

PROSPECTUS 2010-11

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ACADEMIC CALENDAR 2010-2011

Semester I: 21st July, 2010 to 04th December, 2010

(16 Weeks)

Classes

(03 Weeks)

Examination Process

1.	21st July, 2010 (Wednesday)	Classes Begin
2.	04th October, 2010 (Monday) to 14th October, 2010 (Thursday)	Mid-Semester Break
3.	19th November, 2010 (Friday)	Dispersal of Classes
4.	20th November, 2010 (Saturday) to 10th December, 2010 (Friday)	Preparation Leave and Conduct of Exams*
5.	11th December, 2010 (Saturday) to 10th January, 2011 (Monday)	Semester -I result to be declared
6.	11th December, 2010 (Saturday) to 02nd January, 2011 (Sunday)	Winter Break

Semester II: 03rd January, 2011 to 20th May, 2011

(16 Weeks)

Classes

(03 Weeks)

Examination Process

1.	03rd January, 2011 (Monday)	Classes Begin
2.	Mid semester Break (05 Days)	
3.	Classes Begin after Mid Semester Break	
4.	16th April, 2011 (Saturday)	Dispersal of Classes
5.	17th April, 2011 (Sunday) to 20th May, 2011 (Friday)	Preparation Leave and Conduct of Exams*
6.	21st May, 2011 (Saturday) to 20th June, 2011 (Monday)	Semester -II result to be declared
7.	21st May, 2011 (Saturday) to 20th July, 2011	Summer Vacations

* Students of IInd year and IIIrd year and other courses continuing in the annual mode shall have their House Examination during this period.

SCHEDULE OF ANNUAL EVENTS 2010-2011

S. No.	Event	Dates
1.	Orientation Day	19th – 20th July, 2010
2.	Departmental Freshers' Days	6th – 7th August, 2010
3.	Inauguration of Departmental Societies	2nd week of August 2010
4.	Students' Council Election	Same day as DUSU elections
5.	Book Exhibition	1st week of September 2010
6.	Society Functions	Last week of October 2010
7.	Acharya Narendra Dev Memorial Lecture	29th October, 2010
8.	Sports Tournament	1st week of November 2010
9.	Annual Cultural Festival (ACCENTURE)	27th – 28th January, 2011
10.	Departmental Farewells	22nd – 23rd February, 2011
11.	Annual Day	1st week of March 2011



ACHARYA NARENDRA DEV COLLEGE

...BEYOND THE CLASSROOM

This byline says it all – what we stand for, what we believe in and what we practice!

The University of Delhi has over 60 undergraduate colleges spread out in all corners of Delhi. So what is it that makes our college special?

It is our belief that we are here to make a difference. We start with several disadvantages – our college is relatively very young, we are not physically situated in either of the campuses, we are in a school building, we get students who have relatively low cut offs – but it is these limitations that we turn into advantages! We treat these factors not as problems but as challenges.

A young faculty means dynamic enthusiasm, curiosity and a willingness to explore and learn. Off-campus location ensures we cater to a very large and different clientele – one that is also looking for quality education. Being located in a school building is tough – no denying that, but with creative and innovative utilization of space and construction of appropriate structures we not only have amongst the best-in-the-University teaching laboratories but also dedicated space for research projects. And last but not the least – our admitting students with low cut offs helps us to demonstrate in a tangible manner that education in Acharya Narendra Dev College is in the hands of a hardworking dedicated faculty that helps produce quality students able to compete with the best in the University and beyond!

Name a college that has a Government of NCT of Delhi's 'Young Scientist Awardee', a member of the 'Youth Delegation to the Climate Conference at Copenhagen', four students who were part of the OSDD – Open Source Drug Design' project of CSIR – and won a laptop each and three faculty members with 'distinguished teacher' awards to boot! There are several other achievements that are not so stark, but are equally significant. Several students who do research projects get to present papers in conferences and publish them just like their mentor faculty; others have gained confidence because of the Theatre workshops; many who think its their duty to serve – NSS is their forte, and yet others who think their place is in the cricket field.

So what is Acharya Narendra Dev College all about? Its about the 'earn while you learn' scheme, its about FOSS, OER and the culture of *free as in freedom*, its about research, its about econtent development, its about the infectious work culture, its about Bamboo canteens, its about the cluster labs, its about websites developed and maintained by students, its about the collective strength, its about a sharing and learning mileu, its about democratic functioning and last but not the least its about students who are cared for.

If these are the things that you are looking for, then we are waiting for you!

Welcome to our family,

Dr. Savithri Singh

Principal

1. THE COLLEGE

Acharya Narendra Dev College (ANDC) is unusual amongst other constituent colleges of University of Delhi in being primarily a science college with all basic science courses and with commerce as the only other stream. This breadth in science provides students with unparalleled freedom to cross disciplinary boundaries and discover intellectual niches. Creative thinking, problem-solving and research are central to the academic programs at ANDC and learning takes place in an environment of proactive collaboration. At ANDC, the undergraduate program is taught with a design to achieve balance between depth of knowledge acquired through specialization and that gained through exploration.

Acharya Narendra Dev College provides a gateway to intellectual, cultural and leadership opportunities for all freshers and sophomores to develop long-term mentoring relationships with faculty. This methodology also helps students enhance their fundamental skills of quantitative thinking, problem solving, analyzing and develop an out-of-the-box approach. Many students in the college choose to complement their academic course of study with practical work experience by actively taking up one or more add-on courses and working on projects in advanced areas before they graduate.

A seamless transit between teaching and research in the college helps students be in-sync with the latest developments in frontier areas of study. Faculty, in their role as academic advisors, help students not only negotiate various academic opportunities but also intellectually mentor them to take advantage of myriad fellowship opportunities.

The college's commitment to diversity is stronger than ever before and is reflected in the wide range of offices, services, policies and programs. Situated in a prime location in South Delhi near the commercial hub of Nehru Place, and with Delhi Metro's Govind Puri station in the vicinity, the college is able to attract students and staff who bring a multiplicity of experiences, perspectives and interests.

The College fulfills its societal obligations by having a smoke-free campus and providing students with an environment conducive to academics, all round growth and devoid of any apprehension of ragging.

1.1 The Infrastructure

True to the spirit of the byline 'Beyond the Classroom...' the college has constantly been upgrading its library, laboratory facilities and other infrastructure.



1.1.1 Laboratories

Being primarily a ‘Science College’ we invest a lot in developing new laboratories and refurbishing the existing ones. Each department in the college has well equipped laboratories that are amongst the best at undergraduate level in University of Delhi. Integrated across, it has recently refurbished departmental laboratories and central instrumentation facilities that provide extensive and contemporary facilities for science teaching and research. Some of the state-of-art equipments that we have in the college laboratories include:

Gel Documentation System	DOT-BLOT System
UV-VIS Spectrophotometers	UV-Transilluminators
Millipore Water Filter	Flame Photometers
Hot SS Air sterilizer	Phase Contrast Microscope
Physiological Data Acquisition System (Biopack)	Deep Freezers (-20 °C)
Digital Multimeters	Digital Storage Oscilloscopes (DSO)
Wide range of Sensors & Transducers	Laminar Flows (Horizontal)
Lyophilizer	Spirometers
Orbital Shaking Incubators	Fluorescence Microscope
Amplitude Mod/Demod. Trainer with Spectrum Analyzer	Binocular Microscopes with Camera and Projection Systems
Western Blot Apparatus with power pack	ORCAD for circuit design and simulation
PCR and Gradient PCR	Michelson Interferometer
Elliptical Polarization Study Setup	Ice Flaking Machine
Digital Frequency Counter	LCR & Q Meter
Digital Nano - ammeter	Four Channel Digital Oscilloscopes
Arbitrary Function Generator	Data Acquisition based Digital Multimeter
Digital Trainers	XILINX ISE 9.1i
Xilinx System Generator	8086 Microprocessor Kit
Microcontroller Trainer Kit	Universal Programmer
Spartan II based VLSI Trainer	Spartan 3E based Starter Kit
Virtex II based DSP KIT	Computer based HALL Effect Setup
Refrigerated Centrifuges	Analog Computer
Fiber Optic Communication Kit	PCB Drafting & Fabrication Setup
Photometer	Modular Laser Diodes
Laser Diodes	He-Ne Laser
Fiber Optic Trainer	Laser Trainer Kit

1.1.2 Library

Housed in a spacious hall the College library has more than 20,000 books apart from numerous journals and periodicals. Fully computerized with bar-coded books, the library uses advanced LibSys software to allow students

information on book availability and content through Online Public Access Catalogue (OPAC). The Library is also connected to the University Library System through RF network that allows students access to online journals and books subscribed by the University. Photocopying facility is available to the students.

That even in the age of multimedia, cyber-resources and IT, books have a special place is evident from the overwhelming response of faculty and students to the annual book exhibition in the college. This exhibition provides a unique opportunity to the college community to buy and recommend books to the college library from a variety of publishers including Prentice-Hall India, Oxford University Press, Narosa Books, S. Chand, Unilib, Asian Book Centre, Aditya Books, Pearsons, Ane Books etc.

1.1.3 Web Facilitation Centre and Website

The Web Facilitation Center (WFC) is spread over two rooms that houses 50 computers of the latest configuration and provides free internet access to students. The WFC is also connected to the University Library System through the University-wide network. It is not only used for imparting soft skills as part of curriculum but also for conducting advanced workshops on FOSS, Linux, OER, Wikieducator and Easy Now.

The college has its own website <http://andcollege.du.ac.in> created on an open source web development software 'Drupal', designed and maintained by the students.

1.1.4 Video Conferencing Facility and Conference Centre

Acharya Narendra Dev College is one of the five colleges, selected for setting up of the Video-Conferencing facility by the University. A conference center was hence created with a seating capacity of 125. It has a giant screen of dimension 8 x 10 feet, a permanent fixed LCD monitor, computers with internet access and a good public address system. The center throbs with activities of various departments and societies of the college. It's a convenient venue for the various workshops the college has been organizing from time to time.

1.1.5 Sports

Sports are essential not only to promote health, fitness and to identify young talent, but also a means to relax and recharge after slogging hard inside laboratories and racking brains in the classroom. The College has a rich collection of sports goods and fitness equipments including facilities for cricket, football, basketball, volleyball, badminton, table tennis and chess. The sports committee holds rigorous selection trials to select the teams for different intra and inter-college tournaments. The sports room with proximity to the main playground has facilities for indoor sports like table tennis, chess etc. It is the hub of all sports enthusiasts of the college.

1.1.6 Canteen

With support from the University and in association with National Mission for Bamboo Applications, the college has recently constructed a new canteen block housing a kitchen, a student hall and a staff block. In keeping with eco-friendly structure, the furniture in the staff block is also made of bamboo.

Along with the canteen, there is also a HPMC stall that sells health foods and beverages including juices, soups and concentrates and a general kiosk which caters to the general needs of students including stationery products, and popular eatables like ice creams, momos etc.

1.1.7 Girls Common Room

The College has a comfortable room, christened as Girls Common Room (GCR), for exclusive use by female students wherein they are able to relax, study and have informal discussions. Daily newspapers, magazines and periodicals are available for leisure reading. Also keeping in mind the needs of faculty members the college is actively pursuing setting up of a day-care centre.

1.2 SCHOLARSHIPS, FELLOWSHIPS AND STIPENDS

Students should read the notice boards regularly to keep track and apply at the appropriate times.

Details of the scholarships and stipends available are as follows:

Name (Number) of the fellowship	Category (no. of fellowship)	Amount (Rs.)	Students benefitted	Eligibility/selection criterion
Fellowships/Scholarships offered by the College				
D.C. Arora Fellowship (4)	Meritorious (2)	5,000/-	All ANDC students	Marks secured in annual examinations of Ist and IInd years.
	Needy (2)	5,000/-	All ANDC students	Atleast 60% in annual examination with 75% attendance in the academic year. Proof of family income.
Teena Gupta Memorial Scholarship (6)	Needy (3)	5,000/-	B.Sc. (H) Electronics	60 % marks in previous examination, cleared in first attempt, 75% attendance, family income not more than Rs. 6000/- per month.
	Needy (3)	5,000/-	B.Sc. with Computer Science	
Subject Aptitude Test (SAT) (12)	Biology, Physics, Chemistry, Mathematics (3 in each)	1,000/- 750/- 500/-	Ist year students	Students scoring 60% marks and above will be awarded meritorious certificate.
AND College Academic Award (in each course)	Delhi University Positions	5,000/- 3,000/- 1,500/-	All ANDC students	Ist, IInd and IIIrd position, respectively, in University of Delhi and in Annual Examinations.
	South Campus Positions	1,000/- 750/- 500/-	All ANDC students	Ist, IInd and IIIrd position, respectively, in South Campus, University of Delhi and in Annual Examinations.
	Class Toppers	500/-	All ANDC students	Ist position with atleast 75% marks in Class in Annual Examinations.
SAF Stipend	Needy students			Based on need and family income.
Earn while you Learn	Needy students			Based on need and willingness to work.
Fellowships/Scholarships offered by University of Delhi				
Rector's Prize , Science Meritorious Award, All India Entrance Scholarships				Criteria notified by University every year.
Meritorious award, Directorate of Higher Education scholarship for the girl child (5 % for single girl child)				Criteria notified by the Government every year.
Fellowships/Scholarships offered by Government of NCT of Delhi				
Kishore Vaigyanik Protsahan Yojana (KVPY) fellowship	Offered by DST, GOI	4,000/- per month 8,000/- contingent grant		Criteria notified by DST every year.
National Graduate Physics Examination (NGPE)	IAPT	5,000/-, Gold medal		Top one percent allowed direct interview for Integrated Ph. D. at Saha Institute of Nuclear Physics, HBCSE, TIFR. Top 5 per cent in each state get a certificate and opportunity to attend workshops of 15 days each twice a year for two years.

