Science*	50	25	07	04	14
B. Sc. (Honours) Electronics	50	25	07	04	14
B. Sc. (Honours) Physics	50	25	07	04	14
B. Sc. (Honours) Zoology	50	25	07	04	14
B. Sc. Life Sciences	45	25	07	03	12
B. Sc. (Honours) Mathematics	50	25	07	04	14
B. Com. (Honours)	100	50	15	08	27
B. Sc. Physical Science with Physics, Mathematics					
and Chemistry	45	23	07	03	12
and Computer Science	45	23	07	03	12
and Electronics	45	23	07	03	12
POSTGRADUATE COURSES @					
M. Sc. (Chemistry)	31	16	05	02	08
M. Sc. (Mathematics)	31	16	05	02	08
FOREIGN LANGUAGES #					
(a) Certificate Courses					
French *	62	31	09	05	17
German *	62	31	09	05	17
Spanish*	62	31	09	05	17
Russian	20	10	3	2	5
(b) Diploma Courses*					
French	31	16	05	02	08
German	31	16	05	02	08
Spanish	31	16	05	02	08
(b) Advanced Diploma					
French	31	16	05	02	08
German	31	16	05	02	08
Spanish	31	16	05	02	08

The Diploma and Advance Diploma Courses are subject to the admission of minimum number of required students.

As per the University of Delhi rules the following supernumerary seats are reserved:

- ❑ 5% for Persons with Disabilities (PwD)
- ❑ Up to 5% seats under Sports/ECA (Extra Curricular Activities) quota

- ❑ Up to 5% seats for the wards of Kashmiri Migrants
- ❑ 5% seats for candidates under CW (Children/Widows) of eligible Armed Forces personal
- ❑ 5% seats for Foreign students

* These courses are self-financed.

@Admission to PG courses is done through a centralized procedure in the University of Delhi.

#The Information brochure and the application forms for the Foreign Language Courses will be available in the College from Monday, July 02, 2018 to Monday, July 16, 2018.

Admission Guidelines

All the candidates [UR (unreserved), OBC, SC, ST, PwD, ECA, Kashmiri Migrants, Foreign Students, Children/Widows of eligible Armed Forces personnel] seeking admission to the Undergraduate (UG) Courses in different colleges of the University of Delhi are required to register online on the following UG admission portal: <https://ug.du.ac.in/app/>

Foreign Students may visit <http://fsr.du.ac.in> for details related with their registration/admission process.

Admission Procedure

- The announcement of cut-off lists for all courses/categories (UR, OBC, SC, ST, PwD, ECA, Sports, Kashmiri Migrants, Foreign Students, Children/Widows of eligible Armed Forces personnel) will be made through the University as well as college website.
- The candidates must check the University and the College website (<http://andcollege.du.ac.in>) for cut-offs for different courses and the various categories.
- The candidates who meet the requisite cut-off in their choice of subject as well as the category they fall under should login to the UG admission portal and select college/course where the candidate wishes to take admission and meets the desired cut-off criterion.
- A relaxation of 1% in the cut-off will be given to girl candidates seeking admission to the following courses at Acharya Narendra Dev College:
 - a. B.Sc. (H) Chemistry
 - b. B.Sc. (H) Computer Science
 - c. B.Sc. (H) Electronics
 - d. B.Sc. (H) Physics
 - e. B.Sc. Physical Sciences (Computer Science)
 - f. B.Sc. Physical Sciences (Electronics)
- The College will admit all students who have marks that meet the announced cut-off criteria, as per schedule. There is no first-come-first-serve policy.
- The candidate who could not take admission in a given cut-off list can be considered for admission in the immediate next cut-off list only on the last date of admission, subject to availability of seats.
- The candidate should bring the printout of the admission form and the required documents to the College

within the specified schedule for a cut off for the verification of marksheets, calculation of cut-off percentage and verification of other documents.

- If the documents and marks percentage of the applicant are found in order, the college will approve the admission on the UG admission portal.
- The candidate will then be required to log on to the UG admission portal to make the online payment of Admission Fee.
- At the time of admission, the student must be accompanied by his/her parent/guardian.
- Original documents will be deposited in the College.

