Prospectus
2017-18

Shaheed Rajguru College of Applied Sciences for Women

Accredited with 'A' Grade by NAAC

University of Delhi

Shivaram Hari Rajguru

(24 August 1908 — 23 March 1931)

Shivaram Hari Rajguru was born in a Hindu Brahmin family at Khed in Poona district in 1906. He came to Varanasi at a very early age where he learnt Sanskrit and read the Hindu religious scriptures. At Varanasi, he came in contact with revolutionaries. He joined the freedom movement and became an active member of the Hindustan Socialist Republican Army (H.S.R.A). Rajguru had fearless spirit and indomitable courage. The only object of his adoration and worship was his motherland for whose liberation he considered no sacrifice too great. He was a close associate of Chandra Shekhar Azad, Sardar Bhagat Singh and Jatin Das and his field of activity was U.P. and Punjab, with Kanpur, Agra and Lahore as his headquarters. Rajguru was a good shooter and was regarded as the gunman of the party. He took part in various activities of the revolutionary movement, the most important being the murder of British police officer, J. P. Saunders at Lahore in 1928.

Sardar Bhagat Singh, Rajguru and Sukhdev were tried for Saunders' murder. They were convicted and sentenced to death. Rajguru along with his two comrades was hanged in the Lahore jail on the evening of 23rd March, 1931. At the time of his martyrdom, Rajguru was hardly 23 years of age.

Fee Structure for the 1st Year for the Academic Session 2017-18

Schedule of Fee for B.Sc. (H) in Biochemistry/Chemistry/Electronics/Food Technology/Instrumentation .... ₹ 10,620/-
Mathematics/Microbiology/Physics/Statistics/Bachelor of Management Studies (BMS); and B.A. (H) in Psychology
Schedule of Fee for B.Sc. (H) in Biomedical Science .... ₹ 20,620/-
Schedule of Fee for B.Sc. (H) in Computer Science .... ₹ 25,620/-
Schedule of Fee for Bachelor of Business Administration (BBA[FIA]) .... ₹ 21,620/-

(A)	Maintenance Account	₹	₹	(B)	Student's Society Account	₹
1.	Tuition Fees (July-June)		180.00	1.	Games & Sports Fee	1000.00
2.	Magazine Fee		500.00	2.	Function & Cultural Activities Fee	1500.00
3.	Library & Reading Room Fee		1000.00	3.	Student's Aid Fund	100.00
4.	Identity Card Fee		100.00	4.	Security Deposit (Refundable)	500.00
5.	Garden Fee		100.00	5.	Medical Fee	150.00
6.	Water & Electricity Fee		500.00	6.	Development Fee	1500.00
7.	Laboratory Fee		1000.00	7.	Picnic & Excursion Fee	100.00
8.	University Enrolment Fee		200.00	8.	Seminar/Exhibition Fee	300.00
9.	University Athletic Association Fee		50.00	9.	In-house Examination Fee	500.00
10.	University Culture Activities Fees		5.00	10.	Prevention of Sexual Harassment Fee	10.00
11.	University Development Fee		600.00	11.	World University Service Fee	5.00
12.	Computer Laboratory Fee		500.00	12.	Others	0.00
13.	N.S.S. Fund		20.00			
14.	Computer Science B.Sc. (H)	15000.00				
15.	Biomedical Science B.Sc. (H)	10000.00				
16.	Business Administration (BBA[FIA])	11000.00				
17.	University Examination Fee*					
18.	Internet Facility		200.00			
19.	Placement Brochure Fee	200.00	0.00			
	(For Final Year Students only)					
20.	Fine		0.00			
	Total (A)		**4955.00**		**Total (B)**	**4765.00**
	Grand Total (A+B)					**10620.00**

* Coursewise Applicable University Examination Fee for both the semesters to be deposited at the time of admission.

Rules for Refund of Fee on account of Withdrawal/Cancellation of Admission

S.No.	Reason for seeking refund	Quantum of fee to be refunded
1	When a student applies for withdrawal of admission upto 31st July.	Full fee after deduction of Rs. 500/- and full examination fee.
2	When a student applies for withdrawal of admission on or after 1st August till three working days before the last date of admission (including the last day of admission).	Full fee after deduction of Rs. 1000/- and full examination fee.
3	When admission is made inadvertently due to error/omission/commission on the part of the University/College.	Full fee and full examination fee.
4	When cancellation of admission is due to concealment/falsification of facts, submission of false/fake certificates(s), providing misleading information by the student or for any error/mistake on the part of the student.	No fee will be refunded.
5	In case of Migration of a student in III semester from one college to another college (If permissible under the University rules), up to 31st August of the year of migration.	Full fee after deduction of 20% of the total fee and full examination fee.
6	When a student of Self Financing course applies for withdrawal of admission on or before the last date of admission.	Full fee after deduction of Rs. 1000/- and full examination fee.
7	If a student provisionally admitted to a course on declaration of the result of his qualifying examination/compartmental examination becomes ineligible for admission and his/her admission is cancelled.	Full fee after deduction of Rs. 1000/- provided that he/she applies for refund in the same Financial Year.
8	In case a student after his/her admission expires within one month of the last date of admission.	Full fee including examination fee will be refunded to his/her parents.
9	When a student has been allowed to change the course of study in the same college or within the departments of the University.	After adjustment of fees already paid, the student will be required to pay the remaining amount due as prescribed for the new course. In case the student paid in the previous course more than the amount due for the second course, the excess amount will be refunded/adjusted towards further month(s) fees.

₹ 150/-

Shaheed Rajguru College of Applied Sciences for Women
(University of Delhi)
Vasundhara Enclave (Adjoining Chilla Sports Complex), Delhi - 110 096
Phone(s) : 011-22623503, 22623505 • Telefax : 011-22623504
Website : www.rajgurucollege.com

Contents

* Subject to approval from Competent Authority.

Important Dates

Undergraduate Admissions 2017-2018 — Dates at a Glance

Starting Date for Online Registration ....22nd May 2017
Closing Date for Online Registration ....12th June 2017
Notification of First Admission List ....20th June 2017
Commencement of Classes ....20th July 2017
Closing date of Admission ....16th August 2017

Schedule for Announcement of Cut-off lists*, Verification of Documents, Approval of Admission in Colleges and Payment of Admission Fee

Cut-off	Activity	Date
	Online Registration	From Monday, 22nd May 2017 (5.00 pm onwards) to Monday, 12th June 2017 (till 5.00 pm)
First Cut-off	Notification of First Cut-off Marks List by the Colleges	Tuesday, 20th June 2017
	Document verification and approval of admission	Tuesday, 20th June 2017 to Thursday, 22nd June 2017
Second Cut-off	Notification of Second Cut-off Marks List by the Colleges	Saturday, 24th June 2017
	Document verification and approval of admission	Saturday, 24th June 2017 to Wednesday, 28th June 2017
Third Cut-off	Notification of Third Cut-off Marks List by the Colleges	Saturday, 1st July 2017
	Document verification and approval of admission	Saturday, 1st July 2017 to Tuesday, 4th July 2017
Fourth Cut-off	Notification of Fourth Cut-off Marks List by the Colleges (if any)	Friday, 7th July 2017
	Document verification and approval of admission	Friday, 7th July 2017 to Monday, 10th July 2017
Fifth Cut-off	Notification of Fifth Cut-off Marks List by the Colleges (if any)	Thursday, 13th July 2017
	Document verification and approval of admission	Thursday, 13th July 2017 to Saturday, 15th July 2017
Sixth Cut-off	Notification of Sixth Cut-off Marks List by the Colleges (if any)	Tuesday, 18th July 2017
	Document verification and approval of admission	Tuesday, 18th July 2017 to Wednesday 19th July 2017

Note : 1. For document verification and approval of admission, timings will be from 9.30 am till 1.30 pm.
2. After approval of admission, the applicant has to log on to the undergraduate admission portal to make online admission fee payment. This may be done till 12.00 noon of the next day of the given admission list deadline.

---

* The University will announce cut-off policy for merit-based admissions after receiving inputs from various Boards on results moderation.

The further cut-off lists may be declared, depending on the vacant seats in the colleges.

Principal's Message

I welcome you with pride to Shaheed Rajguru College of Applied Sciences for Women, an institute of effective education, learning and character building. At Rajguru, you will find a vibrant, energetic, affable community of student, faculty and staff. In choosing your course of study from 14 streams, you will be able to pursue your interests and aptitudes and develop a holistic personality leading to a career of your choice.

The college offers undergraduate programmes namely B.Sc. (Hons.) in Biochemistry, Biomedical Science, Chemistry, Computer Science, Electronics, Food Technology, Instrumentation, Mathematics, Microbiology, Physics and Statistics; B.A. (Hons.) in Psychology; Bachelor of Business Administration (BBA[FIA]); and Bachelor of Management Studies (BMS). The College has constantly strived to provide an environment conducive to bring out the best in our students. The College has state-of-the-art laboratories in each department and has established itself as a premier scientific institute in India. The College creates an environment which is competitively intense and intellectually satisfying with comprehensive skills in different fields leading to open horizons for creativity. The College is committed to bestowing adequate knowledge to students to train them to think and work logically, develop a spirit of enquiry, inculcate scientific temper, impart skills and make an individual relate knowledge to real life situation wherein value judgment is important in making decision.

We have invested our resources in putting in place modern teaching techniques, internet facilities and related recourses for your most exclusive use. College has a sprawling campus of 9.5 acres with lush green surroundings. Our Campus is Wi-Fi enabled with smart classroom equipped with projection facilities and interactive monitors to make the classes most effective for all students with varied power of understanding and learning. College has open air amphitheater, indoor auditorium, three-floored RFID enabled library, conference room and hostel for nearly 119 students. The College has produced large number of alumni who are severing the nation with distinction in various fields. Our Alumni have reached the high echelons in various industries, securing challenging and highly paid positions in top ranking companies/ organizations in India and abroad.

Dear Students, an exciting phase of your college life is just about to begin. Here in college you will make lifelong friends, compete to excel and learn your first lesson about life. This is the time when you will lay a foundation for a good life, great career and success but always remember that character development and leadership are just as important as academic results. Welcome and best wishes for this new phase of your life.

Dr. Payal Mago
Principal

Shaheed Rajguru College of Applied Sciences for Women affiliated to University of Delhi and funded by Govt. of NCT of Delhi, was established in the year 1989. The College offers B.Sc. (Hons.) in Biochemistry, Biomedical Science, Chemistry, Computer Science, Electronics, Food Technology, Instrumentation, Mathematics, Microbiology, Physics and Statistics; B.A. (Hons.) in Psychology; Bachelor of Business Administration (BBA[FIA]); and Bachelor of Management Studies (BMS). These courses provide the platform where the students are equipped with essential and practical knowledge to face the challenging positions worldwide. The college has about 1,000 students at present hailing from different parts of the country.

The college has well-qualified and competent faculty. An important aspect of teaching process is the ability to learn, unlearn and relearn. The teaching philosophy in the college is that the difference between the teacher and the taught has to be dissolved; the teacher and the taught are part of one process. The college has efficient support staff responsible for the smooth functioning of various laboratories and administrative work in the college.

Besides regular courses college conducts short term workshops and lectures in various disciplines. The college in collaboration with CISCO runs a CISCO networking academy and prepares the students for CCNA industry certification. The college also has an Indira Gandhi Open National University (IGNOU) centre for PG Diploma in Library Automation and Networking (PGDLAN).

The college gives its students opportunity to excel in sports and co-curricular activities as well. There are various societies in the college like Mukhauta (Street play society), Aharyaa (Dance society), Philyra (Music society), Elvira (Fine arts society), Shuffle Shots (Photography club), Glamfire (Fashion society), Inklings (Literary society), Eco club, Movie club, Robotics club, Youth Parliament and NSS.

Our Vision

To emerge as one of the world's leading institute through continuing to the highest academic standards by forging strong industry-academia bond and playing a pioneering role in research & development, so as to serve society by way of shaping professionals to conquer the present and future challenges to the socio-economic fabric of our society by dissemination of relevant knowledge through structured learning system.

Our Mission

To build & nurture a new generation of well-rounded professionals who can work as positive change agents in the new millennium.

It will be our endeavour to assimilate and disseminate practical strategies to future professionals and to encourage their understanding of strategic perception to fulfill the mission of the organisation in the fast changing global environment.

Admission Procedure

Academic Qualifications

(a) The candidate should have passed or have appeared in March / April 2017 in Senior Secondary School Examination of CBSE or any other examination considered equivalent by the University of Delhi.

(b) Compartment cases of current session will not be considered for admission.

(c) Prospectus can be obtained on all working days (Monday through Friday) between 9.00 a.m. to 1:30 p.m. from the college office on payment (non-refundable) at the counter in cash.

Documents Required

The original Certificates and two sets of self-attested photocopies of the following documents have to be submitted at the time of admission :

1. Printout of Admission Form of University of Delhi submitted online.
2. Class 10th Board Examination Certificate as evidence of date of birth.
3. Class 10th Marks-sheet.
4. Class 12th Marks-sheet.
5. Class 12th Provisional / Original Certificate.
6. Character Certificate (recent) from the institution last attended.
7. SC/ST/PwD/CW/KM Certificate (in the name of the candidate) issued by the competent authority.
8. OBC (Non-Creamy Layer) Certificate (in the name of the candidate) as in Central List.
9. Transfer Certificate from the School / College as well as Migration Certificate from Board / University are required from those students who have passed Senior Secondary Examination from outside Delhi.
10. Five passport size self-attested photographs.

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

Children / Widows of armed personnel killed / disabled in action during the hostilities, J & K migrants

The candidates falling in any of the above categories are required to register themselves for admission with University of Delhi as per the modalities laid down by the University.

Reservation of Seats

a) 22.5% seats are reserved for SC / ST candidates (SC 15 % and ST 7.5 %, interchangeable, if necessary); b) 5% seats are reserved for the Children / Widows of armed personnel killed / disabled in action during the hostilities (CW) (Supernumerary Seats); c) 27% seats are reserved for OBC candidates (Non-Creamy layer, Central List); and d) 5% seats are reserved for the Persons with Disabilities (PwD) candidates (Supernumerary Seats).

Guidelines for Admission on the Basis of Excellence in Sports

The College offers admission in sports category for various sports as mentioned below. There are total of (14) Fourteen seats available in sports category. Trials will be conducted by University of Delhi as per the guidelines and notifications available on University's website www.du.ac.in. The number of candidates to be selected per game would depend on the skill and merit of the candidate and also the positional requirement in the team.