Besides, students can apply for various other scholarships like the NIUS, JNCASR and IISc summer training fellowships.

Fellowships/Scholarships offered by State Governments to SC/ST students

Candidates belonging to SC/ST are awarded scholarships by the States to which they belong. Applications should be submitted to the college office by the end of the first term. The continuance of any free-ship, scholarship etc. depends on satisfactory academic progress, attendance, discipline and good conduct.

1.3 PLACEMENT CELL

A professional entity establishing linkages with prospective employers, placement cells of other colleges and that of the University of Delhi, the Placement cell of the college registers final year students. The programmes arranged are attended by all interested students, including many from second year. Career counseling seminars, personality development camps, mock group discussions and campus recruitment drives are among many activities organised by the cell. Companies like Wipro WASE, Wipro Technologies, ATS Securities, Wipro BPO, Teach for India, HDFC Standard Life Insurance, Ernst & Young, Tech Mahindra, NDPL, Genpact, Xchanging Insurance Services, Capital IQ, HCL-BPO, MIE Pvt. Ltd., Advent Medical Technologies and Indigo Airlines come regularly to the campus for placement. Last year the cell was able to place 50 students.

1.4 RESEARCH IN COLLEGE

The young faculty believes in pursuing research along with their teaching for which they get full support from the college administration. This culture of research helps keep the faculty alive to the latest developments in their respective fields as well as provides academic satisfaction due to the resultant research publications.

S. No.	Principal and Co-Investigators	Title of the Project	Funding Agency	Rs. in Lakhs
1.	Dr. Urmi Bajpai	Cloning and expression of Mycobacterium tuberculosis genes 3 years w.e.f May, 2010	Council of Scientific and Industrial Research (CSIR)	20.0
2.	Dr. Vikrant Kumar	Metal Complexes as anticancer agents: Synthesis, characterization and their tumorigenesis evaluation 3 years w.e.f April, 2010	Department of Biotechnology (DBT)	9.50
3.	Dr. Sarita Kumar	Larvicidal properties of certain botanicals against mosquito larvae – Alternative for mosquito control 3 years w.e.f May, 2009	University Grants Commission (UGC)	10.96
4.	Dr. Amit Garg Mr. Vishal Dhingra and Dr. Savithri Singh	Investigating science hands-on to promote innovation & research at undergraduate level 3 years w.e.f February, 2009	University Grants Commission (UGC)	10.54
5.	Dr. Vandana Uberoi Dr. Sunita Hooda and Dr. Geetu Gambhir	Fabrication of new polymer sensors for Environmental protection 3 years w.e.f April 2008	University Grants Commission (UGC)	7.57
6.	Dr. Ram Kumar	Evaluation of the potential of cyclopoid copepod as an effective bio-control agent for the control of disease vectors 3 years w.e.f February, 2008	Indian Council of Medical Research (ICMR)	16.00

Besides these research projects in the college two faculty members – Dr Arijit Chowdhuri and Dr. Shalu Sachdeva – are Co-investigators in projects in their parent Departments.



Completed Projects

S. No.	Principal Investigator	Title of the Project	Funding Agency	Rs. in Lakhs
1.	Dr. Sunita Hooda	1. Characterization and sequence determination of 4-Vinyl Pyridine Copolymers (1998 – 2001) 2. Synthesis and characterization of 2-Hydroxy ethyl methacrylate copolymers by NMR spectroscopy (2004 – 2007)	University Grants Commission Department of Science and Technology	01.09 09.12
2.	Dr. Charu Khosla Gupta	Fertilization in Podostemaceae : an unresolved problem (2003 – 2006)	Department of Science and Technology	10.00
3.	Dr. Saumya Saxena	Ecophysiology and socioeconomic studies in two selected medicinally important herbs from the NCT region (2004 – 2007)	Department of Science and Technology	16.00
4.	Dr. Urmi Bajpai	A Virtual Centre of Excellence for Coordinated Research on "Tuberculosis: Development of alternate strategies (2006 – 2008)	Department of Biotechnology	26.00
5.	Dr. Monisha Khanna	Isolation and characterization of actinomycetes and analysis of their antibacterial potential (2006 – 2009)	Ministry of Environment and Forests	09.92



2. ADMISSIONS 2010

2.1 COURSES OFFERED

Course	Number of Seats	Gen	SC	ST	OBC	PH
B. Sc. (Honours) Biomedical Sciences *	46	23	07	03	12	01
B. Sc. (Honours) Botany	41	20	06	03	11	01
B. Sc. (Honours) Chemistry	31	16	05	02	08	01
B. Sc. (Honours) Computer Science *	46	23	07	03	12	01
B. Sc. (Honours) Electronics	31	16	05	02	08	01
B. Sc. (Honours) Physics	31	16	05	02	08	01
B. Sc. (Honours) Zoology	41	20	06	03	11	01
B. Sc. Life Sciences	32	21	06	03	11	01
B. Sc. Physical Sciences	123	63	19	09	33	03
B. Sc. (Honours) Mathematics#	31	16	05	02	08	01
B. Com (Honours)#	62	31	09	05	17	01
Postgraduate Course						
M. Sc. (Chemistry)	31	16	05	02	08	01
M. Sc. (Mathematics)	31	16	05	02	08	01
Post Graduate Diploma in Computer Applications (PGDCA) *	31	16	05	02	08	01
Foreign Languages*						
(a) Certificate Courses						
French	62	31	09	05	17	01
German	62	31	09	05	17	01
Spanish	62	31	09	05	17	01
(b) Diploma Courses						
French	31	16	05	02	08	01
German	31	16	05	02	08	01
Spanish	31	16	05	02	08	01

Note: * These courses are self-financed.

Annual Mode (All other courses are in the Semester Mode).

- Admission to PGDCA is done through Common entrance examination coordinated by the Department of Computer Science, University of Delhi.
- Admission to M.Sc. course is done through a centralized admission slip issued by the University of Delhi.
- The Information brochure and the application forms for the Foreign Language Courses will be available from in the college 12th June, 2010.

For further details please check the college website: <http://andcollege.du.ac.in>



2.2 PROCEDURE FOR APPLICATION

- ◆ Candidates must fill up the **Common pre-admission form**, available at any of the distribution and collection centers notified by the University of Delhi.
- ◆ For applying in our college they should opt for Acharya Narendra Dev College in the 'option of colleges'.
- ◆ Pre-admission form for **Acharya Narendra Dev College** can be obtained from the college and students can opt for more than one course per form.

Please note: Since B.Sc. (H) Biomedical Science is not shown in the Common Admission Form, applicants may directly fill the college pre-admission form. All students who have applied in the Common Admission Form for any course requiring PCB/Bt will be considered for Biomedical Sciences.

The students are required to preserve the acknowledgement slip(s) of the pre-admission forms and produce it at the time of admission.

2.3 PROCEDURE FOR ADMISSION

Candidates selected for admission based on cut-offs or entrance tests will be required to fill and submit the Admission Form (attached with the prospectus) along with original certificates and a self attested copy of each of the following:

1. Original Certificate of last qualifying examination (Class XII) issued by the Board or the University and Provisional School/College leaving Certificate in case original has not been issued.
2. Mark sheet of the last qualifying examination passed.
3. Class X Certificate for verification of date of birth.
4. Character Certificate of School/College last attended.
5. Documentary evidence of having studied Hindi till class VIII, if the student has not studied Hindi in class X.
6. Two recent passport size photographs.
7. Caste Certificate (for students belonging to SC/ ST/OBC) **in his/her own name.**

Candidates who are unable to produce any of the above mentioned certificates either because their university/ board has not issued the same till the last date of admission or because of any other reason may be given **provisional admission**. If they are unable to submit the requisite documents by **9th August 2010**, their admission shall stand cancelled.

In case the student is already enrolled in Delhi University, the University Enrollment number should be mentioned in the admission form.

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

2.4 ELIGIBILITY CRITERIA

There is no minimum age bar for Admission to Under-Graduate courses and Post-Graduate courses in the University and its Colleges as provided under Ordinance 1(2).

Selection in various 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 for admission to the respective courses are:

A. General Category

B. Sc. (Honours) Biomedical Sciences, Botany and Zoology

- An aggregate of at least 55% marks in Physics, Chemistry and Biology/Biotechnology (PCB/Bt).
- At least 40% marks in English (compulsory subject).
- % Marks in Biology (will be declared by each Department separately).

B. Sc. (Honours) Chemistry, Electronics and Physics

- An aggregate of at least 55% marks in Physics, Chemistry and Mathematics (PCM).
- At least 40% marks in English (compulsory subject).
- % Marks in Physics (for B.Sc.(Honours) Physics and Electronics).
- % Marks in Chemistry (for B.Sc. (Honours) Chemistry).

B. Sc. (Honours) Computer Science

- An aggregate of at least 55% marks in four subjects including Mathematics, one language (English) and two Electives from Physics, Chemistry, Computer Science, Business Studies, Accounts and Economics.
- At least 60% marks in Mathematics.
- Students who have studied Physics and Chemistry will be given an additional 5 % weightage.

B. Sc. Life Sciences

- An aggregate of at least 50% marks in Physics, Chemistry and Biology/ Biotechnology (PC + B/ Bt).
- At least 40% marks in English (compulsory subject).

B. Sc. Physical Sciences

- An aggregate of at least 45% marks in Physics, Chemistry/Computer Science and Mathematics (PCM).
- At least 40% marks in English (compulsory subject).

Within B.Sc Physical Science students can choose from the following three combinations:

- Physics, Maths, Electronics (PME),
- Physics, Maths, Chemistry (PMC) and
- Physics, Maths, Computer Science (PMCs).

The college reserves the right to declare different cut-off marks for each combination and also declare a minimum % requirement in Mathematics for PMCs and minimum % of Physics for PME.

B. Sc. (Honours) Mathematics

- At least 45% marks in the aggregate of Physics, Chemistry, Mathematics and one Language (PCML) or Physics, Chemistry and Mathematics (PCM).
- At least 50% marks in Mathematics (compulsory subject).
- % requirement in Mathematics.

B. Com. (Honours)

- An aggregate of at least 45% marks in one Language (English) and three Electives (1L+3E).
- **5% is reduced from the aggregate obtained by students of Science and Humanities streams.**

- The students should opt have for Mathematics at plus two level (compulsory).
1L+3E indicate the aggregate of one Language and three Electives from among Mathematics, Accounts, Business-Studies, Economics and Computer-Science and Applications.

B. Reserved Category

The University will register candidates of the following three categories centrally and the College shall admit only those candidates who produce Provisional Admission Slips issued by the University by the specified date of the University.

(i) Scheduled Caste / Tribe Candidates

As per University rules 22 ½ % of the total number of seats are reserved for the candidate belonging to Scheduled Castes/ Tribes (15 % for Scheduled Castes and 7 ½ % for Scheduled Tribes – interchangeable, if necessary).

Note: Students belonging to schedule castes/tribes who are bonafide residents of the Union Territories including National Capital Territory of Delhi are exempt from payment of University examination fees.

(ii) Children /Widows/Wives of Armed Forces Personnel

As per University rules 5 % of the total number of seats in each of the courses have been reserved for the children/widows/wives of the Armed Forces Personnel, killed or disabled in action/wars. The candidate wishing to avail this benefit must submit a certificate to that effect.

(iii) Visually and Physically Challenged

3% of the total seats are reserved for Physically Challenged candidates.

C. Other Backward Classes

The policy reservation for the OBC's under the Central Education Institution Act has been implemented from the academic session 2008-09. Twenty seven % seats in each course will be reserved for the OBC (non-creamy layer) as per the decision of the Delhi University. The creamy layer is identified by the **Gross Annual Income of Rs. 4.5 lakhs**. For further details please see:

<http://ncbc.nic.in/backward-classes/index.html>, <http://ncbc.nic.in/html/creamyayer.html>

- OBC students have to apply along with general category students in the same pre-admission forms, but mark clearly that they belong to OBC.
- Students have to produce an original OBC certificate in their own name which states that they are not from the creamy layer (socially advantaged persons).
- A maximum reduction of 10 % marks below cut off is permissible for OBC students.