List of Documents Required at the Time of Admission:

The applicant shall be required to produce the following documents in original along with two sets of self-attested photocopies at the time of admission:

1. Class X Board Examination Certificate
2. Class X Marks sheet
3. Class XII Marks sheet

4. Class XII Provisional Certificate/ Original Certificate
5. Character Certificate (recent)
6. Documentary evidence of having studied Hindi till Class VIII, if the student has not studied Hindi in Class X. Those students who do not have Hindi pass certificate should give a written undertaking that they will clear the Compulsory Test in Hindi in order to receive the graduation degree.
7. SC/ST/PwD/CW(Children/Widows) of eligible Armed personnel/Kashmiri Migrant Certificate (in the name of the candidate) and issued by the competent authority.
8. OBC (Non-Creamy layer) Certificate (in the name of the applicant). Caste must be in central list issued by <http://ncbc.nic.in/backwardclasses/index.html>.
9. Transfer Certificate from school/ college as well as Migration Certificate from Board/University are required from those students who have passed senior secondary examination from outside Delhi
10. At least two passport size self – attested photographs.

The College will accept self –attested copies of documents/papers provided by the students. If any false attestation / falsified records are detected, the students will be debarred from attending any course in the University or its college(s) for the next five years and in addition, a criminal case under relevant sections of IPC (viz. 470, 471, 474 etc.) will be instituted against him/her.

Admission shall be subject to verification of the certificates. The College retains the right to seek authentication from the concerned authorities issuing the certificates.

The approved candidate is permitted to make online admission fee payment till 12 noon of the subsequent day of the last day of the given admission list. **It may be noted that admission in the college is completed only after payment of the online admission fee on the DU UG admission portal within the prescribed time-limit.**

The College will retain the certificates of approved candidates in order to avoid multiple admissions by a candidate. However, the College shall promptly return the documents

in case a student withdraws/cancels the admission or the student wishes to appear in counseling of any other university/institute. Processing for fee refunds (with deductions as per rules) will be undertaken after the completion of the whole admission process for the year in the College.

A candidate can take admission only in one course in one college at any given time. In case a student wishes to cancel the admission in a course/college, the candidate should approach the college where admission is taken. Only after the College cancels the admission of a candidate, the candidate can proceed to take admission in any other course/college.

Admission fee will be adjusted automatically and student will pay the balance fee, if the fee is more in the new college/programme in which the admission is taken. In case the fee is less in the new college/programme in which the admission is taken, the balance would be refunded to the applicant's account as per the College/University rules

after the admissions are closed.

In case the student is already enrolled in the University of Delhi, the University Enrolment Number should be mentioned in the admission form.

Eligibility Criteria for Admission

There is no minimum age bar for admission to Under-Graduate courses and Post-Graduate courses in the University and its colleges. Selection in various UG courses offered by the College will be done on the basis of marks secured in the class XII Examination of the CBSE or an equivalent Board.

The applicant should take into account both theory and practical (where relevant) marks while submitting their aggregate percentage. The minimum eligibility conditions are set by the University for admission to the respective courses. These are enumerated below for the courses available in the college:

A. General Category

S. No.	Course	Requirement of Subjects Studied and Passed	Minimum Eligibility	Specific Requirements
1.	B. Sc. (Hons.) Biomedical Science	Physics, Chemistry, Biology/ Biotechnology, English	An aggregate of at least 55% in Physics, Chemistry, Biology/ Biotechnology (PCB/ Bt) subjects. At least 50% marks in English (compulsory subject)	Students having PCB/ Bt with Mathematics (at least 60% marks) will be given an advantage of 3% over and above their PCB/Bt aggregate
2	B.Sc. (Hons) Botany Zoology	Physics, Chemistry and Biology/ Biotechnology	55% or more marks in the aggregate of Physics, Chemistry and Biology/ Biotechnology (Practical & Theory together)	Selection will be made on the basis of marks in the aggregate of Physics, Chemistry and Biology/ Biotechnology