Sportspersons, indicated in the following sports listed in the table for specific games/positions, may be selected merit wise after clearing the Fitness Test, Certificate Scrutiny and Relevant Game Selection Trial, depending on the academic course requirement of the candidate.

S. No.	Game	Positions	S. No.	Game	Positions
1.	Athletics	Sprinters, Middle / Long Distance Runners, Throwers and Jumpers	2.	Badminton	Singles & Doubles
3.	Basketball	All Positions	4.	Boxing	In all Weight Categories (W)
5.	Chess	Good Players	6.	Gymnastics	Good Players
7.	Fencing	Good Players	8.	Football	All Positions
9.	Judo	In all weight Categories (W)	10.	Lawn Tennis	Good Players
11.	Shooting	Good shooters	12.	Swimming	Good Swimmers
13.	Squash	Good Players	14.	Table Tennis	Good Players
15.	Taekwondo	In all Weight Categories (W)	16.	Volleyball	Setter, Hitter, Libero, Defensive Players
17.	Weightlifting	In all Weight Categories (W)	18.	Yoga	Good Players

- An undertaking shall be submitted by the selected candidates at the time of admission on Judicial Stamp Paper of Rs 100/- stating that "She will play for college and university during her complete stay in the undergraduate course."

- A medical fitness certificate shall be submitted by the selected candidates from government hospital/ Registered Medical Practitioner.

ECA Quota Admissions

The college offers admissions in ECA (Extra Curricular Activities) category in the field of dance, music (both vocal and instrumental), dramatics (street play), NSS, etc. There are total of (13) Thirteen seats for ECA quota. Students selected under this quota will have to necessarily become member of the respective college societies and will have to represent college as and when required. Students selected under this quota will have to sign an undertaking accepting these terms and conditions of the college.

Eligibility Criteria

Course	Requirement of Subjects Studied and Passed	Basis of Selection and Eligibility Conditions
B. Sc. (Hons.) Biochemistry	Chemistry, Biology / Biotechnology and Physics / Mathematics i.e. PCB or CBM	Students having at least 55% in PCB or CBM (Theory and Practical together). At least 50% marks in English (compulsory subject).
B. Sc. (Hons.) Biomedical Science	Physics, Chemistry, Biology / Biotechnology	Students having at least 55% in PCB / BT. At least 50% marks in English (compulsory subject). Students having Mathematics (at least 60% marks) will be given an advantage of 3% over and above their PCB / BT aggregate.
B. Sc. (Hons.) Chemistry, Physics Instrumentation and Electronics	Physics, Chemistry, Mathematics	The overall percentage in PCM should be 55% and marks in one compulsory language should be 50%. Selection will be made on the basis of aggregate marks in 3 subjects mentioned in column 2.
B. Sc. (Hons.) Computer Science	Mathematics, one language and two other subjects listed as academic subjects (List A)	Student should have 60% or more marks in Mathematics and should have 60% or more in aggregate of four subjects as listed in column 2. Selection will be made on the basis of best four academic subjects including one language, Mathematics and two subjects out of Physics, Chemistry and Computer Science / Informatics Practices. For other streams : one Language, Mathematics with two academic subjects with a deduction of 2%.
B. Sc. (Hons.) Food Technology	Physics, Chemistry, Mathematics / Biology / Biotechnology	Selection will be made on the basis of PCM / PCB/BT whichever is higher & marks in one compulsory language (i.e. English) should be 50%. 3% relaxation for candidates having PCMB subjects.
B. Sc. (Hons.) Mathematics and Statistics	Mathematics, one language and two other subjects listed as academic subjects (List A)	50% marks in Mathematics and an aggregate of 45% in the qualifying examination. The merit shall be determined on the basis of one language, Mathematics & two best academic / elective subjects (List A).
B. Sc. (Hons.) Microbiology	Physics, Chemistry and Biology / Biotechnology	Students having at least 55% in PCB (Theory and Practical together). At least 50% marks in English (compulsory subject).
B. A. (Hons.) Psychology	One language and three other academic subjects (List A)	Minimum aggregate of 45% marks in qualifying exam. The merit shall be determined on the basis of one language and three academic / elective subjects.
B. B. A. [FIA] (Bachelor of Business Admn.)	Mathematics, one language (English) and two other academic subjects (List A)	Entrance Examination Ranking / GD Result
B. M. S. (Bachelor of Business Mgmt.)	Mathematics, one language (English) and two other academic subjects (List A)	Entrance Examination Ranking / GD Result

List A (Academic / Elective Subjects)

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

Core Departments

Department of Biochemistry

Biochemistry department of college has been functioning in the college since inception of the college as supporting department. Biochemistry is taught as one of the papers to the departments of other disciplines like Food Technology, Instrumentation and Electronics. This year college is starting B.Sc. (Hons) Biochemistry with intake of 32 students.

The department is situated on the ground floor in academic block. Biochemistry lab is well equipped with basic and advanced instruments ranging from weighing balance, PH metre to UV visible spectrophotometer and refrigerated centrifuges, to perform all kinds of experiments required for curriculum of undergraduate student of Biochemistry The lab is also involved in conducting research in the form of innovation projects.

Spectroscopy and chromatography form the building blocks for the students in polishing their skills for industry as well as research. Biochemistry laboratory has BOD incubator, Fraction collectors, Centrifuges, UV Visible Spectrophotometer, Electrical and Analytical Balance. It is also equipped with Lyophillizer, Vacuum Dessicator, Hot Air Oven, Universal Oven, Electrophoretic Apparatus, Magnetic Stirrer, Chromatography Chamber, Electric Tissue Grinder, Spectrophotometer and pH Meter.

B.Sc. (Hons.) Biochemistry

SEMESTER 1	SEMESTER 2
C-I : Molecules of Life C-II : Cell Biology AECC-I : English/MIL Communication or EVS GE-I : Generic Elective	C-III : Proteins C-III : Enzymes AECC-II : EVS or English/MIL Communication GE-II : Generic Elective
SEMESTER 3	SEMESTER 4
C-V : Metabolism of Carbohydrates and Lipids C-VI : Membrane Biology and Bioenergetics C-VII : Hormone – Biochemistry and Function SEC-I : Skill Enhancement Course GE-III : Generic Elective	C-VIII : Human Physiology C-IX : Gene Organisation, Replication and Repair C-X : Metabolism of Amino Acids and Nucleotides SEC-II : Skill Enhancement Course GE-IV : Generic Elective
SEMESTER 5	SEMESTER 6
C-XI : Concepts in Genetics C-XII : Gene Expression and Regulation DSE-I : Discipline Specific Elective DSE-II : Discipline Specific Elective	C-XIII : Genetic Engineering and Biotechnology C-XIV : Immunology DSE-III : Discipline Specific Elective DSE-IV : Discipline Specific Elective

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

Generic Elective Papers
(Any one per Semester in Semesters I-IV)

1. Biochemistry of Cell
2. Proteins and Enzymes
3. Intermediary Metabolism
4. Gene Organisation, Expression and Regulation
5. Fundamentals of Cell Biology and Immunology
6. Fundamentals of Genetic Engineering
7. Biochemical Correlations in Diseases

Skill Enhancement Course
(Any one per Semester in Semesters III-IV)

1. Tools and Techniques in Biochemistry
2. Protein Purification Techniques
3. Clinical Biochemistry
4. Bioinformatics
5. Recombinant DNA Technology

Discipline Specific Elective
(Any two per Semester in Semesters V-VI)

1. Nutritional Biochemistry
2. Research Methodology
3. Molecular Basis of Non-infectious Human Diseases
4. Molecular Basis of Infectious Diseases
5. Research Project
6. Advanced Cell Biology
7. Plant Biochemistry
8. Basic Microbiology

Department of Biomedical Science

Biomedical Science refers to the application of biology-based-science for medical use. B. Sc. (Hons.) Biomedical Science is a three year undergraduate programme that was started in Shaheed Rajguru of Applied Sciences for Women in 2005 with the objective to provide a strong platform in a wide range of medically related disciplines like human physiology, genetics, biochemistry, immunology, pathology and microbiology.

Subjects like bioinformatics, biophysics, toxicology, statistics, biotechnology, computational biology and medicinal chemistry in the curriculum makes this truly interdisciplinary which is the need for research in present scenario. The Deptt. has state of the art laboratory facilities with latest equipments including thermocycler, UV spectro-photometer, gel electropho-resis units, centrifuges, incubators, shakers, autoclaves, and rotary vacuum, laminar flows which aptly supplement the theoretical knowledge with of the subjects with relevant hands on training.

The Biomedical Sciences Department has students' society "Chimera" which organises seminars and interactive sessions with eminent academicians and entrepreneurs to keep them abreast with latest research developments. An annual departmental scientific fest, "Plexus" is also organised to celebrate science, in which students are encouraged to participate, discuss and express for their overall personality development. The department regularly organizes conferences & workshops.

The department faculty is actively involved in research. The department has funding of six DU Innovation projects, in the past year, which involves participation of undergraduate students in short-term research projects. Visits to various reputed research laboratories like RCB, Dabur, NBRC and ICGEB are also organised.

The Biomedical Science course equips the students with knowledge and transferable skills

necessary for a career in research in both basic and applied sciences. The students graduating from this course join pharmaceutical companies and pursue higher education in reputed institutes like TIFR, Indian Institute of Science (IISc), NII, Jawaharlal Nehru University (JNU) to name a few. The course also provides avenues for self-employment such as establishing a diagnostic laboratory, freelance license inspector for pollution control in industries, setting up of a biotechnology unit for production of commercially available products, besides endless vistas for those interested in research in the any field of applied biology.

B.Sc. (Hons.) Biomedical Science

SEMESTER 1	SEMESTER 2
C1 BMS-101 : Bioorganic Chemistry C2 BMS-102 : Cell and Radiation Biology AECC1 : English/MIL Communication or EVS GE1 : Generic Elective	C3 BMS-201 : Principles of Genetics C4 BMS-202 : Human Physiology & Anatomy I AECC2 : EVS or English/MIL Communication GE2 : Generic Elective
SEMESTER 3	SEMESTER 4
C5 BMS-301 : Biochemistry C6 BMS-302 : Human Physiology & Anatomy II C7 BMS-303 : Medical Microbiology SEC1 : Skill Enhancement Course GE3 : Generic Elective	C8 BMS-401 : Immunobiology C9 BMS-402 : Molecular Biology C10 BMS-403 : Medicinal Chemistry SEC2 : Skill Enhancement Course GE4 : Generic Elective
SEMESTER 5	SEMESTER 6
C11 BMS-501 : Biophysics C12 BMS-502 : Pharmacology DSE1 : Discipline Specific Elective DSE2 : Discipline Specific Elective	C13 BMS-601 : Human Pathology C14 BMS-602 : Toxicology DSE3 : Discipline Specific Elective DSE4 : Discipline Specific Elective

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

GE 1-4   : Generic Electives
(any one per semester in semesters 1-4)

BMS-G1   : Basics of Immunology
BMS-G2   : Biological Chemistry
BMS-G3   : Biosafety and Bioethics
BMS-G4   : Biostatistics
BMS-G5   : Bridging Information Technology and
               Biotechnology
BMS-G6   : Concepts in Biotechnology
BMS-G7   : Concepts in Medicinal Chemistry and Drug
               Development
BMS-G8   : Intellectual Property Rights (IPR) for Biologists
BMS-G9   : Pathological Basis of Diseases
BMS-G10 : Pharmacology and Toxicology
BMS-G11 : Tools and Model Organisms in Biomedical
               Research

SEC 1-2   : Skill Enhancement Courses
(any one per semester in semesters 3-4)

BMS-S1   : Methods in Epidemiological Data Analysis (EDA)
BMS-S2   : Medical Laboratory Diagnostics (MLD)
BMS-S3   : Techniques for Forensic Science
BMS-S4   : Tools in Modern Biology

DSE 1-4   : Discipline Specific Elective
(any two per semester in semesters 5-6)

BMS-A   : Computational Biology and Drug Discovery
BMS-B   : Genome Organization and Function
BMS-C   : Human Genetics
BMS-D   : Medical Biochemistry
BMS-E   : Medical Biotechnology
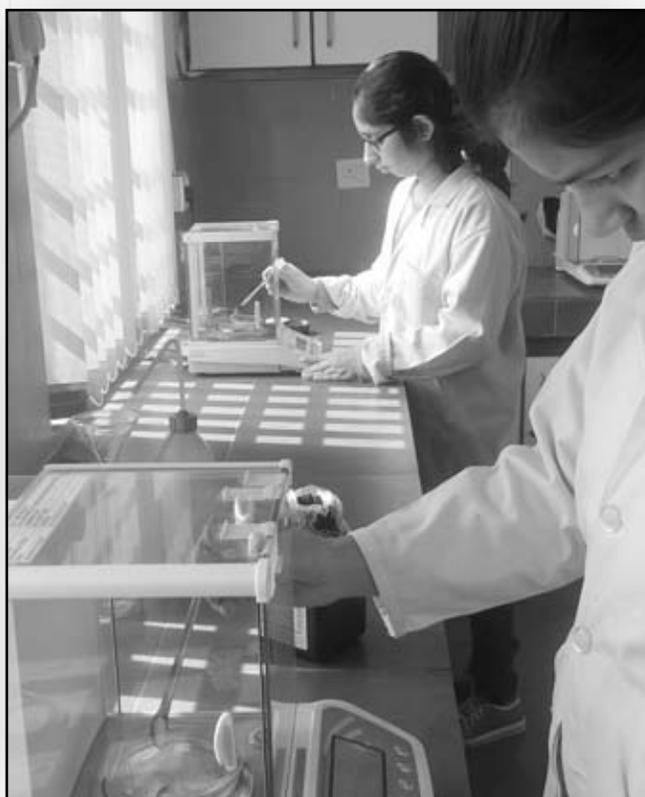BMS-F   : Project Work (can be chosen only in semester 6)

Department of Chemistry

The Department of Chemistry conducts B.Sc. (Hons.) Chemistry, a three-year programme consisting of six semesters. The department is located on the ground floor and has three well-equipped laboratories including a research laboratory. The laboratories cater to three broad branches of chemistry viz. inorganic, organic and physical chemistry. The laboratories also cater to the chemistry papers of other departments. Several research projects including Innovation projects have been carried out in the research laboratory.

The labs are well equipped with various instruments like uv-vis spectrophotometer, electronic balances, centrifuge-microprocessor based, 16,000 rpm, magnetic stirrers with hot plate, vortex shaker, rotary vacuum pumps, digital pH meter, digital and electric melting point apparatus, distillation units, fume hood etc.

Students of the department actively participate in various extracurricular activities and are members of different societies. Besides, time to time they attend national level conferences and seminars to keep themselves abreast in various recent innovations and developments in the field.