D. Foreign Students

Foreign students seeking admission to various courses are required to apply to the Foreign Students Advisor, Foreign Students Registry, Faculty of Management Study, University of Delhi, Delhi-110007. No Foreign Student will be admitted to the college without prior approval of Foreign Students Advisor, University of Delhi.

Foreign nationals having qualifying degree from foreign Universities are exempted from the entrance test requirements.

E. Wards of Kashmiri Migrants

The wards of Kashmiri Migrants will be registered centrally by the University for admission to various undergraduate courses under Faculties of Commerce & Business and Faculty of Science except for the courses where

admissions are made on the basis of Entrance Tests. The allotment of seats to the course/college will be made on the basis of merit by the University.

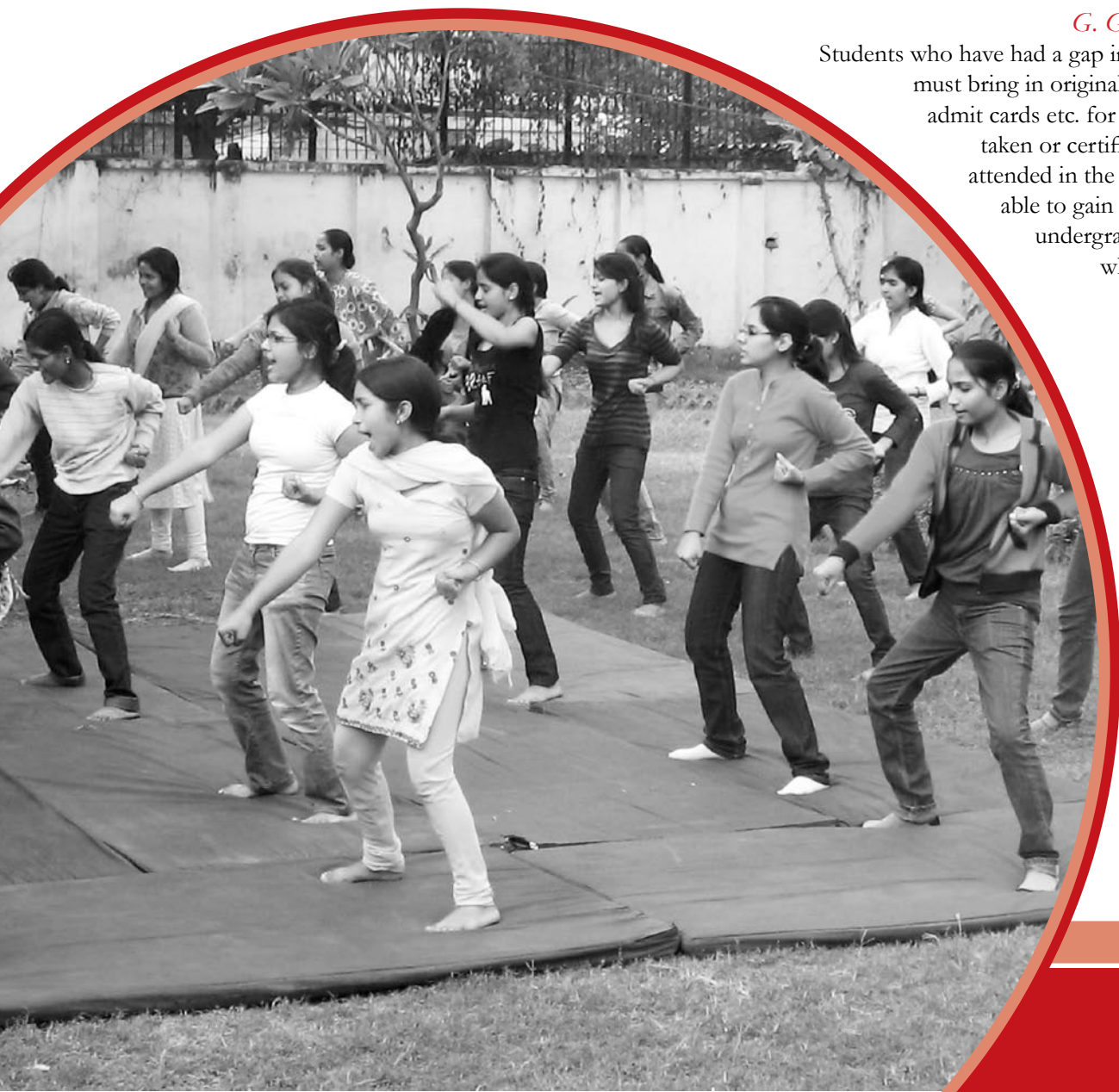
F. Admission on the Basis of Sports and Co-Curricular Distinctions

1. As per University rules, 5% of the total number of seats, each in Honours and Pass Courses, will be offered for admission on the basis of sports and co-curricular distinctions. (This is only for admission to the 1st year of any course).
2. Delhi University this year has centralized the trial procedure for candidates seeking admission under sports quota. Trials will be organized centrally in the University by DU Sports council. The schedule of trials will be put up on the college and University websites and Notice Boards
3. The candidates who have participated in International/National level will be given direct admission.

Candidates seeking admission on the basis of sports and extra-curricular activities (ECA) are required to apply through the pre-admission application form of the college by **11th June, 2010**, giving details of the activities at the school level on a plain paper along with photocopies of relevant certificates and testimonials. These may be submitted to the PA to Principal. The college will consider only those applicants who play games, as given in section 1.1.5. The list of the candidates short-listed for trials along with the dates will be displayed on the college notice board when received from the University. It will also be put on the college website: <http://andcollege.du.ac.in>.

G. Gap Year Students

Students who have had a gap in their education must bring in original admission slips, admit cards etc. for any examination taken or certificates of courses attended in the gap period to be able to gain admission to the undergraduate course for which they qualify.



2.5. BASIS OF SELECTION

Selection would be on the basis of marks secured in the Senior Secondary School Examination of the CBSE or an equivalent Board. The college will declare cut offs on the dates mentioned in the schedule.

The **last cut-off percentage of marks declared in 2009** for admission to different courses was as follows*:

Subject	GENERAL		OBC	
		Qualifying		Qualifying
B.Com. (Hons.) 3E + 1L	82% (3E + 1L) for Commerce Stream 87% (3E + 1L) for Science and Humanities Stream	70% in Mathematics	72% for Commerce Stream 77% for Science and Humanities Stream	65% in mathematics
B.Sc. (Hons.) Mathematics	70% PCM/PCML	75% in Mathematics	62% PCM/PCML	72% in Mathematics
B.Sc. (Hons.) Botany	58% PCB/Bt	60% in Biology/ Biotechnology	50% PCB/Bt	58% in Biology/ Biotechnology
B.Sc. (Hons.) Chemistry	69% PCM	65% in Chemistry	59% PCM	64% in Chemistry
B.Sc. (Hons.) Computer Science (M+2E+L)	76% PCM/Cs 81% (M+2E+L) for other Science courses, Commerce and Humanities stream	75% in Mathematics	66% PMC/Cs 71% (M+2E+L) for other Science Course, Commerce and Humanities stream	68% in Mathematics
B.Sc. (Hons.) Electronics	72% PCM	70% in Physics	62% PCM	65% in Physics
B.Sc. (Hons.) Physics	69% PCM	70% in Physics	58% PCM	70% in Physics
B.Sc. (Hons.) Zoology	65% PCB/PCBt	60% in Biology/ Biotechnology	55% PCB/Bt	
B.Sc. Programme in Physical Sciences#	51% PCM		45% PCM	
B.Sc. Programme in Life Sciences	59% PCB/Bt		52% PCB/Bt	
B.Sc. Programme in Applied Physical Sciences (Computer Science)	61% PMC/Cs	60% in Mathematics	54% PCM	60% in Mathematics
B.Sc. (Hons) Biomedical Sciences	Last year the admissions were based on an Entrance examination. This year admission will be based on merit, i.e. the aggregate of PCB/Bt – Physics, Chemistry, Biology/Biotechnology.			

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

This year students of B. Sc. Physical Sciences will have to pursue Physics and Mathematics and choose the third subject from amongst three electives, namely Electronics (PME), Chemistry (PMC) and Computer Science (PMCs).

- 3E + 1L indicates three electives and one Language (English).
- PCML indicates the aggregate of Physics, Chemistry, Mathematics and one Language (English).
- PCM indicates the aggregate of Physics, Chemistry and Mathematics.
- PMC/Cs indicates the aggregate of Physics, Mathematics and Chemistry/Computer Science.
- PCB/Bt indicate the aggregate Physics, Chemistry and Biology/Biotechnology.
- M+1L+2E indicate the aggregate of Mathematics, one Language and two Electives from Physics, Chemistry, Computer Science, Business Studies, Accounts and Economics.

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>)

2.6 FEE STRUCTURE

Coursewise fees to be paid at time of admission in cash (Rs.) for the Academic Year 2010-11*

Undergraduate courses	General/OBC	SC/ST
B. Sc. (Honours) Biomedical Science	15905.00	14500.00
B. Sc. (Honours) Botany	5905.00	4500.00
B. Sc. (Honours) Chemistry	5705.00	4300.00
B. Sc. (Honours) Computer Science	20705.00	19300.00
B. Sc. (Honours) Electronics	5705.00	4300.00
B. Sc. (Honours) Mathematics	5705.00	4300.00
B. Sc. (Honours) Physics	5705.00	4300.00
B. Sc. (Honours) Zoology	5905.00	4500.00
B. Com. (Honours)	5705.00	4300.00
B.Sc. Life Sciences	5905.00	4500.00
B.Sc. Physical Sciences	5905.00	4500.00
Postgraduate Courses		
M.Sc. Chemistry	5841.00	4536.00
M.Sc. Mathematics	5841.00	4536.00
PGDCA	15705.00	14300.00

- Students who wish to become a member of the WUS Health service should deposit Rs.120/- along with fees.
- The caution money and library security is refundable. The student is required to submit an application for refund, separately for each, within three years of leaving the college. If no claim is made within this period, this money shall be deemed to have been donated to the Student's Aid Fund.
- The fee charged under the head 'Student's Aid Fund' is not refundable.

* In addition to the above University examination fee will also be charged at the time of admission.

Foreign Students Registration Fee: US \$ 100 extra in addition to the above fees for the respective courses. For B. Sc. (Honours) Computer Science, students from other than SAARC countries are required to pay US \$ 3500 per year in addition to the fees paid by Indian students. Students from SAARC countries can make these payments in Indian Rupees.

Note: Details about fee structure for Foreign Language courses are given in the Foreign Language Prospectus.

2.7 CANCELLATION OR WITHDRAWAL OF ADMISSION

Cancellation of admission and refund of fee would be as per the following rules:

- Amount paid for SAF is not refundable.
- A deduction of Rs. 5/- will be made if admission is withdrawn before 31st July 2010.
- A deduction of Rs. 30/- along with two months tuition fee will be made if admission is withdrawn between 1st and 16th August 2010. Upto Rs.1000 from the course fee may be deducted in case of self-financed courses.
- Only the security amount will be refunded for all cancellation of admissions after 16th August 2010.
- An additional Rs. 100 will be deducted if the admission is withdrawn after the preparation of ID card.

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.

For any queries or problems regarding admissions, please feel free to contact:

- Help Desk
- Convenors, Admission Committee: Dr. Vatsla Kohli and Dr. Sona Pranav Kumar

2.8 SHORT TERM ADD-ON COURSES

In order to improve skills required in a work environment and develop self-confidence the college conducts three Add-on courses. These are held late in the afternoons and on weekends.

1. Effective Communication and Personality Development through Theatre (ECPDT)

Convenors: *Mr. Sandeep Goel, Dr. Geetu Gambhir and Dr. Ravi Toteja*



This 100 hour-course conducted by eminent theatre personalities connected with the NSD, seeks to hone students in skills such as ‘effective communication’ – both oral and written. Some salient points of the course are as follows:

- a. Dynamic leadership through problem solving, critical thinking and decision-making.
- b. Ability to think creatively and act confidently through acting, improvisations, performances and scripting.
- c. Teamwork and interpersonal relationship skills focusing on relationships with self, friends, family and society.
- d. Self-management and self-awareness skills through effective conflict management, negotiations and ability to cope with stress and manage time effectively.

The course taught mainly through theatre workshops and lectures culminates with a function wherein students showcase their talent in front of special invitees. Seats in the course being limited, the college generally auditions the students for selection.