S. No.	Course	Requirement of Subjects Studied and Passed	Minimum Eligibility	Specific Requirements
3	B.Sc. (Hons.) Computer Science	Mathematics, one language and two other subjects listed as academic subjects	Should have secured a) 60% or more marks in Mathematics b) 60% or more marks in aggregate of four subjects including Mathematics, one language and two other subjects listed as Academic Subjects (List A)	Selection will be made on the basis of best four academic subjects including one language, Mathematics and two subjects out of Physics, Chemistry and Computer Science / Informatics Practices. For the students of other streams: one Language, Mathematics with two Academic Subjects (List A) with a deduction of 2%.
4	B.Sc. (Hons.) Mathematics	Mathematics, one language and two other subjects listed as academic subjects	50% marks in Mathematics and an aggregate of 45% marks in the qualifying examination	The merit shall be determined on the basis of one language, Mathematics and two best elective subjects (List A)
5	B.Sc. (Hons.) Physics Chemistry Electronics	Physics, Chemistry and Mathematics	55% or more marks in the aggregate of Physics, Chemistry and Mathematics and 50% in one compulsory language	Selection will be made on the basis of marks in the aggregate of Physics, Chemistry and Mathematics
6	B.Sc. Physical Science	Physics, Chemistry/ Computer Science, Mathematics	45% or more marks in the aggregate of Physics, Chemistry/ Computer Science, Mathematics (Practical & Theory together) and passing with 40% in English.	Selection will be made on the basis of marks in the aggregate of Physics, Chemistry/ Computer Science, Mathematics
7	B.Sc. Life Science	Physics. Chemistry, Biology/ Biotechnology	45% or more marks in the aggregate of Physics, Chemistry, Biology/Biotechnology (Practical & Theory together) and passing with 40% in English.	Selection will be made on the basis of marks in the aggregate of Physics, Chemistry, Biology/ Biotechnology

S. No.	Course	Requirement of Subjects Studied and Passed	Minimum Eligibility	Specific Requirements
8	B.Com. (Hons.)	Mathematics/ Business Mathematics, one language and two other subjects listed as academic subjects	An aggregate of 45% marks in the qualifying examination	<p>Selection shall be made on the basis of marks obtained in qualifying examination including one language and three best subjects as per the following:</p> <p>One Language from Part 1 of List C1 + three best subjects out of Part 2 of List C1.</p> <p>OR</p> <p>One Language from Part 1 of List C1 + any combination of subjects out of Part 2 of List C1, List C2 or any other subject (not listed either in List C1 or List C2). In such a case, the deduction of marks from aggregate percentage of 'Best Four' shall be as follows:</p> <p>i. For every subject included from List C2, a deduction of one percent in aggregate percentage of 'Best Four';</p> <p>ii. For every other subject (not listed either in List C1 or List C2), a deduction of 2.5% per subject in aggregate percentage of 'Best Four'.</p>

All the subjects to be included for Basis of Selection (PCM/PCB/Bt/Best of Four) must have at least 70% theory component of examination. In case, the subjects to be considered do not have 70% theory component and 30% practical component, then the marks of theory and practical must be converted to 70% and 30% respectively on pro rata basis. These new marks will then be considered for calculation of PCM/PCB/Bt/Best of Four.

Note: The candidate should have passed theory and practicals separately, except the candidate who passed the qualifying examinations from the Council for Indian School Certificate Examination, New Delhi.

LIST C1 – List of Core Subjects for B.Com. (Hons.)

PART 1 (Language)	PART 2 (Core Subjects)
English	Mathematics
Hindi	Accountancy
	Business Studies / Commerce
	Economics

LIST C2 – Additional List of Subjects for B. Com. (Hons.)

Botany	Geography	Philosophy	Statistics
Business Mathematics	Geology	Physics	Zoology
Biology/ Biotechnology	History	Political Science	
Chemistry	Home Science	Psychology	
Computer Science/ Informatics Practices	Legal Studies	Sociology	

##Note: For admission to B. Com. (Hons.).

1. The applicant must have studied and passed Mathematics/Business Mathematics at the qualifying examination.
2. The computation of 'best four' subjects in the above framework should lead to an effective and unique 'best four' which would be higher than any other combination of 'best four' subjects.

B. Scheduled Caste / Tribe Candidates

As per University rules 22 ½ % of the total number of seats are reserved for candidates belonging to Scheduled Castes/ Tribes (15 % for Scheduled Castes and 7 ½ % for Scheduled Tribes- interchangeable, if necessary). The seats reserved for the SC/ST candidates shall be filled by the SC/ST candidates only. Relaxation in the minimum eligibility in the qualifying examination to the extent of 5% shall be given to SC/

ST candidates. In case, after giving 5% relaxation, the reserved seats still remain vacant, further relaxation shall be given to the extent required in order to fill up all the reserved seats. Eligibility in these cases is pass percentage.