The Department has a vibrant chemical society "Alchemy" where students and teachers interact beyond classroom. The society organises popular lectures on regular basis to enrich its members with latest developments across the globe.

Department of Chemistry

B.Sc. (Hons.) Chemistry

SEMESTER 1	SEMESTER 2
AECC-I : English/MIL Communication or EVS Core Course-I : Inorganic Chemistry-I Core Course-II : Physical Chemistry-I Core Course-I Practical : Inorganic Chemistry-I Lab Core Course-II Practical : Physical Chemistry-I Lab Generic Elective-1	AECC-II : EVS or English/MIL Communication Core Course-III : Organic Chemistry-I Core Course-IV : Physical Chemistry-II Core Course-III Practical : Organic Chemistry-I Lab Core Course-IV Practical : Physical Chemistry-II Lab Generic Elective-2

SEMESTER 3	SEMESTER 4
Core Course-V : Inorganic Chemistry-II Core Course-VI : Organic Chemistry-II Core Course-VII : Physical Chemistry-III Core Course-V Practical : Inorganic Chemistry-II Lab Core Course-VI Practical : Organic Chemistry-II Lab Core Course-VII Practical : Physical Chemistry-III Lab Skill Enhancement Course-1 Generic Elective-3	Core Course-VIII : Inorganic Chemistry-III Core Course-IX : Organic Chemistry-III Core Course-X : Physical Chemistry-IV Core Course-VIII Practical : Inorganic Chemistry-III Lab Core Course-IX Practical : Organic Chemistry-III Lab Core Course-X Practical : Physical Chemistry-IV Lab Skill Enhancement Course-2 Generic Elective-4

SEMESTER 5	SEMESTER 6
Core Course-XI : Organic Chemistry-IV Core Course-XII : Physical Chemistry-V Discipline Specific Elective-1 Discipline Specific Elective-2 Core Course-XI Practical : Organic Chemistry-IV Lab Core Course-XII Practical : Physical Chemistry-V Lab Discipline Specific Elective-1 Practical Discipline Specific Elective-2 Practical	Core Course-XIII : Inorganic Chemistry-IV Core Course-XIV : Organic Chemistry-V Discipline Specific Elective-3 Discipline Specific Elective-4 Core Course-XIII Practical : Inorganic Chemistry-IV Lab Core Course-XIV Practical : Organic Chemistry-V Lab Discipline Specific Elective-3 Practical Discipline Specific Elective-4 Practical

Core Papers
1. Inorganic Chemistry I : Atomic Structure & Chemical Bonding
2. Physical Chemistry I : States of Matter & Ionic Equilibrium
3. Organic Chemistry I : Basics and Hydrocarbons
4. Physical Chemistry II : Chemical Thermodynamics and its Applications
5. Inorganic Chemistry II : s-and p-Block Elements
6. Organic Chemistry II : Oxygen Containing Functional Groups
7. Physical Chemistry III : Phase Equilibria and Electrochemical Cells
8. Inorganic Chemistry III : Coordination Chemistry
9. Organic Chemistry III : Heterocyclic Chemistry
10. Physical Chemistry IV : Conductance & Chemical Kinetics
11. Organic Chemistry IV : Biomolecules
12. Physical Chemistry V : Quantum Chemistry & Spectroscopy
13. Inorganic Chemistry IV : Organometallic Chemistry
14. Organic Chemistry V : Spectroscopy

Discipline Specific Elective Papers (Credit : 06 each) (4 papers to be selected)
DSE 1 : Any one of the following :
1. Novel Inorganic Solids
2. Inorganic Materials of Industrial Importance
DSE 2-4 : Choose any three of the following :
1. Applications of Computers in Chemistry
2. Analytical Methods in Chemistry
3. Molecular Modelling & Drug Design
4. Polymer Chemistry
5. Research Methodology for Chemistry
6. Green Chemistry
7. Industrial Chemicals & Environment
8. Instrumental Methods of Analysis
9. Dissertation

Other Discipline : GE 1 to GE 4
1. Mathematics
2. Physics
3. Computer Science

Skill Enhancement Courses
1. IT Skills for Chemists
2. Basic Analytical Chemistry
3. Chemical Technology & Society
4. Chemoinformatics
5. Business Skills for Chemists
6. Intellectual Property Rights
7. Analytical Clinical Biochemistry
8. Green Methods in Chemistry
9. Pharmaceutical Chemistry
10. Chemistry of Cosmetics & Perfumes
11. Pesticide Chemistry
12. Fuel Chemistry

Generic Elective Papers (any four) for other Departments/Disciplines
1. Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons
2. Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I
3. Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry-II
4. Chemistry of s-and p-block elements, States of matter and Chemical Kinetics
5. Chemistry of d-block elements, Quantum Chemistry and Spectroscopy
6. Organometallics, Bioinorganic chemistry, Polynuclear hydrocarbons and UV, IR, Spectroscopy
7. Molecules of life

At least two mathematics papers are compulsory for admission to M.Sc. (Chemistry) in Delhi University.

Department of Computer Science

The Department conducts B.Sc. (Hons.) Computer Science which is a three year program consisting of six semesters. The students are given exposure in the field of DBMS, Computer Networks, Software Engineering, Unix Scripting, Computer Graphics, Algorithms, Information Security, Data Mining and Internet Technologies. In this course the students are imparted programming skills in C++, application of C++ in Data Structure, Network Programming. The curriculum provides extensive Laboratory sessions where students implement the concepts which they learn in theory. This course provides tremendous employment opportunities in industries at graduation level and the students expertise in the field of programming, web designing, internet technologies, etc. Over the past few years the department has provided excellent infrastructure for executing software skills using the latest software development tools and technologies. The department has 5 well equipped ICT enabled labs with :

- About 150 computers with latest computer configuration – Intel core i7, 3.4 GHz processors with 4 GB RAM, 64 bit operating System with Wi-Fi connectivity;
- 3 High-end HP servers and Laptops;
- A good combination of Licensed Software and Free/Open Source Software to enrich student practical experience;
- 4 color laser printer, 20 laser printers and 10 scanners; and
- Each lab has LCD projectors which are used as a teaching aid for seminars and presentations.

It has latest software like Turbo C++, Oracle 10Gi, Strawberry Prolog, Multimedia Tools, Red Hat Linux, Visual Studio, Developer 2000, Windows NT server, Fortran 90 etc. To enhance the spirit of research work among students the labs are equipped with internet facility to provide e-journals to the students. Laboratory network is further equipped with CISCO 2900 series routers, CISCO 1900 switches 24 Port full Duplex, Bay stack 425 24 T switches, 16 port hubs, cable testers etc.

Computer Science Department has one specialized CCNA (Cisco Certified Network Associate) Lab as well where students are given hands-on training about CISCO routers, switches, bridges etc. Department also has various utility rooms like programmer room, server room, departmental library, UPS room, teaching rooms and technical staff room. Department has skilled lab staff which includes a Scientific Assistant, Technical Assistant, Lab Assistants and Lab Attendants to manage the lab work efficiently.

B.Sc. (Hons.) Computer Science

SEMESTER 1	SEMESTER 2
C-I : Programming Fundamentals using C++ C-II : Computer System Architecture AECC-I : English/MIL Communication or EVS GE-I	C-III : Programming in JAVA C-IV : Discrete Structures AECC-II : EVS or English/MIL Communication GE-II
SEMESTER 3	**SEMESTER 4**
C-V :Data Structures C-VI : Operating Systems C-VII : Computer Networks SEC-I : Android Programming GE-III	C-VIII : Design and Analysis of Algorithms C-IX : Software Engineering C-X : Database Management Systems SEC-II : PHP Programming GE-III
SEMESTER 5	**SEMESTER 6**
C-XI : Internet Technologies C-XII : Theory of Computation DSE-I DSE-II	C-XIII : Artificial Intelligence C-XIV : Computer Graphics DSE-III DSE-IV

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

Discipline Specific Elective Papers : (Credit : 06 each)

DSE-I (any one)

a) System Programming
b) Numerical Methods
c) Operational Research for Computer Science

DSE-II (any one)

a) Microprocessor
b) Modeling and Simulation
c) Advanced Algorithms

DSE-III (any one)

a) Machine Learning
b) Introduction to Data Sciences
c) Combinatorial Optimization

DSE-IV (any one)

a) Digital Image Processing
b) Data Mining
c) Project Work / Dissertation

General Elective Papers (GE)
(Minor - Computer Science) for other
Departments / Disciplines : (Credit : 06 each)
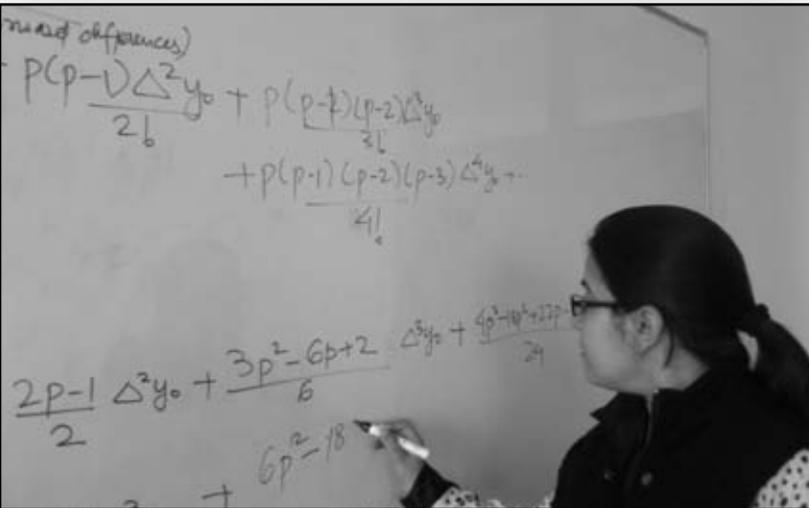
GE-I   Introduction to Programming

GE-II   Introduction to Database Systems

GE-III Computer Networks and Internet Technologies

GE-IV Information Security & Cyber Laws

Department of Electronics

The Department of Electronics has seen considerable growth since its inception in 1989. The vision and aim of the department is to harbour a sustainable, and continuously evolving scientific and educational environment which is needed to address the growing challenges of tomorrow. The Department has Circuit and Networks, Digital and Analog, Communication, Microprocessor, Optoelectro-nics and Electronics Simulation Laboratories. These laboratories are equipped with storage oscilloscopes, function generators, power supplies, multi meters, sophisticated 8085/8086 microprocessor trainer kits etc. and latest software like Multisim, VHDL etc., these equipments and experimentation work lead to perfect understanding of curriculum in electronics. The Department has a small library/book club and a reading room. Students use its facility during practical's and otherwise. The Department has about 45 systems with Internet facility available for both staff and students to access web.

The Department regularly organizes seminars, workshops and training programs to keep pace with the new developments and recent trends in relevant technologies. To enable students to develop skills to solve complex technological problems and also for promoting collaborative and multidisciplinary activities, many of our students and faculty worked on innovation projects funded by University of Delhi. Department also promote value based education by supporting students to involve in community services as a social responsibility. Annually a technical fest "Electromania" is organized by department's student council.

Department of Electronics

B.Sc. (Hons.) Electronics

SEMESTER 1	SEMESTER 2
C-I : Basic Circuit Theory and Network Analysis C-II : Mathematics Foundation for Electronics AECC-I : English/MIL Communication or EVS GE-I	C-III : Semiconductor Devices C-IV : Applied Physics AECC-II : EVS or English/MIL Communication GE-II
SEMESTER 3	**SEMESTER 4**
C-V : Electronic Circuits C-VI : Digital Electronics and Verilog C-VII : C Programming and Data Structures SEC-I GE-III	C-VIII : Operational Amplifiers and Applications C-IX : Signals and Systems C-X : Electronic Instrumentation SEC-II GE-IV
SEMESTER 5	**SEMESTER 6**
C-XI : Microprocessors and Microcontrollers C-XII : Electromagnetics DSE-I DSE-II	C-XIII : Communication Electronics C-XIV : Photonics DSE-III DSE-IV

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

Discipline Specific Electives (DSE) (Credit : 06 each) (4 papers to be selected) DSE I-IV
1. Power Electronics (4+4)
2. Numerical Analysis (4+4)
3. Modern Communication Systems (4+4)
4. Semiconductor Fabrication and Characterization (4+4)
5. Electrical Machines (4+4)
6. Basic VLSI Design (4+4)
7. Digital Signal Processing (4+4)
8. Control Systems (4+4)
9. Computer Networks (4+4)
10. Nanoelectronics (4+4)
11. Embedded Systems (4+4)
12. Biomedical Instrumentation (4+4)
13. Transmission Lines, Antenna & Wave Propagation (4+4)
14. Dissertation (4+4)

Skill Enhancement Course (SEC) (02 papers) (Credit : 02 each) SEC-I to SEC-II
1. Design and Fabrication of Printed Circuit Boards (4)
2. Robotics (4)

3. Mobile Applications Development (4)
4. Internet Technologies (4)
5. Programming with LabVIEW (4)

Other Discipline GE-I to GE-IV
1. Mathematics
2. Computer Science
3. Physics
4. Biomedical Science
5. Chemistry
6. Commerce
   Any other discipline of Choice

Generic Elective Papers (GE) for other Departments/Disciplines (Credit : 06 each)
1. Electronic Circuits and PCB Designing (4+4)
2. Digital System Design (4+4)
3. Instrumentation (4+4)
4. Practical Electronics (4+4)
5. Communication Systems (4+4)
6. Microprocessor and Microcontroller Systems (4+4)
7. Consumer Electronics (4+4)

Department of Food Technology

The department offers B.Sc. (Hons.) in Food Technology. The main department is located on ground floor and the pilot plants are in the basement area. There are seven main labs viz. analytical lab 1 and 2, food microbiology lab, food and nutrition lab, sensory evaluation lab, food engineering lab and analytical instru-mentation lab.

There are additional rooms for culture inoculation, sample weighing and sample digestion equipped with laminar flow chamber, electronic balances and digestion facilities respectively. The pilot plant I houses bakery and ice-cream unit and pilot plant II houses canning unit, dehydration unit, fluidized bed freezer and deep freezer. The departmental library has reference books, project reports and product development literature with computers and internet facilities for the students.