2. English Language Proficiency Course (ELPC)

Convenor: *Dr. Geetika Kalra*

The ELPC is a four month, 100-hour course conducted over three days a week in the college in collaboration with Institute of Life Long Learning, University of Delhi that is open to all students enrolled in University of Delhi. It seeks to improve students’ communication skills in the English language.

3. Insurance Training and Career Opportunity Programme - *Yuvodaya*.

Convenor: *Ms. Anuradha Sarin*

Students often look for training in specific fields that would enhance their employment prospects immediately after graduation. Towards this end, the college decided to be a part of the collaboration between MetLife and the University of Delhi for running an Add-on course - Insurance Training and Career Opportunity. Certified Faculty of MetLife conducts this course spread over nine weeks of study followed by one month of on-job training. The course ends with an evaluation and students performing well can hope to be placed in MetLife.

It is pertinent to mention here that a similar tie up with ICICI Bank for a course on ‘Foundations of Banking’ resulted in excellent training with most of the students being offered positions by the ICICI immediately after completion of the course.



3. THE DEPARTMENTS AND THE FACULTY

Dr. Savithri Singh (Principal)

A Botanist by training, Dr Savithri Singh, has over time, diversified her interests into issues on education (Science education in particular), women and environment. She was a member of National Knowledge Commission's working group on 'Retention of students in Science and Mathematics' and is an India Core team member for developing guidelines for 'Quality Assurance in Multimedia Learning Materials' – a project of Commonwealth Educational Media Centre for Asia, New Delhi and the Commonwealth of Learning, Vancouver.

Dr. Singh is involved with NCERT at various levels in the capacity as a Member, 'National Focus Group on Teaching of Science'; Member, Science Syllabus Committee'; Member, Departmental Advisory Board, Department of Science and Mathematics and Department of Teachers Education and Extension; Chief Advisor, Primary Environmental Studies textbooks, and author, Textbook Development team for Biology XI and XII. She was earlier editor and author of Delhi SCERT science books - classes III to VIII.

Besides being a strong advocate of Free and Open Source Software (FOSS) and Open Educational Resources (OER), she is an elected member and Vice Chair of the International Community Council of the Wikieducator – a 'wiki' committed for building OERs. She believes in free universal access to education and has led the college to switch over from various proprietary softwares to LINUX and FOSS.

Dr. Singh is passionate about encouraging research by faculty and promoting experiment-based research projects by undergraduate students. She makes it a point to ensure that students get opportunities to work with the best of tools available thus gaining valuable hands-on experience. She is responsible for the several hands-on workshops for students in the college – be it in Electronics, Biology, Microbiology or Computer Science.

3.1 DEPARTMENT OF BIOMEDICAL SCIENCES

Biomedical Sciences is a popular course sought by students with biological sciences background. The course offers promising career prospects in research, education, management and healthcare industry. An integral part of the curriculum is a supervised independent short term research project in a reputed research institution and/or Pharma/Biotech industry which trains students in current techniques and methodologies in the area of biomedical science.

Cathexis, the society of BMS students, is a vibrant platform where they showcase their organizational skills, leadership qualities, develop potential of being a speaker, writer, poet, editor, singer etc. The students get an opportunity to visit different research institutes in the country as part of their annual educational trip.





The Faculty

Dr. Urmi Bajpai (Assistant Professor). A keen researcher with specialization in Microbiology, she believes in making students' independent and oneself progressively unnecessary. She is the Principal Investigator of two research projects (funded by DBT and CSIR, respectively).

Ms. Sunita Jetly* (Assistant Professor). A top ranker, she believes in interactive teaching where concepts become clear. She is a gold medallist and has won Agnes Scot award in developmental biology.

Mr. Gagan Dhawan (Assistant Professor) is the recipient of 'CSIR – Catch Them Young Award'. Besides getting a top rank in the GATE-2000 examination, he is also a visiting faculty at Division of Biotechnology, Netaji Subhas Institute of Technology, Delhi. Just recently, he has been selected as a Visiting Fellow at University of Edinburgh, UK under U 21 exchange network.

Dr. Archana Pandey (Assistant Professor) is a recipient of 'CSIR - Catch Them Young award' twice and a double Gold medallist. She believes in the interactive way of teaching and also has founded a Students' Adventure Club.

Dr. Rajesh Chaudhary (Assistant Professor) did his Masters in Biomedical Sciences from Dr. Ambedkar Centre for Biomedical Research, followed by Ph.D. from the Department of Zoology, University of Delhi, He has published more than 8 research articles in peer reviewed journals.

3.2 DEPARTMENT OF BOTANY

Over the years, the department has made a name for itself through excellence in teaching and research. Besides formal education, many amongst the faculty are involved in developing e-learning content. Students are imparted the best guidance, constant monitoring and are initiated into research through summer workshops in state-of-the-art laboratories. TARU MITRA, the Botanical Society organizes various events to disseminate information about conservation of biodiversity and biological sciences. Academic tours help the students to know about various climatic zones and phyto-geographical distribution of the Indian sub continent. vba

The Faculty

Dr. M. S. Rajeswari (Associate Professor) is the senior-most teacher of the Department and has a specialization in Ecology and Taxonomy. Last year she was awarded the 'Distinguished Teacher Award' by University of Delhi. She is also a Guest faculty in Department of Environmental Biology, University of Delhi.

Dr. Saumya Saxena (Associate Professor) is a plant molecular biologist and Convenor of Examination Committee. She has completed a DST research project.

*Teacher-in-Charge



Dr. Anupama Shukla (Associate Professor) is organized and meticulous in everything she does. A dedicated teacher and an able guide, she tries to bring out the best in students. She is also passionate about the Hindi language.

Dr. Anita Narang (Assistant Professor) is a cell biologist specializing in Plant Resource Utilisation (PRU) and Genetics. She takes active interest in NSS activities.

Dr. Charu K. Gupta (Assistant Professor) is a plant reproductive biologist with a keen interest in environmental issues. She is a recipient of the ‘Young Scientist’ award and has successfully completed a DST project. She has seven research papers in international journals.

Dr. Geetika Kalra (Assistant Professor) has a specialization in Signal Transduction and Plant Physiology. She is the Academic Coordinator of English Language Proficiency Course.

Mr. Yasheshwar* (Assistant Professor) is pursuing his doctoral degree from the School of Life Sciences, Jawaharlal Nehru University with specialization in phyto- and photo-chemistry. He is Convenor of the Cell for remedial coaching to SC/ST/OBC students.

Dr. Rashmi Sharma (Assistant Professor) is a trained biochemist with interest in biotechnology and bioinformatics.

3.3 DEPARTMENT OF CHEMISTRY

Department of Chemistry holds a position of prominence amongst other colleges of University of Delhi because of its zealous faculty and well equipped laboratories including one dedicated to research projects. Apart from syllabi-driven practicals, students are encouraged to take up small projects and undergo summer training projects/workshops within the college as well as various scientific institutes.

The Department grooms the overall personality of the students by offering a platform for co-curricular activities in the form of ABHIKRIYA – The Chemistry Society.

The Faculty

Dr. Sunita Hooda (Vice-Principal) (Associate Professor) is the senior-most faculty member in the college with specialization in Physical Chemistry. She is a passionate researcher who has completed two research projects (funded by UGC and DST), has 40 research publications and has authored many books. She is actively involved with NCERT.

Dr. Seema Gupta (Associate Professor). One of the senior-most teachers in the college, she specializes in Inorganic Chemistry and takes keen interest in the development of e-content for undergraduate course.

Dr. Pooja Bhagat (Associate Professor) with specialization in organic chemistry is a double gold medallist. She has authored several books besides having a number of publications.



Dr. M.S. Rajeswari



Ms. Swati Gupta



Dr. Sarita Kumar



Dr. Seema Makhija



Our



Dr. Vibha Gaur



Dr. Monisha Khanna



Ms. Lipsa



Ms. Ruchika Pokhriyal



Mr. Vivek Bhardwaj

Pride



Ms. Sweety Raj



Ms. Harsha Rohira



Ms. Preeti Jha

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Ms. Anshula Arora



Dr. Shallu Sachdeva (Assistant Professor) is a gold medalist in M.Sc. (Inorganic Chemistry) and is actively involved in a UGC funded project in bioinorganic chemistry.

Dr. Rashmi Thukral (Associate Professor) specializes in Organic Chemistry. She is also a keen researcher and has authored several research papers.

Dr. Neeti Misra* (Associate Professor) is top ranker in Physical Chemistry has four research papers and several books to her credit. She is actively involved with the Institute of Life Long Learning (ILLL), University of Delhi and is a coordinator for Easy Now and WikiEducator workshops in the college.

Dr. Manisha Jain (Assistant Professor) is a double gold medallist with specialization in Inorganic Chemistry. She is an avid researcher having seven research publications.

Dr. Neelu Dheer (Assistant Professor) is a top ranker in Physical Chemistry and Convenor of ABHIKRIYA the Chemistry Society. She is involved with ILLL, University of Delhi.

Dr. Vandana Uberoi (Assistant Professor) specializes in Inorganic Chemistry and is PI of a UGC project. She has presented papers at international level.

Dr. Geetu Gambhir (Assistant Professor) with specialization as an organic chemist is actively involved in the ongoing research project in the department.

Mr. Dinesh Kumar Arya (Assistant Professor) has specialization in Inorganic Chemistry. He is a dedicated synthetic chemist awaiting the award of his doctoral degree.

Dr. Vikrant Kumar (Assistant Professor) specializes in Inorganic Chemistry and has been a Visiting Young Scientist in Nagoya University, Japan. He is the Principal investigator of a DBT funded project and has several research papers in international journals.

Dr. Pankaj Khanna (Assistant Professor) with specialization in Organic Chemistry has several publications in journals of repute.

3.4 DEPARTMENT OF COMMERCE

The Department of Commerce with a faculty strength of nine, has been able to carve out a niche for itself in terms of exemplary placement of its students in leading MNCs' including Metlife, Titan, ICICI and Concord to name a few. Keeping itself abreast of the latest happenings in the world of finance the department offers three optional subjects viz., Marketing, Finance, Taxation and Insurance.



The Faculty

Ms. Sangeeta Relan (Associate Professor). A top ranker with specialization in Micro Economics, Insurance and Finance and has been the coordinator of ‘Yuvodaya’.

Ms. Sadhna Gupta (Associate Professor). A very diligent teacher she specializes in Law, Finance and Organizational Behavior and Development.

Ms. Surinder Kaur (Assistant Professor) specializes in Finance and Tax. She has a keen interest in understanding and learning new technologies used in teaching.

Ms. Poonam Chauhan (Assistant Professor) specializes in Financial Accounting and Financial Management and is a member of Examination Committee.

Ms. Anuradha Sarin (Assistant Professor) specializes in Tax, Finance and Organisational Behaviour and she is the Coordinator of add-on course on ‘Insurance’.

Ms. Rupali Pabreja* (Assistant Professor) specializing in Finance and Law, has developed an e-learning module on Central Sales Tax. She has represented Delhi in State Level Swimming Competition.

Mr. Sandeep Goel (Assistant Professor) specializing in Banking and Finance has taught Foundations of Banking course started by ICICI Bank in collaboration with the University of Delhi. He was Convenor, Sports Committee, NSS Program Officer and Coordinator, Add-on course on ‘Personality Development’ through Theatre’ (2009 - 11).

Ms. Shalu Mahajan (Assistant Professor) specializes in Management and Finance and has been a part of the United Kingdom-India Educational Research Initiative (UKIERI) project and Banking course started by ICICI Bank.

3.5 DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science is a very vital and significant part of the college with three state-of-the-art computer laboratories. To encourage students to explore alternate computing environments, two years back, PCs in two laboratories were made to run on Linux Operating System emphasizing Free Open Source Software (FOSS) applications. It is the only Computer Science Department in the University to have done so.

The departmental society TURING organizes seminars and workshops on latest trends in software and technology. The students of the department have taken the initiative of developing and maintaining a newly developed college website using freely available website designing software ‘DRUPAL’

The Faculty

Ms. Sharanjit Kaur (Assistant Professor) has interest in Database Management, Programming Languages and Data Mining. Currently pursuing Ph.D., she is a member of the editorial board of 'International Journal of Data Mining, Modelling and Management'.

Dr. Vibha Gaur (Assistant Professor) is actively involved in Fuzzy Logic & Data Warehousing. She took initiative to develop the college website using DRUPAL. She is also the coordinator for the 'Innovation and Entrepreneurship Development Centre; of the college.

Ms. Sunita Narang (Assistant Professor) is pursuing Ph.D. in the area of Financial Derivatives and has conducted various Linux and FOSS workshops. She has encouraged students to take over the responsibility of software maintenance which has resulted in doing away with the notion of AMCs for software.