SC/ST students who get admission under open merit will not be included in the reserved quota i.e. 22 ½ %.

C. Admission of Other Backward Classes (OBCs) students

Twenty seven per cent seats in each course will be reserved for the OBC candidates who belong to the 'Non-Creamy Layer' and whose castes appear in the Central List of the OBCs only. The non-creamy layer is identified by the Gross Annual Income below INR 6 lakhs in the year immediately preceding the year of admission. Students have to produce an original OBC certificate in their own name that states they are not from the creamy layer (socially advantaged persons).

The validity of the non-creamy layer certificate must be for the financial year 2017-2018 (as mentioned in DOPT Office Memorandum No. 360312/22/93-Estt. (SCT) dated 15.11.1993) issued by a competent authority (as provided in DOPT Office Memorandum No. 36012/22/93-Estt. (SCT) dated 15.11.1993). For OBC applicants who belong to non-creamy layer and whose caste appears in the Central List of OBC only, shall be considered for admission under OBC category (validity of the non-creamy layer certificate must be as mentioned in DOPT Office Memorandum No. 36036/2/2013-Estt. (Res - 1) dated 31.03.2016). **The validity of the non-creamy layer certificate shall be for the financial year 2017-18 issued after 31 March 2018.**

The OBC candidates shall be given a relaxation in the minimum eligibility in the qualifying examination to the extent of 10% of the minimum eligibility marks prescribed for the General category candidates.

The seats reserved for the OBCs shall be filled with the OBC candidates only.

Only if OBC candidates possessing the minimum eligibility marks are not available on last date then the vacant OBC seats shall be filled up by other eligible candidate subject to approval from the University.



The merit list for the general category seats will comprise of all candidates in the order of merit. No one will be excluded from the same. In other words, it will also include SC/ST/OBC candidates, if they come in general merit. The candidate cannot be excluded from the general category just because she/he belongs to SC/ST/OBC. Such a candidate is entitled to be considered under the general category, as well as under the reserved category.

Admission to open category seats will be strictly in the order of merit without excluding SC/ST/OBC candidates.

Candidates seeking admission under SC/ST/OBC category should have certificates in their name only.

D. Persons with Disabilities (PwD)

As per the provisions of Rights of Persons with Disabilities Act, 2016, not less than five percent (5%) seats are reserved for Persons with Benchmark Disabilities, where "person with benchmark disability" means a person with not less than forty percent (40%) of a

specified disability. The specified categories of disabilities as mentioned in the Schedule to the Rights of Persons with Disabilities Act, 2016 are eligible to get the benefit of the said reservation [See University Information Bulletin for details].

E. Admission on the Basis of Sports and Extracurricular Distinctions

Up to 5% of the total number of seats of the first year will be offered for admission on the basis of Sports and Extra Curricular Activities (ECA) quota. Applicants seeking admission under the Sports and ECA category are required to register online on DU Admission portal indicating their specific activity/sport. Candidates seeking admission under Sports/ECA category must complete their Preliminary and Final rounds of trials at University level. They should thereafter approach specific College and apply for admission once the college

has put up the merit list. [See University Information Bulletin for details].

The candidates selected under ECA/Sports quota shall submit an Undertaking on Non-Judicial Stamp Paper of Rs. 100/- at the time of admission stating that the candidate will perform for/represent the College and University for the entire period of the candidate's undergraduate programme of study. The college has a right to cancel their admissions if they violate the undertaking during their stay in college.

Disclaimer: College reserves the right to change the number and nature of specific game/ sport and their respective position/ event/ weight category depending upon the availability of applicants at any stage of admission.

F. Gap year students

Students with a gap in their education may be admitted in the College. Such gap year students must bring, in original, admission slips, admit cards etc. for any examination

taken or certificates of courses attended in the gap period to be eligible for admission to the undergraduate course for which they qualify.

G. Other Special Categories

I Admission of Kashmiri Migrants

- i. Up to 5% seats are reserved course-wise in all colleges for wards of Kashmiri Migrants.
- ii. All the wards of Kashmiri Migrants, who wish to be considered for admission to various undergraduate courses of the university, have to register online as notified by the University.
- iii. The ward of Kashmiri Migrant will have to upload a certificate of registration as Kashmiri Migrant issued by

Divisional Commissioner/Relief Commissioner.