The analytical labs have moisturometer, bursting strength tester, vacuum oven, brookfield viscometer (digital and analog), Abbes refracto-meter, penetrometer, hydrometer, soxhlet unit, uv visible spectrophotometer, dehydrator, muffle furnace, polarimeter, Lovibond tintometer, Kjeldahl unit, Ball mill, vacuum evaporator, Cobb tester, vacuum packaging machine, fermenter, Digital microscope and RM-PV estimation assembly. Bakery unit has planetary mixer, baking ovens, dough kneader, bread slicer, dough sheeter, bun cutter, sugar grinding mill, kitchen aid mixer etc. Microbiology lab has autoclave, incubators, binocular microscopes, BOD incubator, air sampler, Millipore filtration assembly, laminar air flow chamber, electronic colony counters etc.

The advanced facilities include HPLC system, texture analyzer, atomic absorption spectro-photometer, rancimat, fat analyser, protein analyser, Reverse Osmosis plant and SO_2 estimation assembly.

B.Sc. (Hons.) Food Technology

SEMESTER 1	SEMESTER 2
CI : Fundamentals of Food Technology CII : Principles of food Science AECC-I : English/MIL Communication or EVS GE-I*	CIII : Technology of Food Preservation C-IV : Food Processing Technology AECC-II : English/MIL Communication or EVS GE-I*
SEMESTER 3	**SEMESTER 4**
C-V : Food and Nutrition C-VI : Tech. of Fruits, Vegetables & Plantation Crops C-VII : Technology of Dairy and Sea Foods SEC-I* GE-III*	C-VIII : Technology of Cereals, Pulses and Oilseeds C-IX : Food Microbiology C-X : Technology of Meat, Poultry and Egg SEC-II* GE-IV*
SEMESTER 5	**SEMESTER 6**
C-XI : Food Engineering C-XII : Food Chemistry-I DSE-I* DSE-II*	C-XIII : Food Chemistry-II C-XIV : Food Quality and Sensory Evaluation DSE-III* DSE-IV*

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

*Any 4 DSE, 2 SEC and 4 GE to be picked up by the student.

Discipline Specific Elective (Any four)
Credits : 4+2 (4 Period Theory
and 4 Period Practical per Week)

1. Food Safety
2. Food Quality Management
3. Bakery Technology
4. Food Packaging
5. Nutraceutical and Functional Foods
6. Food Plant Sanitation

Generic Elective (Any four)
Credits : 4+2 (4 Period Theory and
4 Period Practical per Week)

1. Food Processing and Preservation
2. Chemistry of Food
3. Sensory Evaluation of Food
4. Food Microbiology and Food safety
5. Food Engineering and Packaging
6. Technology of Plant and Animal Foods

Skill Enhancement Elective (Any two)
Credits : 2 (2 Period Theory + 4 Period Practical per
Week or 1 Period theory + 2 Period Practical per Week)

1. Entrepreneurship Development
2. Food Product Development
3. Food Fermentation Technology
4. Confectionary Technology
5. Project and Technical Report

Department of Instrumentation

The Department has developed modern research facility and infrastructure to support the teaching and research activities. The department has five major laboratories based on curriculum : Analytical Instrumentation Laboratory supported by a Wet Laboratory, Biomedical Instrumentation Laboratory, Electronics Instrumentation & Electrical Machine Laboratory, Microprocessor Lab and Industrial Instrumentation Laboratory.

The Analytical laboratory is well equipped with HPLC, GLC, Karl Fischer Titrator, pH meter, UV-Vis Spectrophotometer, Photometer, Flame Photometer, FTIR Spectrophotometer, and Rotary Vacuum Evaporator. The Biomedical laboratory has biomedical kits which are used to measure EEG, ECG, EMG, pulse rate, respiration rate etc. The lab also has ELISA reader, Biochemistry Analyzer, Biomedical Scanner, PCR machine, Blood cell counter and ultrasound machine. Electronics Instru-mentation and Electrical Machine Laboratory have various equipments like series and shunt DC Motors, induction motors, etc. Micro-processor lab is equipped with 8085 kits to train students for programming and designing new projects. Industrial Instrumentation lab has instruments like orifice meter, DC calibration meter, level transmitter, Ultrasonic flow meter, ratio controller, pressure gauge calibrator, magnetic flow meter, circular chart recorder etc.

The department organised a 7-day short course on PLC and SCADA in May, 2016. It also organised industrial visit to CSIO, Chandigarh in April, 2017 besides organising various invited lectures wherein eminent people from industry and academia were invited to update students about the latest development in this field.

The Department in collaboration with Department of Electronics organised the Second National Conference on Recent Trends in Instrumentation and Electronics (RTIE-2016) in October, 2016 and completed three innovation projects funded by University of Delhi.

The Department organises invited lectures and seminars on regular basis like "Seminar on Virtual Instrumentation" held in September 2016, Distinguished Lecturer Talk on "CMOS Transistors – Operation, Scaling, Reliability and Way Forward" in January 2017 and Talk cum Placement Drive on "Evolution in Modern Technologies" in February 2017 in which three students from the department got selected as Trainee Engineers in Tevatron Technologies.

B.Sc. (Hons.) Instrumentation

SEMESTER 1	SEMESTER 2
C-I : Basic Electronics and Network Analysis C-II : Applied Physics AECC-I : English/MIL Communication or EVS GE-I	C-III : Analog Devices and Circuits C-IV : Transducers and Sensors AECC-II : EVS or English/MIL Communication GE-II
SEMESTER 3	SEMESTER 4
C-V : Biomedical Instrumentation C-VI : Digital Electronics and Verilog C-VII : Engineering Mathematics SEC-I GE-III	C-VIII : Operational Amplifiers and Applications C-IX : Analytical Instrumentation C-X : Electronic Instrumentation SEC-II GE-IV
SEMESTER 5	SEMESTER 6
C-XI : Measurement Technology C-XII : Microprocessor DSE-I DSE-II	C-XIII : Power Electronics C-XIV : Control Systems DSE-III DSE-IV

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

Discipline Specific Electives (DSE) (Credit : 06 each)
(4 papers to be selected) DSE I-IV

1. Concepts of Chemistry (4+4)
2. Signal and Systems (4+4)
3. Advanced Analytical Instrumentation (4+4)
4. Communication System (4+4)
5. Advanced Biomedical Instrumentation (4+4)
6. Embedded System and Robotics (4+4)
7. Process Control Dynamics (4+4)
8. Reliability and Quality Control Techniques (4+4)
9. Dissertation (4+4)

Skill Enhancement Course (SEC) (Credit : 02 each)
(2 papers to be selected) SEC-I & SEC-II

1. Programming in C (4)
2. VLSI Design and Verification (4)
3. Testing and Calibration (4)
4. PLC and SCADA (4)
5. Virtual Instrumentation (4)
6. Programming using MATLAB (4)

Other Discipline GE-I to GE-IV

1. Mathematics
2. Computer Science
3. Physics
4. Biomedical Science
5. Chemistry
6. Electronics
7. Commerce
   Any other discipline of Choice

Generic Elective Papers (GE) (Minor - Instrumentation)
(any four) for other Departments/Disciplines
(Credit : 06 each)

1. Sensors and Actuators (4+4)
2. Electro-Mechanical Instruments(4+4)
3. Instrumentation & Control (4+4)
4. Analytical Instrumentation (4+4)
5. Nuclear & Biomedical Instrumentation (4+4)
6. Machine Intelligence (4+4)

Department of Mathematics

The department of Mathematics conducts a three year undergraduate programme, B.Sc(Hons) in Mathematics. The department has been instrumental in the functioning of the college since its inception in 1989. Mathematics is also taught to the students of other disciplines. The department is located on the second floor of the Academic Block. The department, at present has well equipped labs with high-speed P-IV computers with broadband internet facility. The systems are installed with mathematical and statistical software such as MATLAB and Mathematica. The curriculum is designed in a manner where the students are trained in the theoretical and practical concepts. The department offers ample opportunities to students to explore and pursue research interests by collaborating with the other departments in research projects.

Students of the department are members of various cultural societies of the college and participate in inter-college competitions. The department has a dynamic mathematical society "Ramanarya". Lectures by eminent mathematicians and scholars are conducted from time to time under the banner of this society.

Department of Mathematics

B.Sc. (Hons.) Mathematics

SEMESTER 1	SEMESTER 2
C-I : Calculus C-II : Algebra AECC-I : English/MIL Communication or EVS GE-I	C-III : Real Analysis C-IV : Differential Equations AECC-II : EVS or English/MIL Communication GE-II
SEMESTER 3	**SEMESTER 4**
C-V : Theory of Real Functions C-VI : Group Theory-I C-VII : Multivariate Calculus SEC-I : LaTex and HTML GE-III	C-VIII : Partial Differential Equations C-IX : Riemann Integration and Series of Function C-X : Ring Theory and Linear Algebra-I SEC-II : Comp. Algebra Systems & Related Softwares GE-IV
SEMESTER 5	**SEMESTER 6**
C-XI : Metric Spaces C-XII : Group Theory-II DSE-I DSE-II	C-XIII : Complex Analysis C-IV : Ring Theory and Linear Algebra-II DSE-III DSE-IV

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

Discipline Specific Electives (DSE) (Credit : 06 each)

DSE-I
(i)   Numerical Methods, or
(ii) Mathematical Modeling Graph Theory, or
(iii) C++ Programming

DSE-II
(i)   Mathematical Finance, or
(ii) Discrete Mathematics, or
(iii) Cryptography and Network Security

DSE-III
(i)   Probability Theory & Statistics, or
(ii) Mechanics, or
(iii) Bio-Mathematics

DSE-IV
(i)   Number Theory, or
(ii) Linear Programming and Theory of Games, or
(iii) Application of Algebra

Generic Electives (GE) Papers

Odd Semester

GE-I : Calculus

GE-III : Differential Equations

Even Semester

GE-II : Linear Algebra

GE-IV : Numerial Methods/Elements of Analysis

Department of Microbiology

The department of Microbiology is starting from the current academic year 2017-18. The deptt. is offering the 3-year B. Sc. (Hons.) Microbiology programme. The expertise of a Microbiologist is required in areas viz. medicine, environmental science, food and drink production, dairy industry, agriculture, pharma-ceutical industry, genetic engineering, nanotech-nology, fundamental research etc. An under-graduate degree in microbiology gives an opportunity to work in science labo-ratories and microbiology based industries.

The department is well equipped with basic and advanced instruments and has facilities such as media room, inoculation area, culture room, bio-instrumentation lab. The department has spacious working laboratories, seminar room etc.

B.Sc. (Hons.) Microbiology

SEMESTER 1	SEMESTER 2
C-I : Introduction to Microbiology and Microbial Diversity C-II : Bacteriology AECC-I : English/MIL Communication or EVS GE-I : Generic Elective	C-III : Biochemistry C-III : Virology AECC-II : EVS or English/MIL Communication GE-II : Generic Elective
SEMESTER 3	**SEMESTER 4**
C-V : Microbial Physiology and Metabolism C-VI : Cell Biology C-VII : Molecular Biology SEC-I : Skill Enhancement Course GE-III : Generic Elective	C-VIII : Microbial Genetics and Genomics C-IX : Environmental Microbiology C-X : Food and Dairy Microbiology SEC-II : Skill Enhancement Course GE-IV : Generic Elective
SEMESTER 5	**SEMESTER 6**
C-XI : Industrial Microbiology C-XII : Immunology DSE-I : Discipline Specific Elective DSE-II : Discipline Specific Elective	C-XIII : Medical Microbiology C-XIV : Recombinant DNA Technology DSE-III : Discipline Specific Elective DSE-IV : Discipline Specific Elective

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

Generic Elective Papers
(Any one per Semester in Semesters I-IV)
Semester-I
1. Introduction and Scope of Microbiology
Semester-II
2. Bacteriology and Virology
Semester-III
3. Microbial Metabolism
4. Microbial Genetics and Molecular Biology
Semester-IV
5. Industrial and Food Microbiology
6. Microbes in Environment
7. Medical Microbiology and Immunology
8. Genetic Engineering and Biotechnology

Skill Enhancement Course
(Any one per Semester in Semesters III-IV)
1. Microbial Quality Control in Food & Pharmaceutical Industries
2. Microbial Diagnosis in Health Clinics

3. Biofertilizers and Biopesticides
4. Food Fermentation Techniques
5. Management of Human Microbial Diseases
6. Microbiological Analysis of Air and Water

Discipline Specific Elective
(Any two per Semester in Semesters V-VI)
Semester-V
1. Bioinformatics
2. Plant Pathology
3. Inheritance Biology
4. Biomathematics and Biostatistics
Semester-VI
5. Microbial Biotechnology
6. Advances in Microbiology
7. Instrumentation and Biotechniques
8. Biosafety and Intellectual Property Rights
9. Project Work

Department of Physics

The department offers B.Sc. (Hons.) in Physics and has highly active and vibrant faculty committed to impart high quality research standards in pure and applied areas of physics. It trains the students to become competent and motivated physicists.

The department has state-of-the-art research lab, wherein the students build their foundation on the principles of physics thereby enhancing their scientific temperament. It has equipment like He-Ne laser, polarimeter, spectrometers, electrical bridges, oscilloscopes, resistance meters, function generators, power supplies, optical benches, etc. to aid the learning process and meet the practical needs of the students.