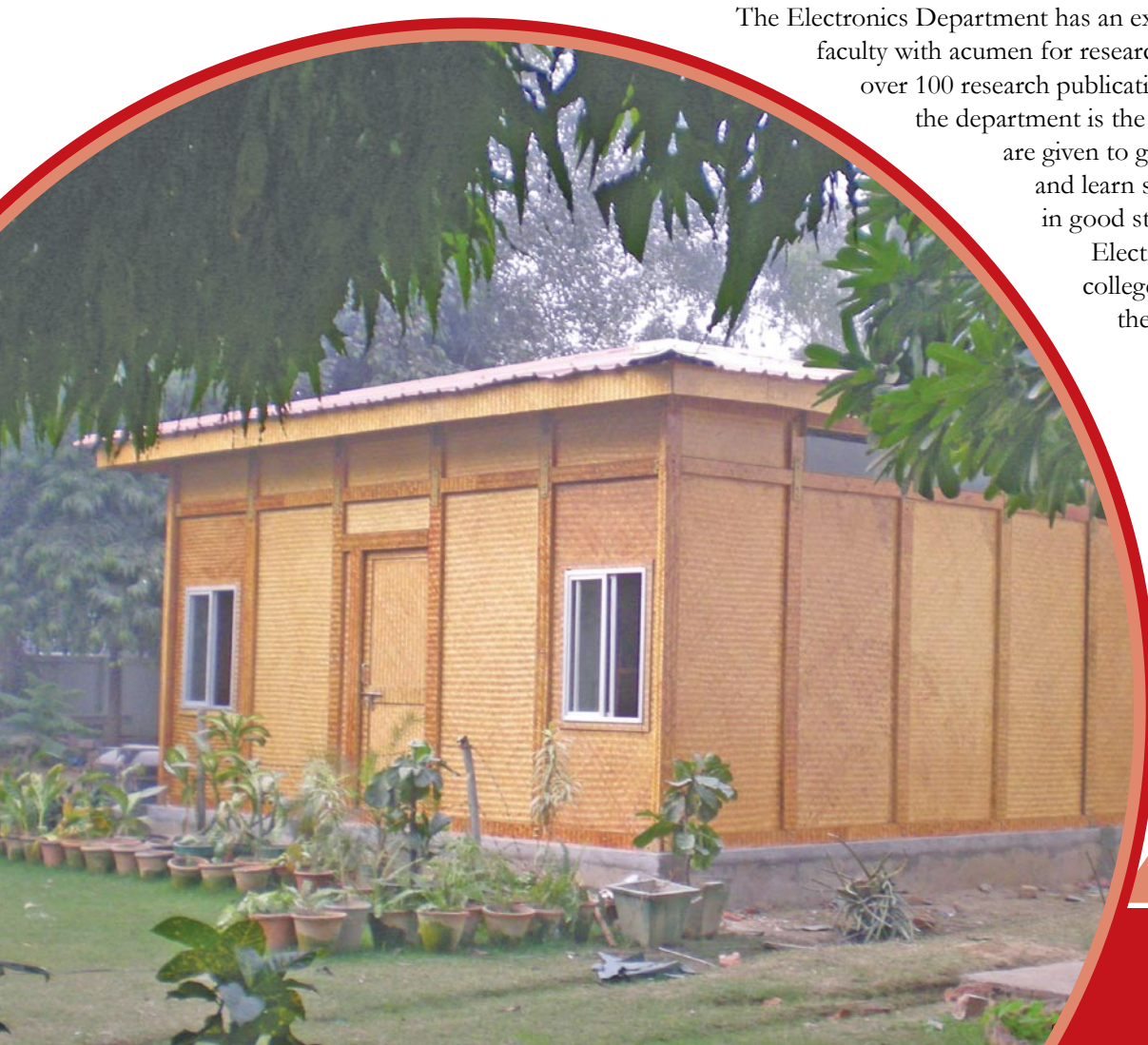
Ms. Harita Ahuja* (Assistant Professor) has interest in Artificial Intelligence and Web Mining and is at present working towards her Ph.D. degree. She is a member of Placement Cell. She has also helped conduct various Linux and FOSS workshops.

Ms. Preeti Marwaha (Assistant Professor) has interests in Operating Systems, Neural Networks and Programming.

Mr. Chandra Kant Samal (Assistant Professor) is a software scientist and likes combining policy relevant research with teaching in computer science.

Ms. Anu Praveen (Assistant Professor) has interest in Computer Networks, Discrete Mathematics and Computer Architecture.

3.6 DEPARTMENT OF ELECTRONICS



The Electronics Department has an experienced and dedicated faculty with acumen for research – a fact borne out by over 100 research publications. The key strength of the department is the encouragement students are given to go beyond the curriculum and learn skills that will stand them in good stead in future careers. The Electronics laboratories in the college are amongst the best in the University of Delhi and are equipped with latest state-of-art equipments. Students are also given a flavor of the industrial electronic software such as XILINX etc.

Practical Modules conducted for the first year students – a practice usual in foreign universities set this department apart from that in other colleges.

The Faculty

Dr. Sona Pranav Kumar (Associate Professor) specializes in Modeling and Simulation of novel heterostructures. She has several research papers in international journals. She has been actively involved in the SPICMACAY society of the college.

Dr. Anju Agarwal (Associate Professor) specializes in Micro-Electronics and has special interest in Digital Electronics and Microprocessors. She has more than 40 publications to her credit in International and National peer reviewed journals.

Dr. Amit Garg (Associate Professor) specializes in the area of laser material interaction and has a keen interest in science education. He has 29 research publications, has written two books, is on the Editorial Board of international journals and is a fellow of SPIE and Optical Society of India. He is the PI of a UGC research project which gives abundant research space to students. He is also the Bursar of the college.

Mr. Vishal Dhingra (Assistant Professor) has keen interest in Network Analysis and is the Proctor of the college. He has been the Convenor of the Placement Cell of the college ever since its inception four years ago. He is a Co-investigator of the UGC research project.

Dr. Udaibir Singh* (Assistant Professor) specializes in Optics and Material Science and has published many research papers in this field in esteemed journals.

Dr. Ravneet Kaur (Assistant Professor) has interest in analysis and simulation of short channel effects in sub-100 nm MOSFET technology. She has 68 publications and has appeared in the Golden Report Selections IEEE Transactions on Electron Devices.

3.7 DEPARTMENT OF MATHEMATICS

The Department with a faculty strength of nine, teaches the Honours course in Mathematics, students doing honours in Physics, Chemistry and Computer Science and also that of the Physical and life Science courses. This year onwards Mathematics will also be taught to Botany, Zoology and Biomedical Science students.

Every year the department society 'MATRIX' organizes quizzes, seminars, lectures and trips to encourage all-round development of students. The departmental library has a rich collection of books besides the titles available in the main college library. Students also have ready access to computers for learning various software like Mathematica, Matlab etc.





Faculty

Ms. Anupama (Associate Professor) is the senior most teacher in the Department, has been a university topper through her academic career and has a specialization in applied mathematics.

Dr. Vatsla Kohli (Associate Professor) did her Ph. D. in Queuing Theory from IIT Delhi and is one of the Convenors of the Admission Committee for the academic year 2010-2011.

Mr. Gaurav Sharma (Assistant Professor) is pursuing Ph.D. in ‘Celestial mechanics and non-linear dynamical systems’ from the University of Delhi.

Mr. Roopesh Tehri* (Assistant Professor) has very recently submitted his doctoral thesis. He is the Convenor of workload and time-table committee.

Dr. Laxmi Narain (Assistant Professor) specializes in scheduling problems and has six research papers in various national and international journals of repute.

Ms. Seema Gupta (Assistant Professor) has keen interest in mathematical programming. She is coordinator of the Foreign Language Courses.

Mr. Sadanand Prasad (Assistant Professor) has keen interest in evolutionary behavior in certain non-linear systems and is presently pursuing doctoral studies. This year he is the NSS Program officer.

Mr. Chaman Singh (Assistant Professor) is a young visionary with strong analytical skills and deep knowledge of advanced mathematics. He is currently pursuing doctoral studies. He is Convenor of the Sports Committee.

Dr. Sarita Agarwal (Assistant Professor) did her doctorate in Algebra. She has actively worked for many committees of the college like *Sashakt*, NSS and the Dramatics Society.

3.8 DEPARTMENT OF PHYSICS

The Department of Physics continually strives for excellence in teaching and research and has established itself as one of the reputed departments in the University. The spirit of innovation is kept alive by the faculty’s engagement in research that includes frontier areas of theoretical and experimental physics. Students are encouraged to perform original projects and dissertations, participate in seminars, workshops, and colloquiums wherein they are exposed to frontier areas of science and Physics in particular. Working together closely with faculty members, students of the department follow their individual passions to areas hitherto un-traversed. The department maintains its own website namely <http://sites.google.com/site/andcphysics>

The Faculty

Dr. Mamta Bhatia (Associate Professor) is presently OSD at Campus of Open Learning, University of Delhi. She is recipient of Indian Science Congress ‘Young Scientist’ Award. She specializes in Reactor Physics while her current area of interest is Solid State Physics.

Dr. Sanjeeta Rani (Associate Professor) specializes in Low Temperature Solid State Physics and her areas of interest are Computational Physics, Microprocessor, Computer Programming and Electromagnetic Theory.

Dr. Manisha Verma (Associate Professor) holds a doctorate degree in High T_c Superconductors. Besides teaching her other interests are reading and gardening.

Dr. Shalu Dhanda (Associate Professor) holds doctoral degree in classical mechanics. She was actively involved in restructuring of B. Sc. Programme in Physical Sciences.

Dr. Pankaj Tyagi (Associate Professor) specializes in Experimental Condensed Matter Physics and is inspired by Light (Optics) and Heat (Thermal Physics). He has many research publications in national and international journals.

Dr. Ashutosh Bharadwaj (Assistant Professor) has a postgraduate degree in Physics as well as in Electrical Engineering and specializes in experimental High Energy Physics. His research interests include Silicon Detectors, Induction Logging, Inversion etc.

Dr. Meenu Mohil (Assistant Professor) holds Ph. D. in Cosmology and Astroparticle physics and is currently interested in the Astroparticle research in the field of Leptoquarks.

Dr. Arijit Chowdhuri (Assistant Professor) specializes in experimental Material Science, is on the editorial board of the International Journal 'Sensors and Transducers' and has been a Visiting Fellow at the Australian National University, Canberra, Australia. He is Co-investigator in two projects funded by DST and MIT.

Dr. Priti Agarwala (Assistant Professor) has specialization in Plasma Physics. She was also involved in restructuring of the B. Sc. Programme in Physical Sciences.

Mr. Ranjeet Singh (Assistant Professor) is currently on leave to pursue Ph.D. in Physics from IIT, Delhi, with specialization in High Power Laser Plasma interaction.

Mr. Subhash Kumar* (Assistant Professor) specializes in Electronics and has keen interest in Plasma Physics applied to astrophysical systems and space science. He is a FOSS enthusiast and an active volunteer of SPICMACAY.

Dr. Rachna Joshi (Assistant Professor) specializes in Atomic and Molecular Physics and is currently involved in research in the field of 'Atoms in Strong Laser Fields'.

Mr. Pawan Kumar (Assistant Professor) earned his M. Phil degree from IIT Roorkee, and is currently involved in research in the field of Atomic and Molecular Physics.

3.9 DEPARTMENT OF ZOOLOGY

Zoology has always been the first choice of the students willing to pursue higher qualifications in biology as it provides immense opportunities for pursuing high profile careers in industry as well as research.

The Department laboratories are extremely well equipped wherein students can pursue research projects. The departmental library has a rich collection of books exclusively for the students. Every year the departmental society NICHE organizes various seminars and competitions. Annual excursions are the integral part of the departmental activities. With a large number of on-going research projects by faculty the students get excellent opportunities to interact and learn within these projects.

The Faculty

Dr. Poonam A. Kant (Associate Professor) specializes in Reproductive Endocrinology and is a triple gold medallist. She has authored a book on Cell Biology.

Dr. Sarita Kumar (Associate Professor) recipient of the 'Distinguished Teacher Award' from University of Delhi, has more than 20 publications & books. She is on the editorial board and reviewer of international Journals besides having two ongoing research projects.

Dr. Monisha Khanna (Associate Professor) specializes in Molecular Biology and has just completed a MOEF funded research project. She has conducted summer workshops, prepared e-learning content and is a referee for the Indian Journal of Microbiology. She is guiding a research student having got recognition for independent supervision of Ph.D students by the University of Delhi.

Dr. Ravi Toteja (Assistant Professor) is a trained immunologist and biotechnologist. He has authored a book on 'Biotechnology' for undergraduates. He has been instrumental in organizing summer workshops in biology and Open Education Resources for the students.