- iv. A concession of maximum 10% in the last cut off marks for General category candidates shall be extended to the wards of Kashmiri Migrants.
- v. The admission of the wards of Kashmiri Migrants will be based on cut-offs to be announced by the colleges.
- vi. The candidate selected under special scholarship scheme for J&K will be admitted directly.

II Admission for the under mentioned Categories are centralized:

- (i) **Armed Forces (CW):** Admission in CW category is offered to children /widows (CW) of the officers and men of the armed forces including Para-Military Personnel, killed/disabled in action or on duty, and gallantry awardees.

- (ii) **Foreign Students:** All foreign students, including those who have completed their schooling from an Indian Board will be treated as foreign students for the purpose of their registration/admission in various undergraduate courses in colleges of University of Delhi.

All Students seeking admissions under the above mentioned categories should get themselves registered in the University on the DU UG admission portal. The University will allocate course and college to the applicants and forward the list to the college. The College will admit the students as per the list. For further details please refer University website (www.du.ac.in).

Calculation of 'Best Four' Percentage

For calculating 'Best Four' percentage, following are to be included:

- a. One language and three best academic/elective subjects from LIST A given below.
- b. Out of three, academic/elective subject chosen above, one must be the concerned subject in which the admission is sought, failing which a deduction of 2.5% will be imposed on the calculated 'Best Four' percentage.
- c. If an applicant doesn't include the subjects given in LIST A in 'Best Four', then a deduction of 2.5% of maximum marks will be levied for each subject for the purpose of calculating 'Best Four'.

LIST A (ACADEMIC/ELECTIVE SUBJECTS)

Arabic	English	Italian	Punjabi
Bengali	French	Legal Studies	Psychology
Botany	Geography	Mathematics	Sanskrit
Biology/ Biotechnology	Geology	Accountancy	Sociology
Chemistry	German	Persian	Spanish
Commerce/Business Studies	Hindi	Philosophy	Statistics
Computer Science/ Informatics Practices	History	Physics	Urdu
Economics	Home Science	Political Science	Zoology

Note:

- A Accountancy/Business Studies/Commerce shall be treated at par as academic/elective subjects.
- B Biology/Biotechnology and Business Studies will be treated as academic/elective subjects.
- C The subject 'Information Practices' will be equivalent to Computer Science for admission to B. Sc (Honours) Computer Science only.
- D Business Mathematics will be treated as equivalent to Mathematics for admission to B. Com. (Honours) only.
- E In case a candidate has studied both elective and core in any language, the core will be treated as language, while elective can be considered as academic/elective subject.
- E The University may define any other relevant subject(s) as an academic/elective for a particular course.

The last cut-off percentage of marks at which admissions closed at Acharya Narendra Dev College in 2017, for different courses are as follows*:

S. No.	Course	General (%)	OBC (%)	SC (%)	ST (%)	PwD (%)	Kashmiri Migrants (%)
1	B. Com (Honours)	88 (3E+1L)	78.25 (3E+1L)	60 (3E+1L)	55 (3E+1L)	55 (3E+1L)	78 (3E+1L)
2	B. Sc. (Honours) Mathematics	92.5 (M+2E+1L)	88.5 (M+2E+1L)	83.5 (M+2E+1L)	60 (M+2E+1L)	55 (M+2E+1L)	80 (M+2E+1L)
3	B. Sc. (Honours) Physics	93.66 (PCM)	89 (PCM)	80 (PCM)	70 (PCM)	56 (PCM)	83.66 (PCM)
4	B. Sc. (Honours) Chemistry	91 (PCM)	89.33 (PCM)	77.66 (PCM)	56 (PCM)	56 (PCM)	80 (PCM)
5	B. Sc. (Honours) Botany	86.66 (PCB/Bt)	80.33 (PCB/Bt)	67.66 (PCB/Bt)	66 (PCB/Bt)	55 (PCB/Bt)	77.33 (PCB/Bt)
6	B. Sc. (Honours) Zoology	87.33 (PCB/Bt)	82 (PCB/Bt)	79 (PCB/Bt)	71.66 (PCB/Bt)	56 (PCB/Bt)	77.33 (PCB/Bt)
7	B. Sc. (Honours) Biomedical Science	94 (PCB/Bt)	86.33 (PCB/Bt)	72 (PCB/Bt)	74 (PCB/Bt)	(55) (PCB/Bt)	80 (PCB/Bt)
8	B. Sc. (Honours) Computer Science	91.5 (M+2E+1L)	84 (M+2E+1L)	65 (M+2E+1L)	56 (M+2E+1L)	70 (M+2E+1L)	82 (M+2E+1L)
9	B. Sc. (Honours) Electronics	87 (PCM)	81 (PCM)	76 (PCM)	56 (PCM)	56 (PCM)	77 (PCM)
10.	B. Sc. Life Science	86 (PCB)	75 (PCB)	69.66 (PCB)	59 (PCB)	55 (PCB)	78 (PCB)
11.	B. Sc Physical Science with Electronics	85 (PCM)	84 (M+2E+1L)	63 (PCM)	53 (PCM)	46 (PCM)	70 (PCM)
12.	B. Sc. Physical Science with Computer Science	86 (PMC/Cs)	76 (PMC/Cs)	65 (PMC/Cs)	56.66 (PMC/Cs)	46 (PMC/Cs)	75 (PMC/Cs)
13.	B. Sc. Physical Science with Chemistry	85.33 (PCM)	77 (PCM)	65.33 (PCM)	50 (PCM)	45 (PCM)	70 (PCM)