B.Sc. (Hons.) Physics

SEMESTER 1	SEMESTER 2
C-I : Mathematical Physics-I C-I : Lab (Mathematical Physics-I) C-II : Mechanics C-II : Lab (Mechanics) GE-I AECC-I : English/MIL Communication or EVS	C-III : Electricity & Magnetism C-III : Lab (Electricity & Magnetism) C-IV : Waves and Optics C-IV : Lab (Wave and Optics) GE-II AECC-II : EVS or English/MIL Communication
SEMESTER 3	**SEMESTER 4**
C-V : Mathematical Physics-II C-V : Lab (Mathematical Physics-II) C-VI : Thermal Physics C-VI : Lab (Thermal Physics) C-VII : Digital Systems and Applications C-VII : Lab (Digital Systems and Applications GE-III SEC-I	C-VIII : Mathematical Physics-III C-VIII : L:ab (Mathematical Physics-III) C-IX : Elements of Modern Physics C-IX : Lab (Elements of Modern Physics C-X : Analog Systems and Applications C-X : Lab (Analog Systems and Applications GE-IV SEC-II
SEMESTER 5	**SEMESTER 6**
C-XI : Quantum Mechanics C-XI : Lab (Quantum Mechanics) C-XII : Solid State Physics C-XII : Lab (Solid State Physics) DSE-I DSE-II	C-XIII : Electronicmagnetic Theory C-XIII : Lab (Electromagnetic Theory) C-XIV : Statistical Mechanics C-XIV : Lab (Statistical Mechanics) DSE-III DSE-IV

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

Discipline Specific Elective Papers (Credit : 06 each) DSE I-IV (4 papers to be selected : 02 each for Odd Semester and Even Semester as listed below)

Odd Semester
1. Experimental Techniques (4) + Lab (4)
2. Advanced Mathematical Physics (4) + Lab (4)
3. Embedded Systems — Introduction to Microcontroller (4) + Lab (4)
4. Nuclear and Particle Physics (5) + Tutorial (1)
5. Physics of Devices and Communication (4) + Lab (4)
6. Astronomy and Astrophysics (5) + Tutorial (1)
7. Atmospheric Physics (4) + Lab (4)
8. Bilogical Physics (5) + Tutorial (1)

Even Semester
9. Advanced Mathematical Physics-II (5) + Tutorial (1)
10. Communciation System (4) + Lab (1)
11. Applied Dynamics (4) + Lab (4)
12. Verilog and FPGA based system design (4) + Lab (4)
13. Classical Dynamics (5) + Tutorial (1)
14. Digital Signal Processing (4) + Lab (4)
15. Nano Materials and Applications (4) + Lab (4)
16. Physics of the Earth (5) + Tutorial (1)
17. Medical Physics (4) + Lab (4)
18. Dissertation

Skill Enhancement Courses (02 to 04 papers) (Credit : 02 each) SEC-I to SEC-IV
1. Physics Workshop Skills
2. Computational Physics Skills
3. Electrical Circuits and Network Skills
4. Basic Instrumentation Skills
5. Renewable Energy and Energy Harvesting

6. Technical Drawing
7. Radiation Safety
8. Applied Optics
9. Weather Forecasting

Generic Elective Papers (GE) (Minor - Physics) for other Departments/Disciplines (Credit : 06 each)

Odd Semester
1. Electricy and Magnetism (4) + Lab (4)
2. Mathematical Physics (4) + Lab (4)
3. Digital, Analog and Instrumentation (4) + Lab (4)
4. Applied Dynamics (4) + Lab (4)
5. Medical Physics (4) + Lab (4)
6. Waves and Optics (4) + Lab (4)
7. Quantum Mechanics (4) + Lab (4)*
8. Communication System (4) + Lab (4)*
9. Verilog and FPGA based System Design (4) + Lab (4)*
10. Nano Materials and Applications (4) + Lab (4)*

Even Semester
11. Mechanics (4) + Lab (4)
12. Elements of Modern Physics (4) + Lab (4)
13. Solid State Physics (4) + Lab (4)
14. Embedded System : Introduction to Microcontroller (4) + Lab (4)
15. Biological Physics (5) + Tutorials (1)
16. Thermal Physics (4) + Lab (4)
17. DigitalSignal Processing (4) + Lab (4)
18. Nuclear and Particle Physics (5) + Tutorials (1)**
19. Astronomy and Astrophysics (5) + Tutorials (1)**
20. Atmospheric Physics (4) + Lab (4)**
21. Physics of the Earth (5) + Tutorials (1)**

* Not offered in 1st Semester ** Not offered in 2nd Semester

Department of Statistics

The college will be introducing B.Sc. (Hons.) in Statistics from this year. Analysing data has become the need of the day in every field, be it technical or social. Statistics, as a discipline therefore plays a predominant role. It has wide range of applications in every field and offers wide scope of jobs in the corporate world. Statisticians are high on demand and have an immense scope to rise.

The Department has a well furnished lab with statistical software(s) like SPSS to provide hands-on training of the theoretical concepts studied in lectures.

B.Sc. (Hons.) Statistics

SEMESTER 1	SEMESTER 2
C-I : Descriptive Statistics C-II : Calculus AECC-I : English/MIL Communication or EVS GE-I : Generic Elective	C-III : Probability and Probability Distributions C-III : Algebra AECC-II : English/MIL Communication or EVS GE-II : Generic Elective
SEMESTER 3	**SEMESTER 4**

C-V : Sampling Distributions
C-VI : Survey Sampling and Indian Official Statistics
C-VII : Mathematical Analysis
SEC-I : Statistical Data Analysis using Software
       Packages / Using R Software Environment
GE-III : Generic Elective
	C-VIII : Statistical Inference
	C-IX : Linear Models
	C-X : Statistical Quality Control
	SEC-II : Statistical Techniques for Research
	       Methods / Database Management Systems
	GE-IV : Generic Elective

SEMESTER 5	**SEMESTER 6**
C-XI : Stochastic Processes C-XII : Statistical Computing using C/C++ Programming DSE-I : Discipline Specific Elective DSE-II : Discipline Specific Elective	C-XIII : Design of Experiments C-XIV : Multivariate Analysis and Non-parametric Methods DSE-III : Discipline Specific Elective DSE-IV : Discipline Specific Elective

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

Generic Elective Papers

1. Statistical Methods
2. Introductory Probability
3. Basics of Statistical Inference
4. Applied Statistics

Discipline Specific Elective
(Credit : 06 each)

DSE-I 1. Time Series Analysis
         2. Demography and Vital Statistics

DSE-II 1. Operations Research
         2. Econometrics

DSE-III 1. Actuarial Statistics
         2. Survival Analysis

DSE-IV 1. Financial Statistics
         2. Project Work
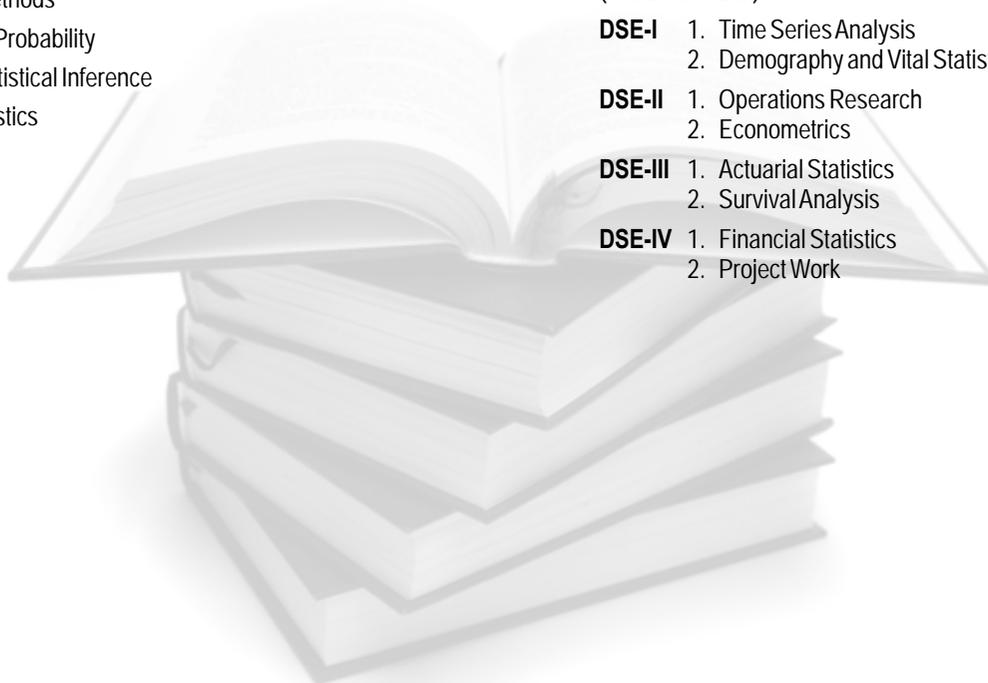
Department of Psychology

This year will see the beginning of Psychology department in the college. Owing to the growing demands for catering to the mental well being of people, the initiation of this course would prove to be a stepping stone in this direction.

Given the self reflective nature of the course, one can hope to gain not a solid base into the basics of psychology with the completion of this course, but also a better understanding of oneself in the process. The department would strive to provide a strong grounding in the sub-domains of psychology, namely General Psychology, Social Psychology, Cultural Psychology, Clinical Psychology, Organizational Behaviour, Human Resource Management, Cognitive Psychology, Psychoanalysis, Statistics, Research Methodology, and Physiology.

Alongside offering a strong theoretical base, emphasis would also be laid on imparting practical skill to the students with the inclusion of practicum work.

Thus the department aims to offer a holistic understanding and feel of the subject which should truly empower the student to take on diverse roles given the various branches this field has to offer. The student can aspire to have flourishing careers in any of the many fields like Clinical Psychology, Counseling, Special Education, Organizational Behaviour, Human Resource Management, Research, and Teaching etc.

B.A. (Hons.) Psychology

SEMESTER 1	SEMESTER 2
C-I : Introduction to Psychology (Theory+Practical) C-II : Statistical Methods for Psychological Research-I (Theory+Tutorial) AECC-I : Environmental Science GE-I : Generic Elective	C-III : Biopsychology (Theory+Tutorial) C-III : Psychology of Individual Differences (Theory+Practical) AECC-II : English Communication GE-II : Generic Elective
SEMESTER 3	**SEMESTER 4**
C-V : Development of Psychological Thought (Theory+Tutorial) C-VI : Psychological Research (Theory+Practical) C-VII : Social Psychology (Theory+Tutorial) AEEC-I : Ability Enhancement Elective Course GE-III : Generic Elective	C-VIII : Understanding Psychological Disorders (Theory+Practical) C-IX : Statistical Methods for Psychological Research-II (Theory+Tutorial) C-X : Applied Social Psychology (Theory+Practical) AEEC-II : Ability Enhancement Elective Course GE-IV : Generic Elective
SEMESTER 5	**SEMESTER 6**
C-XI : Understanding & Dealing with Psychological Disorders (Theory+Practical) C-XII : Development of Psychology (Theory+Practical) DSE-I : Discipline Specific Elective DSE-II : Discipline Specific Elective	C-XIII : Organisational Behaviour (Theory+Practical) C-XIV : Counseling Psychology (Theory+Practical) DSE-III : Discipline Specific Elective DSE-IV : Discipline Specific Elective

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; AEEC : Ability Enhancement Elective Courses; DSE : Discipline Specific Elective

Generic Elective Papers
(Any one per Semester in Semesters I-IV)
1. General Psychology (Theory+Tutorial)
2. Youth, Gender and Identity (Theory+Tutorial)
3. Psychology for Health and Well-being (Theory+Tutorial)
4. Psychology at Work (Theory+Tutorial)
5. Psychology and Media (Theory+Tutorial)
6. Inter-group Relations (Theory+Tutorial)
7. Youth Psychology (Theory+Tutorial)

Ability Enhancement Elective Course (Skill Based)
(Any one per Semester in Semesters III-IV)
1. Emotional Intelligence (Theory+Practical)
2. Stress Management (Theory+Tutorial)
3. Effective Decision Making (Theory+Tutorial)
4. Educational Psychology (Theory+Tutorial)

5. Selection and Training (Theory+Tutorial)
6. Personal Growth and Development (Theory+Tutorial)
7. Psychological Skills in Organisation (Theory+Tutorial)

Discipline Specific Elective
(Any two per Semester in Semesters V-VI)
1. Positive Psychology (Theory+Practical)
2. Human Resource Management (Theory+Practical)
3. Health Psychology (Theory+Practical)
4. Community Psychology (Theory+Practical)
5. Cultural and Indigenous Psychology (Theory+Practical)
6. Project/Dissertation (VI Semester)
7. Psychological Perspective in Education (Theory+Practical)
8. Psychology of Disability (Theory+Practical)
9. Psychology of Peace (Theory+Practical)

Bachelor of Business Administration
(Financial Investment Analysts) [BBA (FIA)]

SEMESTER 1	SEMESTER 2
C-I : Financial Accounting & Analysis C-II : Managerial Economics AECC-I : Environmental Science GE-I : Generic Elective	C-III : Statistics for Business Decisions C-III : Cost & Management Accounting AECC-II : Business Communication (Language : English/MIL) GE-II : Generic Elective
SEMESTER 3	**SEMESTER 4**
C-V : Income Tax C-VI : Corporate Finance C-VII : Financial Markets & Institutions SEC-I : Skill Enhancement Course GE-III : Generic Elective	C-VIII : Macro Economics C-IX : Quantitative Techniques C-X : Financial Econometrics SEC-II : Skill Enhancement Course GE-IV : Generic Elective
SEMESTER 5	**SEMESTER 6**
C-XI : Investment Analysis & Portfolio Management C-XII : Financial Derivatives DSE-I : Discipline Specific Elective DSE-II : Discipline Specific Elective	C-XIII : Corporate Restructuring C-XIV : International Finance DSE-III : Discipline Specific Elective DSE-IV : Discipline Specific Elective

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

Generic Elective Papers
(Any one per Semester in Semesters I-IV)

1. Entrepreneurship Development
2. Organisation Behaviour
3. Business Ethics & Corporate Governance
4. Production & Operations Management
5. Research Methodology
6. Economic Legislation
7. Indirect Taxes

Skill Enhancement Course
(Any one per Semester in Semesters III-IV)

1. IT Tools for Business
2. Financial Software Package(s)
3. Personality Development & Communication Skills
4. Research Software Package
5. Summer Internship (6-8 weeks)

Discipline Specific Elective
(Any two per Semester in Semesters V-VI)

1. Investment Banking & Financial Services
2. Corporate Analysis & Valuation
3. Business Tax Planning
4. International Trade Blocks and Multilateral Agencies
5. Corporate Accounting
6. Strategic Corporate Finance
7. Management of Financial Institutions
8. Forensic Analysis and Fraud Investigation
9. Research Project

Bachelor of Management Studies [BMS]

SEMESTER 1	SEMESTER 2
C-I : Fundamentals of Management & Organisational Behaviour C-II : Statistics for Business Decisions AECC-I : Environmental Science GE-I : Generic Elective	C-III : Managerial Economics C-III : Business Accounting AECC-II : Business Communication (Language : English/MIL) GE-II : Generic Elective
SEMESTER 3	SEMESTER 4
C-V : Macroeconomics C-VI : Principles of Marketing C-VII : Management Accounting SEC-I : Skill Enhancement Course GE-III : Generic Elective	C-VIII : Business Research C-IX : Human Resource Management C-X : Financial Management SEC-II : Skill Enhancement Course GE-IV : Generic Elective
SEMESTER 5	SEMESTER 6
C-XI : Quantitative Techniques for Management C-XII : Legal Aspects of Business DSE-I : Discipline Specific Elective DSE-II : Discipline Specific Elective	C-XIII : Business Policy & Strategy C-XIV : Financial Institutions & Markets DSE-III : Discipline Specific Elective DSE-IV : Discipline Specific Elective

C : Core Courses; GE : Generic Elective; AECC : Ability Enhancement Compulsory Course; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

Generic Elective Papers
(Any one per Semester in Semesters I-IV)
1. Entrepreneurship Development
2. Ethics & Corporate Social Responsibility
3. Tax Planning
4. Econometrics
5. Production & Operations Management
6. India's Diversity & Business

Skill Enhancement Course
(Any one per Semester in Semesters III-IV)
1. IT Tools for Business
2. Personality Development & Communication Skills
3. E-Commerce
4. Statistical Software Package(s)
5. Financial Software Package(s)

Discipline Specific Elective
(Any two per Semester in Semesters V-VI)
A student would be free to choose any four papers from one group. The course offers mainly four groups viz. Finance (DSE-I), Marketing (DSE-II), Human Resource (DSE-III) and Management of Global Business (DSE-IV).