Dr. Monica Misra (Assistant Professor) is an endocrinologist who often accompanies students on educational tours. She is Secretary, Staff Council



Dr. Seema Makhija* (Assistant Professor) is a protozoologist and a recipient of the University of Delhi's 'Distinguished Teacher Award'. She is involved in creating e-Learning educational content using EasyNow.

Dr. Ram Kumar (Assistant Professor), an ecologist, has international recognition for his contributions in the field of aquatic ecology. He is a Visiting Scientist at Institute of Marine Biology, National Taiwan Ocean University, Taiwan and has been invited as Visiting Professor to University of Lille, France for the summers of '08-'09 and '09-'10.

Mr. Ravinder Kumar Sagar (Assistant Professor) has keen interest in haematology-based experiments having 17 international and three national publications to his credit.

3.10 DEPARTMENT OF ENGLISH

The second most spoken language in the World and the lingua franca in many professions, English has been gaining importance for global communication. A fairly high degree of proficiency in English and excellent communication skills enhance students' employability. The department conducts classes for the English and technical writing papers of all streams that the college conducts.

The Department also offers help to the students who wish to take part in Intra-College and Inter-College Debate and Declamation Competitions.

Mr. Manoj Kumar Garg* (Assistant Professor) has done his M. Phil from Kurukshetra University. He encourages students to participate in various competitions and is always available for help to students.

3.11 LIBRARIAN

Ms. Veena Saini (Librarian) has done her post graduation in Political Science as well as in Library and Information Science with specialization in Reference Service from the University of Delhi. She has been working tirelessly to enrich the library and to ensure computerization of all processes in the library including administration, cataloging and other in-house jobs of the library.



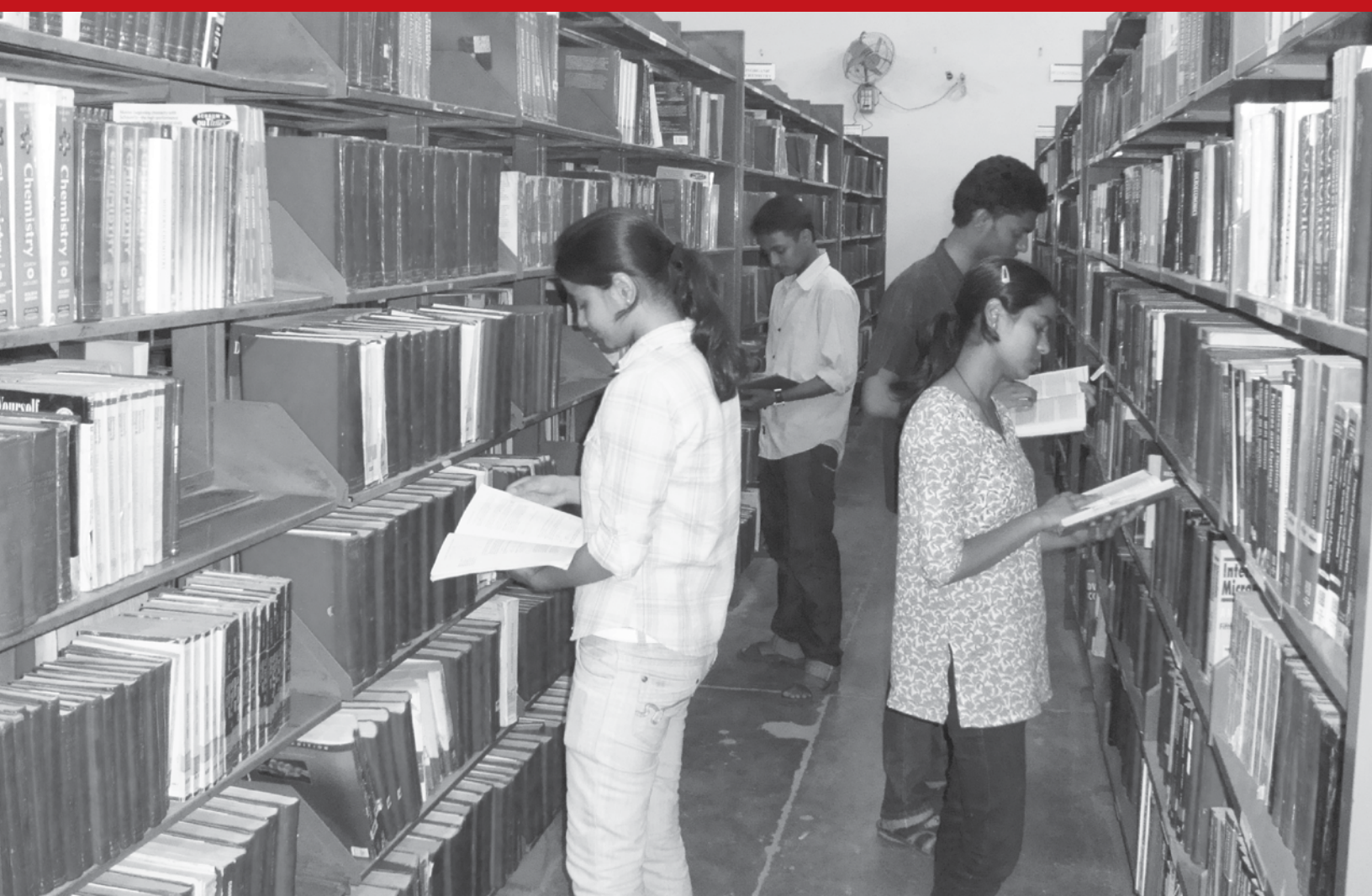
Dr. Sunita Hooda
Vice Principal

Mr. V. S. Rao
Section Officer
Administration

Dr. Amit Garg
Bursar

Mr. Chetanya Sharma
Section Officer
Accounts

Mr. Sanjay Vohra
Instructor and Placement Officer



LET'S CONNECT!! - Committees 2010 – 2011

<p>Annual Events Management Committee</p> <p>Dr. Charu K. Gupta (Convenor) Dr. Sarita Kumar Dr. Pankaj Tyagi Dr. Archana Pandey Dr. Anita Narang Dr. Ram Kumar Dr. Sona P. Kumar Ms. Surinder Kaur Dr. Yasheshwar Ms. Poonam Chauhan Dr. Sarita Agarwal</p>	<p>Proctorial Committee</p> <p>Mr. Vishal Dhingra (Convenor) Dr. Pooja Bhagat Dr. Manisha Verma Ms. Sadhna Gupta Mr. Gagan Dhawan Dr. Anju Agrawal Dr. Laxmi Narain Dr. Rajesh Chaudhary Mr. Chandra Kant Samal</p>	<p>Alumni Affairs Committee</p> <p>Dr. Neelu Dhir (Convenor) Dr. Shallu Sachdeva Dr. Archana Pandey Dr. Pooja Bhagat Dr. Monisha Khanna Dr. Anita Narang Ms. Preeti Marwah Dr. Urmi Bajpai Dr. Rashmi Thukral</p>
<p>SPICMACAY</p> <p>Ms. Shalu Mahajan (Convenor) Mr. Subhash Kumar Mr. Ravinder Kumar Sagar Dr. Rachna Joshi Dr. Ram Kumar Ms. Seema Gupta Mr. Chandra Kant Samal</p>	<p>Sports Committee</p> <p>Mr. Chaman Singh (Convenor) Mr. Ravinder Kumar Sagar Mr. Dinesh Kumar Arya Mr. Gaurav Sharma Ms. Veena Saini Dr. Rachna Joshi</p>	<p>Canteen Committee</p> <p>Mr. Dinesh Kumar Arya (Convenor) Ms. Harita Ahuja Dr. Saumya Saxena Mr. Gagan Dhawan Dr. Udai Bir Singh</p>
<p>Editorial Committee</p> <p>Dr. Arijit Chowdhuri (Convenor) Ms. Sunita Jetly Dr. Sona P. Kumar Dr. Poonam A. Kant Dr. Ravi Toteja Dr. Manisha Jain</p>	<p><i>Paritantra:</i> The Environment Society</p> <p>Dr. M.S.Rajeswari (Convenor) Mr. Gaurav Sharma Mr. Sadanand Prasad Mr. Ravinder Sagar</p>	<p><i>Sashakt:</i> Women Students' Affairs Committee</p> <p>Ms. Anuradha Sarin (Convenor) Ms. Sangeeta Relan Dr. Geetika Kalra Ms. Anu Praveen Ms. Preeti Marwah</p>
<p>Debating Society</p> <p>Ms. Surinder Kaur (Convenor) Ms. Sangeeta Relan Dr. Anju Agrawal Dr. Vibha Gaur Mr. Manoj Kumar Garg</p>	<p>Fellowship Programs and Awards Committee</p> <p>Dr. Meenu Mohil (Convenor) Dr. Amit Garg Dr. Rashmi Sharma Dr. Priti Agarwala Dr. Laxmi Narain Dr. Vikrant Kumar</p>	<p>I.T. Committee</p> <p>Mr. Pawan Kumar (Convenor) Dr. Arijit Chowdhuri Mr. Subhash Kumar Ms. Harita Mehta Dr. Ravneet Kaur Dr. Pankaj Khanna Ms. S. Anu Praveen</p>
<p>Remedial/Coaching classes for SC/ST/OBC Students</p> <p>Mr. Yasheshwar (Convenor) Mr. Sadanand Prasad (Co-Convenor) Mr. Chaman Singh NSS Program Officer EOC Convenor</p>	<p>Social Outreach Committee Mr. Sadanand Prasad (Convenor, also NSS Program Officer)</p> <p>Dr. Anita Narang Dr. Rajesh Chaudhary Dr. Pankaj Khanna Dr. Sarita Agarwal Mr. Manoj Garg</p>	<p>Placement & Career Counselling Cell</p> <p>Mr. Vishal Dhingra (Convenor) Dr. Geetu Gambhir Dr. Vandana Uberoi Dr. Urmi Bajpai Dr. Shallu Sachdeva Dr. Vikrant Kumar Mr Sanjay Vohra (Placement Officer)</p>

4. COLLEGE ACTIVITIES

4.1 ACHARYA NARENDRA DEV MEMORIAL LECTURE

The college organizes Acharya Narendra Dev Memorial Lecture every year around 31st October to mark the birth anniversary of Acharyaji.

4.2 ACCENTURE - THE ANNUAL CULTURAL FEST

A refreshing break from classroom studies during academic session comes in the form of ACCENTURE the inter-college cultural festival of the college. It imbibes in itself the spirit and enthusiasm of youth and thus encourages competitive skills of the students beyond the college boundaries. Various cultural and literary events are organized which include Debate, Quiz, Singing, Dancing, Poetry, Acting competitions, etc. Various artists of National Fame grace the occasion with their performances. This year performances by Sabri Brothers (Sufi singers), satirical renditions by Dr. Kumar Vishwas, DJ evening by Aamna Mirza and her troupe were the talk of the town.

4.3 ANNUAL DAY

The Annual Day of the college is organized in the first week of March every year. Eminent public figures like Professor Yash Pal, Professor Kiran Walia, Ms Kiran Bedi, Ms Shiela Dikshit and Shri Oscar Fernandes have accepted our invitations, in recent years, to be Chief Guests and have taken part in our celebrations. As guest of honour we've had the Director South Campus, Dean (Colleges), Dean (Planning), Dean (Students' Welfare) gracing the occasion in different years. The Chairperson of the Governing Body presides over the function which involves presentation of the Annual Report by the Principal, followed by prize distribution ceremony wherein students are felicitated for excellence in academics and other co-curricular activities.

4.4 NATIONAL SERVICE SCHEME (NSS)

The NSS unit of the college strives to sensitize students about their social responsibilities and inculcate the spirit of voluntary service amongst students and staff. Amongst more than 200 volunteers it has aroused an awareness about the realities of life, a better understanding and appreciation of problems of the people. The students working in this unit gain valuable work experience which stands them in good stead for future employment. The unit has taken a lead in University of Delhi in a campaign for making students and staff aware about the harmful effects of tobacco. Amongst various activities covered this year were a blood donation, Thalassemia screening camp and free Health Check-up Camp for the teaching and the non-teaching staff of the college. Through the active participation by several NGOs working for differently-abled people, a Diwali Mela 'SAHYOG' has become an annual feature.

4.5 ENVIRONMENT SOCIETY: *PARITANTRA*

What we do today, right now, has accumulated effect on our future, hence, we have to conserve Nature for our future generations. *Paritantra*, the Environment Society has taken up the task of creating awareness amongst youth about growing environmental concerns. Slowly but surely the society is evolving a mechanism for active, effective and target-oriented activities which strives to change mindset of people and make them more eco-friendly. Anti-tobacco and anti-littering awareness campaign in adjoining residential areas are some of the major initiatives undertaken by the society. The eco-consciousness of the college is quite evident in the water harvesting project since 2003. Solar energy is being harnessed and used to power street lights in the parking area since 2006. College is committed to reduce use of paper and encourages paper recycling.