*The percentages are indicative of trends and change from year to year.

- ❑ M+3E + 1L indicate Mathematics, three electives and one Language (English).
- ❑ PCM indicates the aggregate percentage of Physics, Chemistry and Mathematics.
- ❑ PMC/CS indicates the aggregate percentage of Physics, Mathematics and Chemistry/Computer Science.
- ❑ PCB/Bt indicates the aggregate percentage of Physics, Chemistry and Biology/Biotechnology.
- ❑ For details of courses, applicants are advised to check the University of Delhi website (<http://du.ac.in>) or the College website (<http://andcollege.du.ac.in>).

Fee Structure

Course wise fee to be paid at time of admission in cash (INR) for the Academic Year 2018-19 is as follows:

UNDERGRADUATE COURSES	Admission Fees [#] (INR)		
	General/OBC	SC/ST	PwD
B. Sc. (Honours) Biomedical Sci-ence	18,810	18,810	2,505
B. Sc. (Honours) Botany	7,810	7,810	2,505
B. Sc. (Honours) Chemistry	7,810	7,810	2,505
B. Sc. (Honours) Mathematics	7,810	7,810	2,505
B. Sc. (Honours) Physics	7,810	7,810	2,505
B. Sc. (Honours) Zoology	7,810	7,810	2,505
B. Sc. (Honours) Commerce	7,810	7,810	2,505
B. Sc. (Honours) Computer Science	22,810	22,810	2,505
B. Sc. (Honours) Electronics	7,810	7,810	2,505
B. Sc. Life Science	7,810	7,810	2,505
B. Sc. Physical Science			
with Electronics	7,810	7,810	2,505
with Computer Science	7,810	7,810	2,505
with Chemistry	7,810	7,810	2,505
POSTGRADUATE COURSES			
M. Sc. Chemistry	7,696	7,696	1,505
M. Sc. Mathematics	7,696	7,696	1,505

[#]This fee includes Caution Money and Library Security of INR 1,000 each (refundable) and SAKSHAM Fee of INR 100 (non-refundable).

The fees mentioned above are subject to change as per University guidelines. Examination fees (at the rate decided by the University) are to be paid along with the Admission Fee at the time of admission. The amount will be displayed on the College website.

- For refund of Caution Money and Library Security the student is required to submit clearance within one year of leaving the College. If no claim is made within this period, this money shall be deemed to have been donated to the SAKSHAM fund.
- The PwD students pursuing various courses of studies in the College are exempted from payment of fees (including examination fee and other University fees) except for admission fee, Students' Council fee and Identity Card fee. They also will have to pay a refundable caution money, library security and SAKSHAM fund fee (non-refundable).

Foreign Students Registration: Annual Fee of USD100 (INR equivalent fixed by University) extra is chargeable from Foreign Students in addition to the above fees for all courses except B. Sc. (Honours) Computer Science. For B. Sc. (Honours) Computer Science the annual fee payable by Foreign students (other than SAARC countries national) is USD3000 (INR equivalent fixed by University).