DSE-I   1. International Finance
        2. Investment Banking & Financial Services
        3. Investment Analysis & Portfolio Management
        4. Project Appraisal
        5. Business Analysis & Valuation
        6. Financial Modelling & Derivatives
        7. Strategic Corporate Finance

DSE-II 1. Consumer Behaviour
        2. Personal Selling & Sales Force Management
        3. Advertising & Brand Management
        4. Retail Management
        5. Distribution & Supply Chain Management
        6. Marketing of Services
        7. International Marketing

DSE-III 1. HRD Systems & Strategies
        2. Training & Development
        3. Management of Industrial Relations
        4. Performance & Compensation Management
        5. Counselling & Negotiation Skills for Managers
        6. Cross Cultural HRM
        7. Talent & Knowledge Management

DSE-IV 1. International Trade Policy & Strategy
        2. Global Business Environment
        3. Transnational & Cross Cultural Marketing
        4. International Distribution & Supply Chain Management
        5. International Accounting & Reporting System
        6. Multinational Business Finance
        7. International Joint Ventures, Mergers & Acquisitions

Department of Physical Education & Sports Sciences

Students are considered to be the future of a country. Their health will have to be nurtured to make them power house that a country requires to progress. With this philosophy in mind SRCASW along with academics puts considerable focus on sports activities and encourages students to participate and excel in a variety of games and sports that are organized regularly in our college and outside. The college caters to Physical education and sports in the following ways

- **Sporting Facilities** : The College provides facilities for Athletics, Aerobics, Badminton, Cross country, Gymnastics, Kho-Kho, Volleyball, Table Tennis, Tennis and Yoga. It has a well-equipped Gym in its campus. These facilities are open for staff and students. The Department also organizes various fitness programs and camps from time to time.

- **Participation in Tournaments** : Our students regularly participation the DU Inter College tournaments, and also in tournaments at District level, State level, National level and Inter University level and make the college proud through their sporting achievements. College provides all the required back-up support.

- **Spardhaa** : The college conducts its Sports Fest 'Spardhaa' where teams from different colleges/institutions are invited to participate. "Spardhaa" which signifies healthy competition, serves as a significant platform for the participants to exhibit their sports talent, leadership and comradery. In Spardhaa-2017, athletes from 25 different colleges of University of Delhi took part and showcased their talents through healthy competitions in nine sports events.

- **Intra-Murals** :The college organizes Intra-murals, where college students, teaching and non-teaching staff participate in various sporting events.

- **Physical Education as Subject of Teaching*** : Department of Physical Education & Sports Sciences offers following Generic Elective Papers in Physical Education for the I, II, III and IV Semester students : Semester I – Yoga and Stress Management; Semester II – Obesity Management; Semester III – Aerobics Training; and Semester IV – Fitness & Exercise Management.

* Subject to approval from Competent Authority.

The Faculty

Dr. Payal Mago (Principal)
Ph.D. (Botany), M.Sc. (Botany),
University of Delhi

DEPARTMENT OF BIOLOGY

Dr. Rekha Mehrotra* (Associate Professor)
Ph.D. (Genetics), M.Phil (Botany), M.Sc. (Botany),
University of Delhi

DEPARTMENT OF BIOCHEMISTRY

Dr. Sadhna Jain* (Associate Professor)
Ph.D. (Biochemistry), M.Sc. (Biochemistry)
University of Delhi

DEPARTMENT OF BIOMEDICAL SCIENCE

Dr. Radhika Bakshi* (Assistant Professor)
Ph.D. (Biochemistry) AIIMS, M.Sc. (Biochemistry),
University of Delhi

Dr. Shruti Banswal (Assistant Professor)
Ph.D. (Molecular Biology & Biotechnology), IARI Delhi
M.Sc. (Plant Molecular Biology),
University of Delhi

Dr. Varsha Mehra (Assistant Professor)
Ph.D. (Biomedical Sciences) University of Delhi,
M.Sc. (Biotechnology), JNU

Dr. Mohd. Saquib Ansari (Assistant Professor)
Ph.D. (Biochemistry), M.Sc. (Biochemistry)
Bundelkhand University

Dr. Indu Arora (Assistant Professor)
Ph.D. (Chemistry), M.Sc. (Chemistry),
University of Delhi

DEPARTMENT OF CHEMISTRY

Dr. Jasjeet Kaur* (Associate Professor)
Ph.D. (Biotechnology), M.Sc. (Chemistry),
Punjabi University, Patiala

DEPARTMENT OF COMPUTER SCIENCE

Dr. Suruchi Chawla (Assistant Professor)
Ph.D. (Computer Science), University of Delhi,
M.Tech. (Computer Science & Engineering),
Kurukshetra University

Ms. Deepali Bajaj (Assistant Professor)
M.Phil. (Computer Science), Madurai Kamraj
University, MCA (IGNOU)
Pursuing Ph.D. from University of Delhi

Dr. Aakanksha* (Assistant Professor)
Ph.D. (Computer Science) from University of Delhi,
M.Phil. (Computer Science) Madurai Kamraj University,
M.Sc. (Computer Science), Banasthali Vidyapeeth

DEPARTMENT OF ELECTRONICS

Ms. Venika Gupta (Associate Professor)
M.Phil. (Electronics), M.Sc. (Electronics),
University of Delhi

Ms. Preeti Singhal* (Associate Professor)
M.Phil. (Electronics), M.Sc. (Electronics),
University of Delhi

Dr. Amita Kapoor (Associate Professor)
Ph.D. (Opto-Electronics), University of Delhi,
M.Sc. (Electronics), Jamia Millia Islamia

DEPARTMENT OF FOOD TECHNOLOGY

Dr. Ranjana Singh* (Associate Professor)
Ph.D. (Food Tech), M.Sc. (Food Tech),
G. B. Pant University

Dr. Deepa Joshi (Associate Professor)
Ph.D. (Dairying), NDRI, Karnal, M.Sc. (Food Tech),
G. B. Pant University

Ms. Para Dholakia (Assistant Professor)
M.Sc. (Food & Nutrition), M.S., University of Baroda,
Pursuing Ph.D. from University of Delhi

DEPARTMENT OF INSTRUMENTATION

Dr. Daya Bhardwaj* (Assistant Professor)
Ph.D., TERI University,
M.Sc. (MICA) Jiwaji University

Dr. Sneha Kabra (Assistant Professor)
Ph.D. (Electronics), M.Sc. (Electronics),
University of Delhi

DEPARTMENT OF MATHEMATICS

Dr. Punita Saxena* (Associate Professor)
Ph.D. (Mathematics) Jamia Millia Islamia,
M.Phil., M.Sc. (Mathematics), University of Delhi

DEPARTMENT OF PHYSICS

Dr. Alka Vohra Kuanr* (Associate Professor)
Ph.D. (Physics), M.Sc. (Physics), University of Delhi

LIBRARY

Dr. Projesh Roy (Librarian)
Ph.D. (Library & Information Sciences), University of
Delhi, M.Sc., M.D. (Public Admn.), C.A.L.I.W., D.C.A.

* Teacher-in-Charge

Attractions of the College

Ek Bharat Shreshtha Bharat Programme — Student Exchange Programme

Under the aegis of "Ek Bharat Shreshtha Bharat" Programme, Shaheed Rajguru College of Applied Sciences for Women (University of Delhi) invited ten students and two faculty members from Sikkim Govt. Science College, Chakung, West Sikkim, for Student Exchange Programme from 8th April'17 to 18th April'17. Keeping in mind the essence of Ek Bharat Shreshtha Bharat Programme, various activities were planned for the students from Sikkim. Interactive workshops were organized by various departments within the college campus. These workshops were aimed at sharing ideas that encourage scientific temperament among the students and making them aware of existent technologies that are being put to generous use in our campus.

DBT Star College Scheme

Star College Scheme initiated by Department of Biotechnology, Ministry of Science and Technology, Government of India is being implemented and availed in the college since August 2014. The participating departments are : Department of Biomedical Science, Instrumentation and Food Technology.

The scheme enables the participating departments to conduct summer projects, industrial visits, extra curricular science initiatives and hold workshops and conferences, etc.

CISCO Academy

Shaheed Rajguru College of Applied Sciences for Women runs CISCO Local Academy in association with CISCO systems. Students are prepared to take the Cisco CCENT® certification exam after completing a set of two courses and the CCNA® Routing and Switching certification exam after completing a set of four courses. In partnership with schools, colleges and organizations around the world, Cisco Networking Academy delivers a comprehensive learning experience to help students develop ICT skills for career opportunities, continuing education, and globally recognized career certifications. In each course, Networking Academy™ students learn technology concepts with the support of interactive media and apply and practice this knowledge through a series of hands-on and simulated activities that reinforce their learning. The Academy is furnished by Cisco routers and switches, along with fully functional computer laboratory and internet connection. The students get hands on training on routers. Also with the help of packet tracer, they learn to implement different topologies.

After doing the training, students acquire the ability to install, configure, operate and troubleshoot medium size router and switched networks, including implementation and verification of connections to remote sites in a WAN. Students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, STP, and VTP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement DHCP and DNS operations in a network.

Robotics Club

With the aim of motivating students to learn and experiment in the field of robotics and the technology of coming age, the college started its robotics lab Abhimanyu Bot in April 2015. The college has Robotics research platform based on micro-controller Atmega 2560, along with its various accessories. Students participated in eYIC-2017 (eYantra Ideas Competition, IIT Mumbai). A talk was organized by Robotics club and Instrumentation department jointly, on 14th Feb, 2017, on "Evolution in Modern Technologies". The club also organised a short term course on "Embedded Systems using AVR Microcontrollers" from 24th March to 24th April, 2017.

National Service Scheme (NSS)

National Service Scheme, under the Ministry of Youth Affairs & Sports, Govt. of India, popularly known as NSS was launched in Gandhiji's Birth Centenary Year 1969 with primary focus on the development of personality of students through community service.

The Motto of NSS "Not Me But You" reflects the essence of democratic living and upholds the need for self-less service. NSS helps the students develop appreciation to other person's point of view and also show consideration to other living beings.

Today NSS has more than 3.6 million student volunteers in India. NSS activities are actively carried out round the year by the volunteers of our college. Some of the activities are Educating underprivileged kids from nearby slum areas, Vermicomposting, Swacch Bharat Abhiyan, Old Age Home Visit, Orphanage Visit, Collection Drives (Winter Clothes Collection), Road Safety activities, etc. The NSS volunteers also organised various camps like Eye Check-up Camp, Blood Donation Camp, Health Issues related Camps, Self Defence Training Camp etc. and organised rallies for causing awareness on social issues.

Swacch Bharat Abhiyan

The college is actively involved in conducting various activities under the Prime Minister's Swacch Bharat Abhiyan launched on October 2, 2014. Various activities undertaken by the college this academic year are as follows : the students installed Fixed Metallic dustbins in the DDA market, Vasundhara Enclave, Delhi; a street Play was performed by the students for spreading awareness about the responsibility towards cleanliness; an e-waste drop box has been set up in our college premises so that studentscan deposit their discarded electronic material for further reuse, recycle and resale; Swachhta Pakhwara was organised from 16th August to 1st September, 2016. The event started with cleaning of our college premises; NSS volunteers organized a rally on Swachhta Abhiyan on 1 September, 2016.

Eco Club Activities

The Eco club of our College aims towards sensitization and awareness towards various environmental concerns. To fulfill this objective several activities were undertaken in the current year including tree plantation drive involving students periodically; best out of waste articles; innovative note pads made from waste paper; innovative dustbins made from waste material; poster designing on the theme, 'How to have Eco-friendly Campus'; pot decoration using waste; etc. Several projects depicting environmental issues were made. Eco day was also celebrated to further highlight the significance of clean environment.

A team of 20 student of Ecoclub participated in a project 'Sanitation and Health : the Need of Hour', a TERI and Genpact initiative wherein the team won 3rd prize and a cash amount of ₹ 25,000/-.

Placement and Career Counselling Cell

Placement Cell aims at skill enhancement and providing placement opportunities to students. Seminars and talks related to carrier counseling of students are organized for providing exposure to students from time to time. College Placement Cell associated with AMCAT for conducting skill assessment test of students from various streams and were provided job opportunities based on assessment. Central Placement Cell of Delhi University provides gateway to college students for campus placements in various reputed industries. Student Alumni had been placed in various industries like HCL, Ranbaxy, TCS, Coca Cola, Wipro, Tech Mahindra etc.

Entrepreneur Development Programme

To encourage budding managers & entrepreneurs in and around Delhi University Colleges, the E-cell of college organized a management fest entitled 'Conquest' on 30th March, 2017. The fest was inaugurated with technical session of experienced speakers namely Ms. Aastha Aryika, Ms. Tripti Bansal and Dr. S. Lakshmi Devi.

B Plan Competition, E Quiz, E-trapped, GD and Lets Commercialize were the major attractions of this fest. The event was a great success and saw participation from various colleges from across Delhi University as well as other colleges in Delhi and NCR. The team of ED Cell participated in NEC organised by IIT Mumbai at intermediate level and was among top 5 colleges out of 50 participated.

Women Development Cell

The college has Women Development Cell to sensitize and apprise the students on the various socio-legal issues related to women at home and workplace. The cell undertook the following activities during the academic year 2016-17 :

•   The college in association with SEWA (Self Employed Women's Association) organized a seminar on career counseling on 5th September 2016.

- The college along with an organization Actozen, organized an hour long interactive seminar on Managing stress and mental health on 27th September 2016.

- The Women Development Cell of the college has initiated the process of appointing a "Gender Champion" amongst the students. The cell has also instigated the process of "Gender Audit" in the college.

College Library

The College library has approximately 16,656 books, 11 printed journals and many scientific encyclopedia and periodicals covering all aspect of fundamental science, such as Electronics, Instrumentation, Food Technology, Computers Sciences, Biomedical Sciences, etc.