THE CAMPUS IS A NO SMOKING ZONE!!

The University of Delhi is partnering with Delhi Police and World Lung Foundation - South Asia in promoting a TOBACCO FREE environment.





4.6 SASHAKT

Sashakt, the society for the welfare of the girl students of our college, works towards gender-sensitization and empowerment of women. Sashakt creates awareness about prevention of sexual harassment and educates the college community about the legal provisions available against sexual harassment at work place by arranging talks, documentaries (followed by discussions), and putting up posters in the college. The College Complaints Committee works in close Coordination with *Sashakt*.

4.7 SPICMACAY

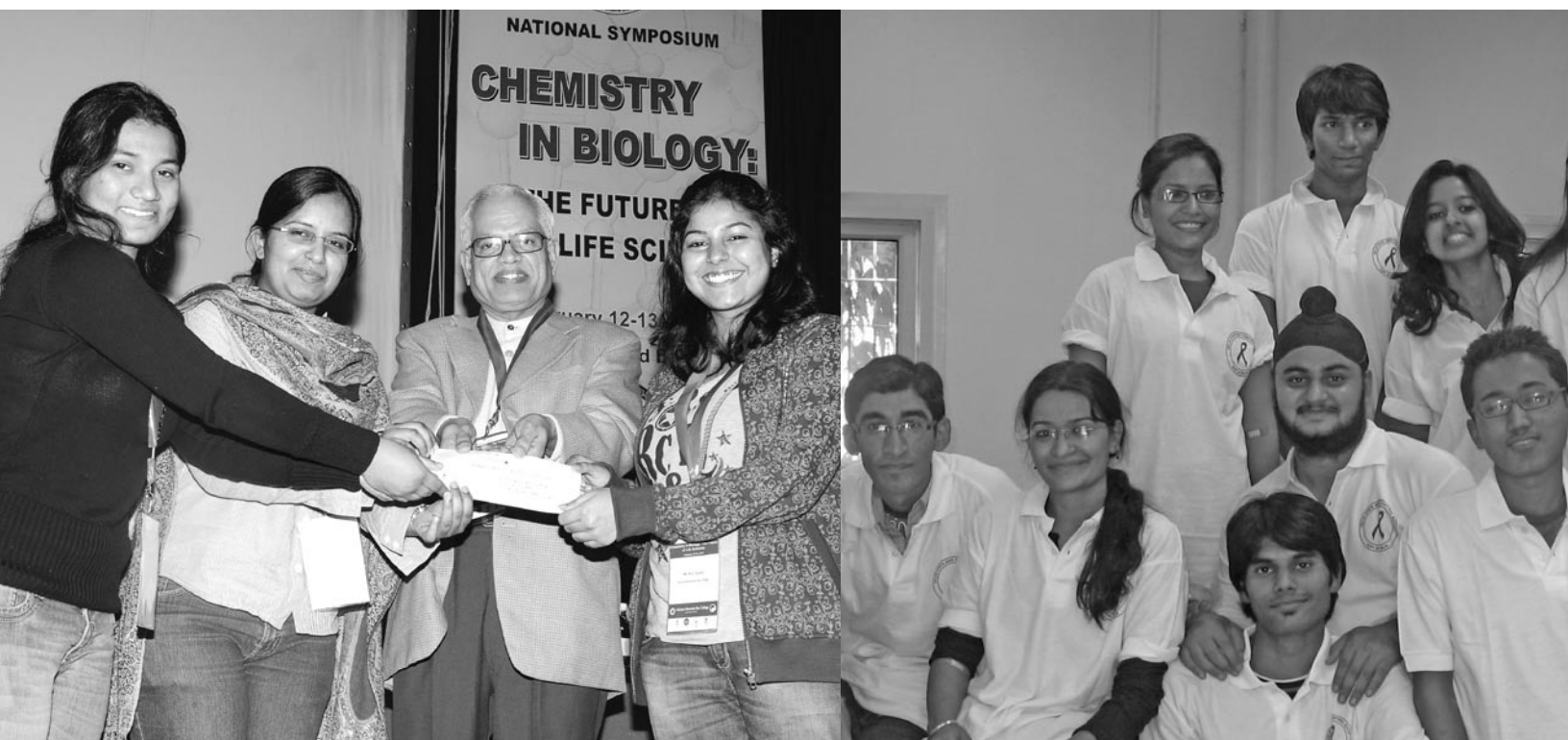
SPICMACAY (Society for Promotion of Indian Classical Music and Culture Amongst Youth) seeks to conserve and promote an awareness of rich and heterogeneous cultural tapestry amongst the youth of this country through focus on the classical arts, with their attendant legends, rituals, mythology and philosophy and to facilitate an awareness of their deeper and subtler values. The ANDC chapter of SPICMACAY provides a forum for students to come face-to-face with Indian culture and experience its greatest grandeur through concerts of the great maestros of Indian classical and folk music. These are organized by the students themselves with active guidance from the faculty and the Delhi chapter of SPICMACAY. In recent years the college had the opportunity to organize concerts of Grammy award winner Pt. Vishwamohan Bhatt, Ustad Asad Ali Khan, Ustad Ashish Khan, Meeta Pandit, Pt. Rajan & Sajan Mishra, Pt. Rajendra Prasanna, Smt. Shanti Sharma, Smt. Ashwini Bhide Deshpande among others, Kutiyattam (dance) performance by Kapila Venu and the Sufi music concert by the Nizami Bandhu were much enjoyed by the college community.

4.8 COLLEGE MAGAZINE

An institution's soul is reflected in its magazine. The College publishes out its magazine 'Insight' every year. The magazine provides a podium to the college fraternity to unleash their thoughts and bring out their creative sides. The contributions in the college magazine are in the form of articles on contemporary social issues, short stories, poetry, briefings of various excursion trips organized by the college, a report on innumerable college activities happening throughout the year and a lot more. This also helps students to vent to their imagination. The editorial board comprises of both the faculty and the student members.

4.9 DEBATING SOCIETY

Debating is a valuable learning activity for critical thinking and improving communication skills. The Debating society of the college provides a platform for students to showcase their oratorical talent and intellect. In keeping



with the free-spirit that the college identifies with, the debating society this year chose to deliberate upon a topic of immense collective importance and having far-reaching implications for the society in general. The motion of the debate this year was ‘This house believes in a big fat Indian Wedding’ which reflected the increased maturity level of students.

4.10. INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CELL

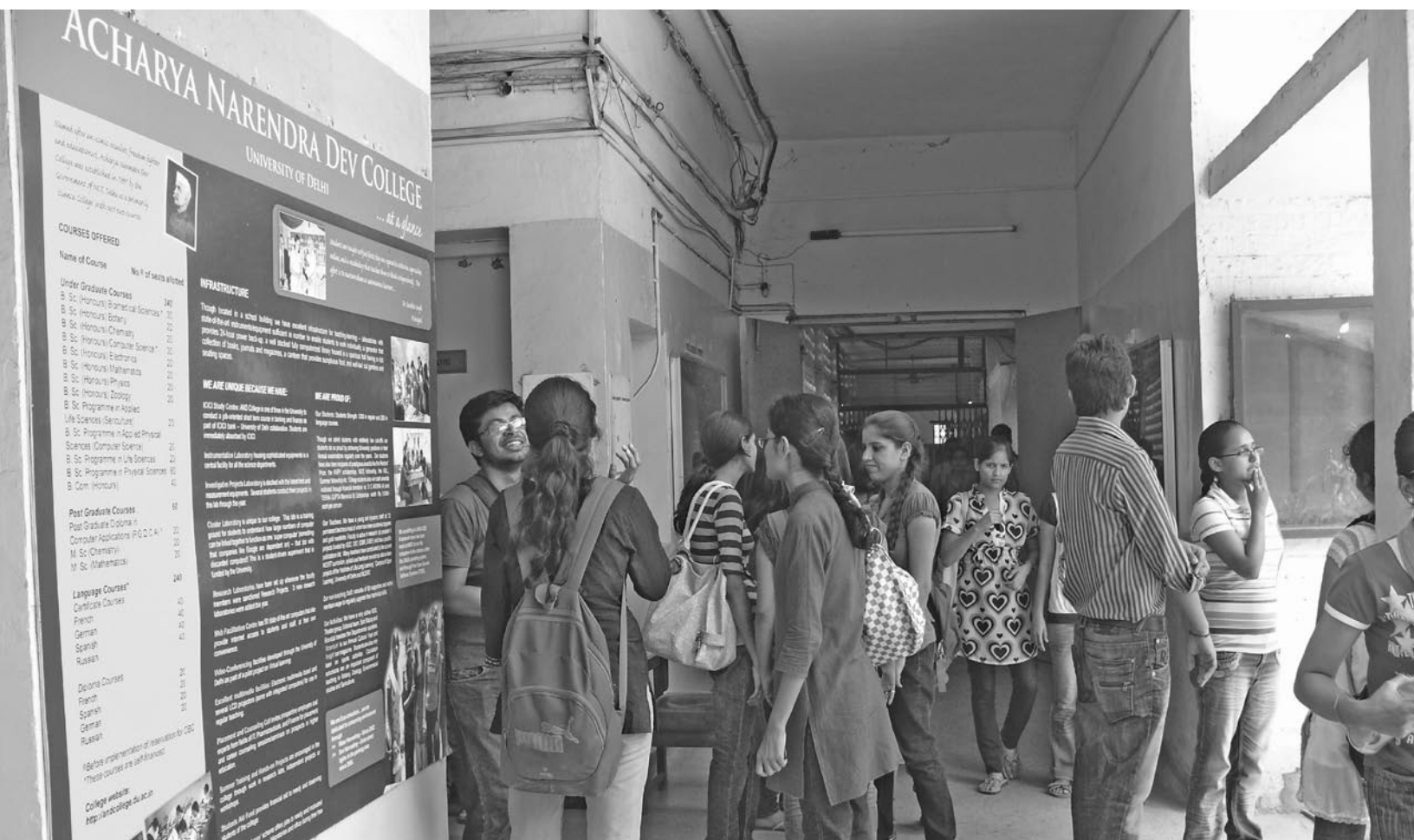
Entrepreneurship is closely associated with change, creativity, knowledge, innovation and flexibility - factors that are important sources of competitiveness in an increasingly globalized world economy. To promote selfemployment we have established an Innovation and Entrepreneurship Development cell (IEDC) with support from the Department of Science and Technology (DST). The main focus is to set up an institutional mechanism to help promote knowledge based and technology driven enterprises and aim is to convert ‘job-seekers’ into ‘job-generators’. Last year, EDC of the college organized two Entrepreneurship Awareness Camps (EACs).

4.11 ALUMNI MEET

A mentor feels satisfied only when he sees his apprentice doing well in life. The college faculty is always keen to know whereabouts of its former students and hence Alumni Meet becomes an integral part of the life of the institution. The Alumni Affairs Committee of the college keeps a track of the alumni and organizes an alumni meet with the primary objective of strengthening the pillars of our dynamic and evolving college by the direct and active involvement of its alumni. The Alumni meet is held on the first Sunday of February every year. Alumni can also register themselves online via the college’s official website.asd

4.12 STUDENTS COUNCIL

The college has a ‘Students’ Council’ for effective representation of their view point. The election for the Council are held every year in the beginning of the session and usually the date and time coincides with the DUSU elections. The council is not only responsible for giving a voice to student’s common problems but also to maintain the discipline and decorum of the College campus. This way, students learn to be responsible citizens of the country.



5. BEYOND THE CLASSROOM ...AND TRAINING AND WORKSHOPS GALORE!!

Acharya Narendra Dev College, though a young college, has already made a name for itself as a Centre of Excellence in education, research and professional development. This is borne out by the fact that last year we were listed among the 'Top Ten Science Colleges' in Delhi, by the India Today Survey.

In our pursuit of excellence we strive to create a shared learning environment and offer our students opportunities for experience and learning. In its journey, to achieve the dream of providing an invigorating environment for quality education, the college over the last few years, took teaching 'beyond the Classroom'. Coupled with creating an interactive environment in our theory, tutorial and practical classes, the faculty stressed the importance of personality development, confidence building, skill-development and team work - attributes more easily acquired outside the formal space of the classroom.

Being a 'science' college we realized that students have to be exposed to 'what it means to practice science' - we decided to encourage them to take up small research projects either in the college or outside or undertake training and skill development in any field of their choice. These project sometimes have resulted in students bringing laurels to the college - a case in point is the 'Young Scientist 2009' award of the Department of Science and Technology of the Delhi Government and the other - the 'Youth Delegate' at the Climate Conference at Copenhagen. We are proud of the recent (April 2010) stellar contribution made by four second year students in unravelling the TB genome (OSDD project). All students are encouraged to present their research findings in the 'adult' world of scientific conferences and symposia - a very great morale boosting experience for them.