Cancellation and Withdrawal of Admission

Rules for Refund of Fee on account of withdrawal/cancellation of admission, migration etc*

S. No.	Reasons for seeking refund	Quantum of fee to be refunded
1	When a student applies for withdrawal of admission upto 31st July.	Full fee after deduction of INR 500/- and full examination fee.
2	When a student applies for withdrawal of admission on or after 1st August till three working days before the last date of admission (including the last day of admission).	Full fee after deduction of INR 1,000/- and full examination fee.
3	When admission is made inadvertently due to error/omission/commission on the part of the University/College.	Full fee and full examination fee.
4	When cancellation of admission is due to concealment/falsification of facts, submission of false/fake certificate(s), providing misleading information by the student or for any error/mistake on the part of the student	No fee will be refunded.
5	In case of migration of a student in 3rd semester from one college to another college (if permissible under the University rules), up to 31st August of the year of migration.	Full fee after deduction of 20% of the total fee and full examination fee.
6	When a student of a Self Financing course applies for withdrawal of admission on or before the last day of admission.	Full fee after deduction of INR 1000/- and full examination fee.

	Reasons for seeking refund	*Quantum of fee to be refunded
7.	If a student provisionally admitted to a course on declaration of the result of his qualifying examination/compartamental examination becomes ineligible for admission and his/her admission is cancelled.	Full fee after deduction of Rs. 1000/- provided that he/she applies for refund in the same Financial Year.
8.	In case a student after his/her admission expires within one month of the last date of admission.	Full fee including examination fee will be refunded to his/her parents.
9.	When a student has been allowed to change the course of study in the same college or within the departments of the University.	After adjustment of fees already paid the student will be required to pay the remaining amount due as prescribed for the new course. In case the student paid in the previous course more than the amount due for the second course, the excess amount will be refunded/adjusted towards further month(s) fees.

**These rules/dates are subject to change as per any new University guidelines.*

Migration

The College reserves the right not to entertain any request for migration of its students to other colleges after the declaration of their first year results.

However, request for migration to the College shall be considered on the basis of merit of the individual case as per University guidelines.

Help Desks

The College has set up the following special desks for help and clarifications about admission.

- Special Categories Help Desk – for verification of the caste certificates
- Desk to help PwD students
- General Help Desk and Desk to address grievances

Conveners of Admission committee:

Dr. Sharanjit Kaur, Ms. Sunita Jetly and Dr. Anju Agrawal

Note: A wheel chair is available on request at the gate of the college for use of any PwD student who comes for admission. A volunteer is also available for their help.

GENERAL RULES @ ANDC

Abbreviated extracts from the University of Delhi Ordinances are mentioned below. For details of the Ordinances XV - B, XV

- C and XV - D of the University of Delhi, the candidate is advised to consult the University of Delhi website (<http://www.du.ac.in>) or the University of Delhi calendar.

Acts of Gross Indiscipline

Ordinances XV – B: Maintenance of discipline

Students of the College are expected to behave responsibly both inside and outside the College. Ragging in any form anywhere is strictly prohibited and is punishable under Ordinance XV - B and XV - C of the University, besides an FIR being lodged against them. Disciplinary action would be taken against:

- Any practice — whether verbal or otherwise derogatory to women;
- Causing disruption in any manner in the academic functioning of the University system;
- Willful destruction of institutional property;
- Creating ill-will or intolerance on religious or communal grounds;
- Violation of status, dignity and honour of students belonging to scheduled castes and tribes, other backward classes or any community;
- Any attempt at bribing or corruption in any manner;
- Physical assault or threat to use physical force against any member of the College fraternity;
- Carrying of, use of or threat to use of any weapon;

- Any violation of the provisions of the Civil Rights Protection Act, 1976.
- Any violation of Ordinance XV- D against Sexual Harassment.
- Any violation of Ordinance XV-C against Ragging.

Besides, strict action will be invited for acts such as:

- Boisterous behaviour in the College premises;
- Smoking and consumption of alcohol in the College premises or being found in an inebriated state;
- Use of mobile phones in classrooms, laboratories, library and any other restricted area.

Prohibition of and Punishment for Ragging

We believe that academic institutions are places of enlightenment and enjoyment. While we appreciate interaction among students, the College is absolutely intolerant towards ragging. Any incident that is reported is severely dealt with by the Proctorial Committee of the College in accordance with the rules of the University of Delhi mentioned in Ordinance XV-C.