The library subscribes to a large number of Electronics Resources through UGC-Infonet, DULIS Electronic Journal and NLIST of Inflibnet. It includes 11 Online Databases on Reference & Citation Sources, 7 online Databases on Bibliographic Sources, 2 Online Databases on Citation Analysis Resources, 5 online Databases on Financial and Statistical Sources, Single databases on Doctoral Theses and 77 online Databases on Full Text Sources. Around 49270+ e-journals and 97000+ e-books are available in the library with three Wi-Fi computer laboratories consisting of 80 computers i.e. e-Library-1, e-Library-2 and e-Library-3.

The library has digital materials on its institutional repositories like New Product Development done by the 3rd year students of Food Technology. Other Important project reports, question papers, syllabus have been also digitized by the library.

The college library is RFID (Radio Frequency Identificatio System) enabled, which is being used for housekeeping operation. The system moves beyond security to become tracking system that combine security with more efficient tracking of materials throughout the library, including easier and faster charge and discharge, inventory, material handling and automated book drop kiosk being used for easier return of books. The system includes self-circulation desk, staff work station, security gate, book drop box, RFID reader, RFID sticker for Book, SMS/e-mail services for each book transaction.

Adaptation of Student Council Constitution

The Student Council Constitution was released and adapted on 10th February 2017 in a ceremony graced by Ms. Monika Arora (Advocate, Supreme Court) as the Chief Guest. The Oath taking ceremony of the Student Council also took place on the same day. The event was marked by an encouraging speech by the Chief Guest, Ms. Monika Arora, on the topic "In the hour of Student Activism, are girls aware enough of their legal rights?".

Students' Cultural Societies

Ahaarya – The dance society comprises of a bunch of enthusiastic dancers. Over the past 3 years of establishment, Ahaarya has been successfully able to grab a position in the top 10 dance societies of the University of Delhi. The society won 1st prize in ABES Institute of Technology, Ghaziabad; 1st prize in Amity University Gurgoan; 2nd prize in K R Mangalam University; 2nd prize in Shyamalal College, University of Delhi; 2nd prize in Aravali College of Engineering and Management, Faridabad; and Got selected in top 6 in Indian Institute of Technology, Delhi.

Glamfire – The fashion society of Shaheed Rajguru college of applied sciences is a portal for aspiring models, designers, makeup artists, hairstylists and fashion choreographers to showcase their skills. Their achievements include 1st position at KR Mangalam University; 2nd position at Shyama Prasad Mukherjee College, University of Delhi; and 2nd position at Indian Institute of Technology, Delhi.

Elvira – The fine arts society, right from its commencement in 2014 has been responsible for the decoration of college for various events throughout the year. The members of Elvira society won 1st prize in Prop Making at SGTB Khalsa College; 1st prize in Card Making at Lady Irwin College; 1st prize in Innovative Notebook by Eco Club, SRCASW; 2nd prize in Best Out of Waste Competition at Shivaji College; and 3rd prize in Doodling Event at IIT Delhi.

Inklings – The society was established by a group of literature enthusiasts to bring together all other people who liked to express themselves using words. These people then branched into Bloggers, Poetesses, Fiction Writers, Debaters, Orators etc and now are working hard, to make this group, this society known to the plethora of talent, that is Delhi University. 'Quintessene', an open mic spoken

word (slam poetry event) was organized by the society on 18th February 2017 in college campus. It was organized in collaboration with 'The Scribbled Stories' and the participants spoke on thoughtful topics ranging from feminism to fantasizing romance.

Mukhauta – The dramatics society, aims to spread awareness about the social, political and cultural views through street plays. Their achievements include 1st position at Institute of Integrated Learning in Management (IILM), Greater Noida; 1st position at Krishna Engineering College (KEC), Ghaziabad; 1st position at World School of Design (WSD), Sonepat; 1st position at Krishna Institute of Engineering and Technology (KIET), Ghaziabad; 2nd Position at Zakir Hussain College (Eve), Delhi; Special mention at Satyawati College; performed at National School of Drama, on the occasion of Bharat Rang Mahotsav, largest theatre festival of Asia; and performed for the Manthan — India's largest theatre festival organised by Shaheed Sukhdev College of Business Studies.

Philyra – The music society participated in group, duet and solo singing competitions in various cultural fest organised in different colleges in the year 2016-17. The society secured 1st position in solo western song competition at Janaki Devi Memorial College; 1st position in group singing at Sri Venketeswara College; and 1st position in the event 'Battle of Bands' at Shaheed Bhagat Singh College.

Shuffleshots – It is the photography society encouraging prodigious photographers & video makers to try their hands on professional photo-graphy and enhance their skills through exposure within and outside the college campus. The members of the society won 1st and 2nd position at Petals, the Flower Show hosted by University of Delhi; and 2nd position at Food Shooters, hosted by Department of Food Technology, SRCASW.
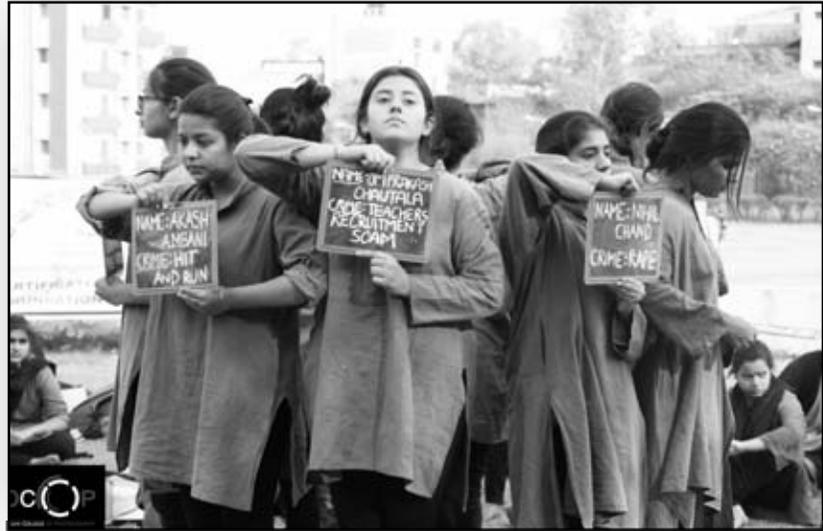
College Regulations

Lectures, Tutorials and Practical

It is compulsory for every student to attend lectures and tutorials/practical in each of the subject taken up for study. The students would be divided into sections or groups for lectures / practicals. It is expected from every student to find out her section/ group/ days/ periods well in time so as not to miss any of the classes.

In case a student does not find her name / roll number in any of the sections / groups for any lecture or practical class, she should bring this fact to the notice of the concerned teacher immediately.

Discipline and Attendance

Every student of the college must abide by the rules and regulations of the college and University. According to University regulation, student of undergraduate courses is required to attend at least 67% of the total lectures and tutorials / practicals separately in each subject. Students falling short of attendance will not be allowed to appear for the University Annual Examinations. The students are required to maintain discipline and silence in and around classrooms and laboratories. The students are required to switch off their mobile phones in classrooms and laboratories.

The college will not be responsible for any event and / or get together held outside or in the college premises without the prior approval of the Principal.

Medical Leave

All applications for leave of absence due to sickness must be supported by a medical certificate issued by an authorized medical practitioner or hospital and should reach the Principal office not later than a week of the student joining the college after her illness. This rule will be enforced strictly in giving benefit of attendance on medical grounds.

Identity Card

RF Identification cards are issued to all the students soon after the admissions. As entry in the college premises is through the scanning of I-cards so it is compulsory for the students to carry their I-cards to the college everyday and they should be able to present it on demand by the college authorities.

In case of loss/damage of Identity card, a duplicate card can be obtained from the college office by paying fine and fee.

Library

A student can issue four books each for a week and a text book for a day. If the books are not returned within stipulated time, fine as per library rules has to be deposited. The periodicals of the library are only for reference. Student can get photocopy of same from paid facility.

Notice Board

Students are advised to read the notice board regularly and comply with the orders and instructions relevant from time to time. Students are also advised to visit the College and University website from time to time to keep themselves updated for important inputs.

Medals and Prizes

Medals for the best academic performance in each course are awarded at the end of every academic session. Apart from academic prizes, medals and prizes for various activities as conducted in the college throughout the year are also awarded.

Seminars, Workshops and Various Functions, Annual Technical Festival

The college organizes seminars/ workshops in order to have a direct interaction with various industries / research institutes. Eminent speakers are invited to deliver talks in their respective

fields of specialization. Lectures by skilled professionals are also conducted in the college from time to time for the benefit of the students. It is compulsory for every student to attend these seminars/workshops/lectures failing which strict disciplinary action would be taken against the erring students.

Lockers

Every student is issued a locker in the beginning of the academic session.

Students are not allowed to carry their bags inside laboratories, auditorium and library and they must not leave their bags and other belongings unattended. Hence for safety purpose, the locker should to be kept locked.

Damage to College Property

Students shall take proper care of the college property and they must not spoil or cause any damage to or tamper the college property, furniture, fittings etc. Strict disciplinary action would be taken against the students found to be involved in damaging college property.

Scholarships

All eligible SC/ST, OBC, PwD students etc. should submit their scholarships form for every academic year by February for processing scholarship to SC/ST, OBC, PwD etc. each year.

Fee Concession

The college offers the fee concession for the needful, economically weak and bright students. Students willing to avail this facility can apply in the prescribed form (available at the college website) after admission.

A student will be liable to disciplinary action for violation of any of the above rules. Disciplinary action may involve warning, fines, and suspension from using the college library, suspension from the class or even expulsion from the college.

"ENTIRE COLLEGE IS UNDER CCTV SURVEILLANCE"

"RAGGING IN THE COLLEGE / HOSTEL IS A PUNISHABLE OFFENCE"

"COLLEGE / HOSTEL IS A SMOKE FREE ZONE"

Ordinances

Ordinance XV-B — Maintenance of discipline among Students of the University
For details, please refer to UG Admission Information Bulletin 2017-18, University of Delhi or University's website : www.du.ac.in .

Ordinance- XV-C — Prohibition and Punishment for Ragging
1.   Ragging in any form is strictly prohibited, within the premises of College / Department or Institution and any part of Delhi University system as well as on public transport.
2.   Any individual or collective act or practice of ragging constitutes gross indiscipline and shall be dealt with under this Ordinance.
3.   Ragging for the purposes of this Ordinance, ordinarily means any act, conduct or practice by which dominant power or status of senior students is brought to bear on students freshly enrolled or students who are in any way considered junior or inferior by other students; and includes individual or collective acts or practices which –
     a.   involve physical assault or threat to use of physical force.
     b.   violate the status, dignity and honour of women students.
     c.   violate the status, dignity and honour of students belonging to the scheduled caste and tribe.
     d.   expose students to ridicule and contempt and affect their self-esteem.
     e.   entail verbal abuse and aggression, indecent gestures and obscene behavior.
4.   The Principal of a College, the Head of the Department or an Institution, the authorities of College, or University Hostel or Halls of Residence shall take immediate action on any information of the occurrence of ragging.
5.   Notwithstanding anything in Clause (4) above, the Proctor may also suomoto enquire into any incident of ragging and make a report to the VC of the identity of those who have engaged in ragging and the nature of the incident.
6.   The Proctor may also submit an initial report establishing the identity of the perpetrators of ragging and the nature of the ragging incident.
7.   If the Principal of a College or Head of the Department or Institution or the Proctor is satisfied that for some reason, to be recorded in writing, it is not reasonably practical to hold such an enquiry, he/ she may so advise the Vice-Chancellor accordingly.
8.   When the Vice-Chancellor is satisfied that it is not expedient to hold such an enquiry, his / her decision shall be final.
9.   On the receipt of a report under Clause (5) or (6) or a determination by the relevant authority under clause (7) disclosing the occurrence of ragging incidents described in Clause 3(a), (b) and (c), the Vice-Chancellor shall direct or order rustication of a student or students for a specific number of years.
10. The Vice-chancellor may in other cases of ragging order or direct that any student or students be expelled or be not for a stated period, admitted to a course of study in a college, departmental examination for one or more years or that the results of the student or students concerned in the examination or examinations in which they appeared be cancelled.
11. In case any students who have obtained degrees/diplomas of Delhi University are found guilty; under this Ordinance, appropriate action will be taken under Statute 15 for withdrawal of degrees or diploma conferred by the University.
12. For the purpose of this Ordinance, abetment to ragging whether by way of any act, practice or incitement of ragging will also amount to ragging.
13. All Institutions within the Delhi University system shall be obligated to carry out instructions / directions issued under this Ordinance, and to give aid assistance to the Vice-Chancellor to achieve the effective implementation of the Ordinance.
     Note : Order of the Vice-Chancellor in pursuance of Ordinance XV-C :
     Where incident(s) of ragging are reported to the Vice-Chancellor by any authority under this Ordinance, the students(s) involved in ragging, shall be expelled for a specified term, designated in the order. Non-students involved in reports of ragging will be proceeded with under the criminal law of India; they will also be rendered ineligible for a period of five years from seeking enrolment in any of the institutions of the University of Delhi. Students against whom necessary action is taken under this note, will be given post decisional hearing, with strict adherence to the rules of natural justice.

The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 (Ministry of Law and Justice)
•   An Act to provide protection against sexual harassment of women at work place and for the prevention and redressal of complaints of sexual harassment and for matters connected there with incidental thereto.
•   WHEREAS sexual harassment results in violation of the fundamental rights of a woman to equality under articles 14 and 15 of the Constitution of India and her right to life and to live with dignity under article 21 of the Constitution and right to practice any profession or to carry on any occupation, trade or business which includes a right to a safe environment free from sexual harassment;
•   AND WHEREAS the protection against sexual harassment and the right to work with dignity are universally recognized human rights by international conventions and instruments such as Convention on the Elimination of all forms of discrimination against Women, which has been ratified on the 25th June, 1993 by the Government of India.
•   AND WHEREAS it is expedient to make provisions for giving effect to the said Convention for protection of women against sexual harassment at workplace.
For details, please see the website : http://indiacode.nic.in/acts-in-pdf/142013.pdf.