In true quintessential spirit, teaching in the college has progressed beyond the classroom and into the realm of a higher level of academics, which translates into frequent hands-on workshops, e-learning content development and research participation in areas of national and international significance. It's our firm belief that these efforts will bring a bountiful harvest in years to come that will be exemplified by the quality of our students and of the teaching-learning process and in our contribution towards the advancement of fundamental science/scientists.

5.1 NATIONAL SYMPOSIA

Symposium originally referred to a drinking party (the Greek verb sympotein means "to drink together") but has since come to refer to any academic conference, or a style of university class characterized by an openly discursive format, rather than a lecture and question and answer format. We at Acharya Narendra Dev College, strongly believe that class room teaching should be supplemented with hands-on training and seminars & symposiums. Keeping this trend in view, we had organized national level symposia in 2003 and 2010.

1. BIOTECHNOLOGY: EXPANDING HORIZONS

(17th -18th October, 2003 at Indian National Science Academy)

Despite several scientific accomplishments, there are always challenges to be met and possibilities to be explored. It is biotechnology that shall continue to show us the way to reach our ultimate goal of the world with total food sufficiency, a world whose people do not suffer from scourge of infectious and genetic diseases and a healthy environment - clean and green! Biotechnology is the new revolution around the corner. In view of the importance of the topic, the College organized a two-day National Symposium. The primary objective was to provide a forum



to teachers of undergraduate courses of various universities to interact with the distinguished scientists working in the area of biotechnology. The structure of the symposia was so designed so as to give a comprehensive overview of this multifaceted discipline.

Biotechnology has found its uses in all spheres of life and most prominently in Medical, Industry, Agriculture and Environment. Keeping this in mind various sessions were planned in such a manner so that all these spheres were covered. The various topics included medical biotechnology, use of biotechnology in industry, environmental biotechnology, bioinformatics and bio-patents. Eminent speakers included Professor Rakesh Bhatnagar (JNU), Dr. Balaji Prakash (IIT Kanpur), Dr. Rama Mukherjee (Dabur Research Institute), Dr. M.K. Sahib of Wockhardt, Professor Deepak Pental (University of Delhi), Dr. Shiva Reddy (ICGEB), Professor Pardha Sardhi (University of Delhi), Dr. Alok Bhattacharya (JNU), Dr. Malti Lakshmikumaran (TERI) and Dr. C.B. Rao (IGIB).

In the panel discussion, 'Biotechnology and Society: Ethics of it All', Professor R.N.K. Bameezai (JNU), Dr. A.K. Bansal (IARI), Dr. Subhash Chand (IIT, Delhi), Dr. M.K.Sahib (Wockhardt) and Ms. Sandhya Tewari (CII) expressed their thoughts on use of biotechnology.

2. CHEMISTRY IN BIOLOGY: THE FUTURE OF LIFE SCIENCES

(12th -13th February, 2010 at India International Centre)

Chemical biology has become the new buzz word in the field of organic chemistry and life sciences, describing a new era in the progressive integration and the interplay between the two disciplines. Further, Chemistry may provide the basis for the understanding of many unexplained biological phenomena in the nature. Keeping this in view, it becomes important that undergraduate students, who are our future researchers, understand biology and chemistry as integrated subjects, even though these are taught as distinct disciplines.

The National symposium organized, focused on the application of chemistry for addressing present-day problems of biology including diverse fields such as Structural Biology and Drug Discovery, Nano Medicines and Nano devices, Green Chemistry and Clean technology.

Special Invited talks by Professor B. Jayaram (IIT Delhi), Dr. Amit Sharma (ICGEB), Dr. Amulya Panda (NII), Dr. K. C. Gupta (IITR, Lucknow), Professor Hans-Uwe Dahms (South Korea), Dr. Rita Kumar and Dr. V. C. Kalia (both IGIB) and Professor R.K. Saxena (University of Delhi, South Campus) were inspirational and led to very good interactive question-and-answer sessions.

There was also a Panel Discussion on 'Teaching of Science', where Dr Vasudha Kamat (NCERT) and Dr. R Sreedher (CEMCA) emphasized the importance of integration of ICT tools in education. The other panelists Professor Amitabha Mukherjee, Professor K. Muralidhar and Dr. Savithri Singh (all University of Delhi) discussed various aspects of classroom teaching of Science in the University and schools.

This Symposium was unique in that there were two sessions exclusively for student presentations - both oral and poster presentations - that provided space to students for good interactions with eminent scientists. The best oral and two best poster presentations were given 'Young Chemical Biologist' awards. The symposium had over 158 participants including 70 students.

5.2 WORKSHOPS

In keeping with our belief that hands-on learning is the best way to learn, conducting workshops in college is a natural and regular activity. Besides academic workshops we've even organised one on Video-filming! Academic workshops get organized due to several reasons:

1. **By the Principal Investigators of Research Projects:** An unwritten rule (nay, understanding) is that all Principal Investigators will provide for some training of undergraduate students either by allowing them to do projects in their laboratories or through conducting training workshops. These are usually held in summer.

2. **By Faculty in Departments:** When the faculty feel that any particular subject area teaching can be augmented through dedicated hands-on workshops these are conducted by teachers along with resource persons from the industry/University. We include the annual Electrowork and Biology workshops under this head.
3. **FOSS and Linux Workshops:** Since the college believes in open-source software, we conduct workshops every year for students and teachers (even from other colleges) so that more and more students and teachers get introduced to FOSS. We also conduct several workshops with other FOSS bodies eg. NRCFOSS, ILUGD where we call in experts to deal with specific areas using FOSS.
4. **Basic Computer Skill Training:** These are for freshers who are not computer-friendly. Since it is important that all students are enabled to use the Web Facilitation Centre and have basic computer skills, this training workshop is held in the month of July-August for new students who register for the course.
5. **Open Educational Resources - Wikieducator:** In keeping with the commitment towards FOSS the college also believes in open access to educational content. We conduct hands-on workshops on OER - Wikieducator to enable teachers to upload content in open access formats. We have conducted twenty such workshops both in college, in Delhi University South Campus, in NCERT and some schools. Several of these workshops have been conducted in collaboration with Commonwealth of Learning, Vancouver.
6. **Easy Now Workshops:** Recognizing that teachers need to be enabled to create content specially using multimedia components, Commonwealth Educational Media Centre for Asia (CEMCA) helps implement an 'Easy Now' package that consists of easy to learn tools for content development. Acharya Narendra Dev College has benefitted from our association with CEMCA since we have conducted several such workshops.
7. **Workshop on Curriculum to Refresh Teachers:** When the new B.Sc Programme in Life Science was introduced, teachers felt that hands-on workshops were essential for teachers. Acharya Narendra Dev College was called upon to conduct such a workshop in Biology for teachers across the University who teach Part III. Whenever new syllabi are implemented such workshops would be the order of the day.



6. GENERAL RULES

ACTS OF GROSS INDISCIPLINE

(AS PER ORDINANCE XV-B , XV-C AND XV-D OF UNIVERSITY OF DELHI):

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

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

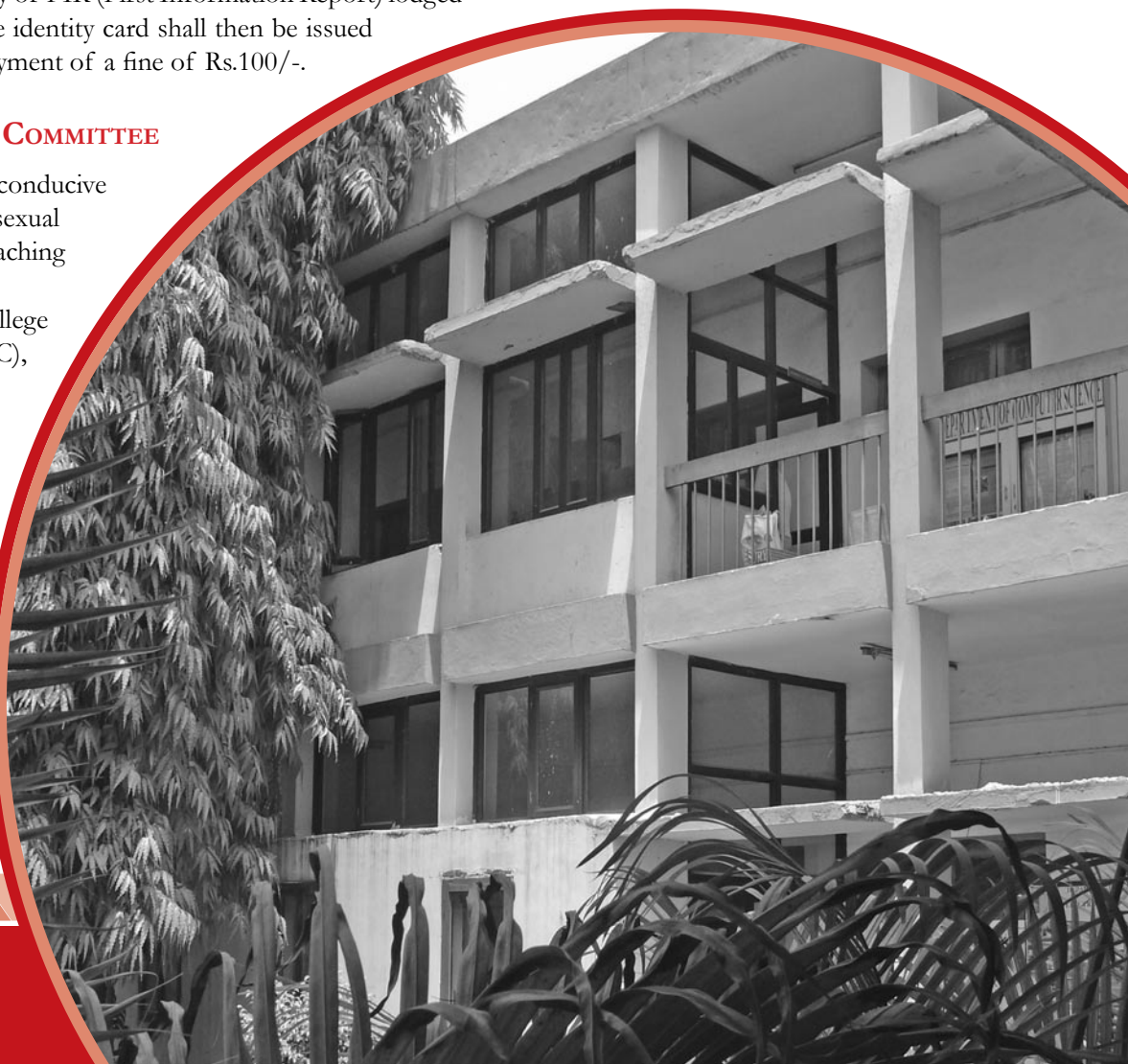
- Boisterous behavior in the college premises.
- Smoking and consumption of alcohol in the college premises or being found in an inebriated state. .
- Use of mobile phones in classrooms and laboratories.
- Parking personal cars within the college premises.

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 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 the identity card has to be reported to the college along with a copy of FIR (First Information Report) lodged with the police. A duplicate identity card shall then be issued for a fee of Rs.50/- and payment of a fine of Rs.100/-.

COLLEGE COMPLAINTS COMMITTEE

To create an academic and conducive work environment free of sexual harassment for students, teaching and non-teaching staff, the college has constituted a college complaints committee (CCC), as per ordinance XV- D of University of Delhi. The committee addresses and investigates any complaints of sexual harassment. The committee consists of two members each from teaching and non-teaching staff, three student-members and two responsible members from society.



NOTICE BOARDS

Notice boards of the college display important information regarding schedule of classes, examinations, attendance, holidays, activities, fellowships, scholarships etc. It is imperative that students read the Notice Boards 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 non-compliance 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 for any papers that reach the wrong address in case of non-intimation.

INTERNAL ASSESSMENT

For details regarding the marking scheme and internal assessment under the annual as well as the semester system students are advised to check the University of Delhi website (<http://du.ac.in>).

WE ARE ECO-CONSCIOUS !!

Water Harvesting – since 2003

Solar Energy Harvesting – Solar powered streetlights since 2006

Concerted effort to reduce use of paper since 2006

IMPORTANT INFORMATION FOR PROSPECTIVE STUDENTS AND THEIR GUARDIANS

The University of Delhi is in the process of restructuring undergraduate course curriculum. Hence parents and their wards are advised to regularly check the University website (<http://du.ac.in>) and/or college website (<http://andcollege.du.ac.in>) for latest updates.

DISCLAIMER

Information contained in this prospectus, to the best of the College's knowledge, is correct at the time of publication and cannot be used for legal purposes. The college reserves the right to cancel and/or change programs and courses offered at any time.