Ordinance XV-C (Abridged)

Ragging in any form is strictly prohibited within the premises of the College, at any place in Delhi University system as well as on public transport. Ragging involves acts by which dominant power or status of senior students is brought to bear on students freshly enrolled or on students considered junior or inferior by other students and includes individual/collective acts or practices which: (a) involve physical assault or threat or use of physical force, (b) violate the status, dignity and honour of students, (c) violate the status, dignity and honour of students belonging to the SC & ST, (d) expose students to ridicule and contempt and affect their self-esteem and (e) entail verbal abuse and aggression, indecent gestures and obscene behavior. The Principal shall take immediate action on any information regarding the occurrence of ragging. The punishment ranges from rustication, expulsion, cancellation of examination to withdrawal of degree awarded.

IDENTITY CARD

Identity card detailing name, address and phone number is issued to each student immediately after admission. It is mandatory to carry the identity card to the College every day since entry to the College as well as the library is based on it. Failure to produce the identity card is liable to attract disciplinary action. Loss of identity card has to be reported to the College along with a copy of FIR (First Information Report) lodged with the police. Identity card remains the College property and has to be produced/ submitted on demand by any of the College staff or the security staff. A duplicate identity card shall then be issued on payment of INR 150/- on first instance and INR 500/- on subsequent instances, which includes Identity Card fee and fine.

Responsible Use of Mobile Phone and Rules

Students are advised to use their mobile phones responsibly. Mobile phones should be kept on the silent mode within College premises. Use of cell phone is strictly prohibited inside the classroom, laboratory, library, Administrative and Accounts Block and near the Principal's office. Listening to

music or playing songs on loud speaker-mode of cell phones is strictly banned within the College premises.

Defaulters are liable for punishment which may be a fine up-to-the cost of the cell phone and/or reformatory task and/or confiscation of cell phone. Repeated offence will be treated as an act of gross indiscipline.

Notice Boards & College Website

Notice boards of the College as well as the College website (<http://andcollege.du.ac.in>) display important information regarding schedule of classes, examinations, attendance, holidays, activities, fellowships, scholarships, etc. It is imperative that students peruse the Notice Boards and College website regularly to keep themselves updated about various events in the College. Ignorance of any notice will not be accepted as a plea or excuse for noncompliance or delay in any matter.

Contact Information

Any change in residential (Permanent/Local) address or/and phone number should be informed to the office immediately, in

writing, duly signed by the parent/guardian. The College will not be responsible in case of non-intimation due to papers reaching the wrong address/non-availability in the college of the right phone number.

Internal Assessment

All the theory papers of Core Courses, Elective Courses, Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC) shall be of 100 marks. Out of the 100 marks, 75 marks shall be for theory examinations which will be evaluated in a centralized manner by the University and 25 marks shall be for internal assessment, evaluation for which will be done in the college.

The 25 marks of the internal assessment shall be divided as follows:

Attendance	5 marks
Written assignments/ presentations	10 marks
Class Test / Quiz	10 marks

Attendance

There shall be 5% weightage (5 marks for each paper carrying 100 marks) for regularity in attending lectures and tutorials. Based on attendance, the marks for regularity in each paper shall be awarded as follows:

More than 67% but less than 70%	1 mark
70% or more but less than 75%	2 marks
75% or more but less than 80%	3 marks
80% or more but less than 85%	4 marks
85% and above	5 marks

All students have to attend 2/3rd of the classes held in each Semester. The students may check their attendance periodically. In each Semester students who do not meet the required 2/3rd attendance will be denied Admission ticket for the ensuing examinations.

Disclaimer

The College disclaims any liability towards any individual for any damage caused to her/him on the basis of information provided in this bulletin. The college reserves the right to suitably modify, update or delete any part of the bulletin without any prior information.







Government of India
Ministry of Human Resource Development



India Rankings 2018

(National Institutional Ranking Framework)

Acharya Narendra Dev College, New Delhi

ranked 27 in College Category


CHAIRMAN, NBA


MEMBER SECRETARY, NBA



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Acharya Narendra Dev College
Socindpuri, Kalkaji, affiliated to University of Delhi, Delhi as
Accredited
with **CSPA** of 3.31 on four point scale
at **A** grade
valid up to March 28, 2021*

Date : March 29, 2016




Director



BC/PC/14/ANA/31

₹ 150/-



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