Academic Calendar (2017-18)

Activity	Semester I / III / V / VII	Semester II / IV / VI / VIII
Classes Begin	20th July, 2017 (Thursday)	1st January, 2018 (Monday)
Mid-Semester Break	30th September, 2017 Saturday) to 6th October, 2017 (Friday)	2nd March, 2018 (Friday) to 7th March, 2018 (Wednesday)
Classes Begin after Break	7th October, 2017 (Saturday)	8th March, 2018 (Thursday)
Dispersal of Classes, Preparation Leave and Practical Examinations Begin	16th November, 2017 (Thursday)	27th April, 2018 (Friday)
Theory Examinations Begin	30th November, 2017 (Thursday)	9th May, 2018 (Wednesday)
Winter / Summer Break	17th December, 2017 (Saturday) to 31st December, 2017 (Sunday)	20th May, 2018 (Sunday) to 19th July, 2018 (Thursday)

Coursewise Number of Seats

Courses	Total Number of Seats
B.Sc. (Hons.) Biochemistry	32
B.Sc. (Hons.) Biomedical Science	32
B.Sc. (Hons.) Chemistry	32
B.Sc. (Hons.) Computer Science	46
B.Sc. (Hons.) Electronics	32
B.Sc. (Hons.) Food Technology	32
B.Sc. (Hons.) Instrumentation	32
B.Sc. (Hons.) Mathematics	46
B.Sc. (Hons.) Microbiology	32
B.Sc. (Hons.) Physics	46
B.Sc. (Hons.) Statistics	46
B.A. (Hons.) Psychology	46
B.B.A. [FIA] (Bachelor in Business Administration)	46
B.M.S. (Bachelor in Management Studies)	46

Committees

Admission Grievance Committee
Dr. Mohd. Saquib Ansari (Convener), Assistant Professor, Department of Biomedical Science 9868877876
Dr. Amita Kapoor, Associate Professor, Department of Electronics...9311963166
Dr. Deepa Joshi, Associate Professor, Department of Food Technology 9810950353
Ms. Venika Gupta, Associate Professor, Department of Electronics...9953469945

Help Desk Committee
Ms. Deepali Bajaj (Convener), Assistant Professor, Department of Computer Science 9899291274
Dr. Varsha Mehra, Assistant Professor, Department of Biomedical Science 9971703464
Dr. Shruti Banswal, Assistant Professor, Department of Biomedical Science...9811138293

Proctorial & Anti-Ragging Committee
Dr. Punita Saxena (Convener), Associate, Professor, Department of Mathematics 9810221483
Ms. Preeti Singhal, Associate Professor, Department of Electronics 9868516331
Dr. Suruchi Chawla, Assistant Professor, Department of Computer Science 9810342692
Dr. Sneha Kabra, Assistant Professor, Department of Instrumentation 9868847325
Dr. Projesh Roy, Librarian, Library 9899105233

Internal Complaints Committee
Dr. Sadhna Jain (Convener), Associate Professor, Department of Biochemistry 9810103664
Dr. Alka Vohra Kuanr, Associate Professor, Department of Physics...9717453770

Sports Committee
Dr. Suruchi Chawla, Assistant Professor, Department of Computer Science 9810342692
Ms. Venika Gupta, Associate Professor, Department of Electronics...9953469945

Admission Committee
Dr. Sneha Kabra (Convener, Physical Sciences), Assistant Professor, Department of Instrumentation 9868847325
Dr. Indu Arora (Convener, Life Sciences), Assistant Professor, Department of Biomedical Science...........9891027157
Dr. Jasjeet Kaur, Associate Professor, Department of Chemistry 8130959522
Dr. Akanksha, Assistant Professor, Department of Computer Science 9811226521
Ms. Preeti Singhal, Associate Professor, Department of Electronics 9868516331
Dr. Ranjana Singh, Associate Professor, Department of Food Technology...9818258145
Dr. Daya Bhardwaj, Assistant Professor, Department of Instrumentation 9811239028
Dr. Punita Saxena, Associate, Professor, Department of Mathematics 9810221483
Dr. Alka Vohra Kuanr, Associate Professor, Department of Physics...9717453770
Dr. Sadhna Jain (Convener), Associate Professor, Department of Biochemistry 9810103664
Dr. Rekha Mehrotra, Associate Professor, Department of Biology 9811243283

Extra Curricular Activity (ECA) Admissions Committee
Dr. Shruti Banswal (Convener), Assistant Professor, Department of Biomedical Science 9811138293
Ms. Preeti Singhal (Co-convener), Associate Professor, Department of Electronics................................9868516331

Fee Concession Committee
Ms. Preeti Singhal (Convener), Associate Professor, Department of Electronics......................................9868516331
Dr. Radhika Bakshi, Assistant Professor, Department of Biomedical Science 9810599435
Dr. Rekha Mehrotra, Associate Professor, Department of Biology 9811243283
Dr. Jasjeet Kaur, Associate Professor, Department of Chemistry 8130959522
Ms. Deepali Bajaj, Assistant Professor, Department of Computer Science..9899291274
Dr. Punita Saxena, Associate, Professor, Department of Mathematics 9810221483

Public Information Officer
Dr. Mohd. Saquib Ansari, Assistant Professor, Department of Biomedical Science 9868877876

Lasting Reminiscences

Fresher's Party – The Fresher's party was hosted on August 12, 2016 to welcome the newcomers for the year 2016.

Independence Day – To keep the spirit of nationalism alive, Independence Day was celebrated in the college on August 15, 2016.

Shaheed Rajguru Day – This academic session, the Rajguru Fraternity celebrated Rajguru Day on 26th August 2016. The college was highly honoured to have Shri O.P. Kohli, Hon'ble Governorshri of Gujarat as the Chief Guest. Ms. Parija Phatarpekar, Member A, Municipal Taxation Tribunal, graced the occasion as the Special Guest. The theme for the event was : "*Rashtriya Punar-Nirman Mein Yuvaaon Ki Bhoomika*". The event was marked by some very enlightening speeches and stupendous cultural performances by the college's cultural societies.

Youth Parliament – SRCASW participated in the 13th National Youth Parliament Competition for Universities and Colleges by conducting a parliament session on 27 August 2017. Ex MP Mr Bratin Sengupta graced the occasion.

Students Council Elections – Students Council Elections were held on September 5, 2016 in compliance with Lyngdoh Committee recommendations.

Diwali Mela – The college organised third Inter-college Diwali Mela on October 26, 2016 in the college campus.

Vigilance Week Seminar – The college in collaboration with NTPC organized a Quiz on "Vigilance Awareness and Corruption" on 5 November 2016. More than 100 students participated out of which 4 winners were selected and were given prizes worth ₹ 6000/- from NTPC. Faculty Members were also felicitated for the participation.

The Constitution Day – The college celebrated in true spirit, the Constitution Day on November 26, 2016 by observing the Fundamental Duties enshrined in our Constitution.

College Trip to Goa – A 5-day excursion was organised to Goa from 17 to 22 December 2016 with 180 students from all departments along with some faculty members.

Alumni Meet Blend'17 – The college organised its seventh Alumni Meet on 12 February 2017. This gala Meet was attended by around 120 alumni of batches that graduated in year 1992 (First Graduating Batch) to 2016.

Annual Cultural Fest (Karvaan 2017) – The fifth rendition of Karvaan 2017, the annual cultural fest of the college was celebrated on 7th and 8 March, 2017. It was an extravagant affair with an ode to performing arts on first day which witnessed some of the best street play productions in Lalkaar and amazing dance performances during the choreography event Kinesthesia. The event culminated with a spectacular live performance by the flamboyant Kings of Bhangra, Jassi Gill and Babbal Rai. The vibe in the air was unmatched and the celebrities' charisma added to it all wonderfully! The fest wrapped up with high spirits and energy to set the ball rolling for next edition.

College Hostel

The college has a hostel for girls which can accommodate 117 students. The sprawling campus of the college has been built on 9.5 acres of land with beautiful gardens and quiet surroundings. The students who join the college from outside Delhi can avail of the hostel facilities. Staying in the hostel gives ample opportunities for students to take part in various activities of the college. The hostel is a home for those who are away from home. The rooms are allotted normally on twin/triple sharing basis. The college hostel promotes the holistic development of body, mind and spirit. The hostel life encourages several desirable traits in students like sharing, caring and adjusting to community living and provides more time and scope for moulding the personality and character of the students. It also aids the students to achieve the highest standards of excellence aimed by the value based integral education.

The college hostel gives students a neat, clean and comfortable place to live in. There is a warden, a matron and an office staff to attend to the needs of the students from time to time. The hostel has a mess, water coolers, visitor's room, recreation room and a medical room. The hostel is Wi-Fi enabled, under CCTV surveillance and equipped with fridge, microwave ovens, automatic washing machines, ironing boxes and induction cook tops to make life convenient and enjoyable for the students. Washrooms are equipped with sanitary napkin incinerators. The mess provides balanced and wholesome food to the students. The common Room has a TV with DTH and a music system. The Hostel is aesthetically laid out with plenty of space and greenery. The rooms are comfortable and basic furniture like bed with boxes and book shelves are fitted for the occupants. A visiting doctor is also available twice a week for the convenience of the students.

Prospectus
2017-18

Shaheed Rajguru College of Applied Sciences for Women

Accredited with 'A' Grade by NAAC

University of Delhi

Shivaram Hari Rajguru

(24 August 1908 — 23 March 1931)

Shivaram Hari Rajguru was born in a Hindu Brahmin family at Khed in Poona district in 1906. He came to Varanasi at a very early age where he learnt Sanskrit and read the Hindu religious scriptures. At Varanasi, he came in contact with revolutionaries. He joined the freedom movement and became an active member of the Hindustan Socialist Republican Army (H.S.R.A). Rajguru had fearless spirit and indomitable courage. The only object of his adoration and worship was his motherland for whose liberation he considered no sacrifice too great. He was a close associate of Chandra Shekhar Azad, Sardar Bhagat Singh and Jatin Das and his field of activity was U.P. and Punjab, with Kanpur, Agra and Lahore as his headquarters. Rajguru was a good shooter and was regarded as the gunman of the party. He took part in various activities of the revolutionary movement, the most important being the murder of British police officer, J. P. Saunders at Lahore in 1928.

Sardar Bhagat Singh, Rajguru and Sukhdev were tried for Saunders' murder. They were convicted and sentenced to death. Rajguru along with his two comrades was hanged in the Lahore jail on the evening of 23rd March, 1931. At the time of his martyrdom, Rajguru was hardly 23 years of age.

Fee Structure for the 1st Year for the Academic Session 2017-18

Schedule of Fee for B.Sc. (H) in Biochemistry/Chemistry/Electronics/Food Technology/Instrumentation .... ₹   10,620/-
Mathematics/Microbiology/Physics/Statistics/Bachelor of Management Studies (BMS); and B.A. (H) in Psychology
Schedule of Fee for B.Sc. (H) in Biomedical Science.. ₹   20,620/-
Schedule of Fee for B.Sc. (H) in Computer Science .... ₹   25,620/-
Schedule of Fee for Bachelor of Business Administration (BBA[FIA]) .... ₹   21,620/-

(A)	Maintenance Account	₹	₹	(B)	Student's Society Account	₹
1.	Tuition Fees (July-June)		180.00	1.	Games & Sports Fee	1000.00
2.	Magazine Fee		500.00	2.	Function & Cultural Activities Fee	1500.00
3.	Library & Reading Room Fee		1000.00	3.	Student's Aid Fund	100.00
4.	Identity Card Fee		100.00	4.	Security Deposit (Refundable)	500.00
5.	Garden Fee		100.00	5.	Medical Fee	150.00
6.	Water & Electricity Fee		500.00	6.	Development Fee	1500.00
7.	Laboratory Fee		1000.00	7.	Picnic & Excursion Fee	100.00
8.	University Enrolment Fee		200.00	8.	Seminar/Exhibition Fee	300.00
9.	University Athletic Association Fee		50.00	9.	In-house Examination Fee	500.00
10.	University Culture Activities Fees		5.00	10.	Prevention of Sexual Harassment Fee	10.00
11.	University Development Fee		600.00	11.	World University Service Fee	5.00
12.	Computer Laboratory Fee		500.00	12.	Others	0.00
13.	N.S.S. Fund		20.00			
14.	Computer Science B.Sc. (H)	15000.00				
15.	Biomedical Science B.Sc. (H)	10000.00				
16.	Business Administration (BBA[FIA])	11000.00				
17.	University Examination Fee*					
18.	Internet Facility		200.00			
19.	Placement Brochure Fee	200.00	0.00			
	(For Final Year Students only)					
20.	Fine		0.00			
	Total (A)		**4955.00**		**Total (B)**	**4765.00**
	Grand Total (A+B)					**10620.00**

* Coursewise Applicable University Examination Fee for both the semesters to be deposited at the time of admission.

Rules for Refund of Fee on account of Withdrawal/Cancellation of Admission

S.No.	Reason for seeking refund	Quantum of fee to be refunded
1	When a student applies for withdrawal of admission upto 31st July.	Full fee after deduction of Rs. 500/- and full examination fee.
2	When a student applies for withdrawal of admission on or after 1st August till three working days before the last date of admission (including the last day of admission).	Full fee after deduction of Rs. 1000/- and full examination fee.
3	When admission is made inadvertently due to error/omission/commission on the part of the University/College.	Full fee and full examination fee.
4	When cancellation of admission is due to concealment/falsification of facts, submission of false/fake certificates(s), providing misleading information by the student or for any error/mistake on the part of the student.	No fee will be refunded.
5	In case of Migration of a student in III semester from one college to another college (If permissible under the University rules), up to 31st August of the year of migration.	Full fee after deduction of 20% of the total fee and full examination fee.
6	When a student of Self Financing course applies for withdrawal of admission on or before the last date of admission.	Full fee after deduction of Rs. 1000/- and full examination fee.
7	If a student provisionally admitted to a course on declaration of the result of his qualifying examination/compartmental examination becomes ineligible for admission and his/her admission is cancelled.	Full fee after deduction of Rs. 1000/- provided that he/she applies for refund in the same Financial Year.
8	In case a student after his/her admission expires within one month of the last date of admission.	Full fee including examination fee will be refunded to his/her parents.
9	When a student has been allowed to change the course of study in the same college or within the departments of the University.	After adjustment of fees already paid, the student will be required to pay the remaining amount due as prescribed for the new course. In case the student paid in the previous course more than the amount due for the second course, the excess amount will be refunded/adjusted towards further month(s) fees.

₹ 150/-

Shaheed Rajguru College of Applied Sciences for Women
(University of Delhi)
Vasundhara Enclave (Adjoining Chilla Sports Complex), Delhi - 110 096
Phone(s) : 011-22623503, 22623505 • Telefax : 011-22623504
Website : www.rajgurucollege.com

Shaheed Rajguru College of Applied Sciences for Women

ACCREDITED BY NAAC WITH 'A' GRADE
(University of Delhi)

ADMISSION FORM FOR 1ˢᵗ YEAR COURSE SESSION 2017-18

B.Sc. (H) in Biochemistry / Biomedical Science / Chemistry / Computer Science / Electronics / Food Technology / Instrumentation / Mathematics / Microbiology / Physics / Statistics; B.A. (H) in Psychology; Bachelor of Business Administration (BBA[FIA]); and Bachelor of Management Studies (BMS)

FOR OFFICE USE ONLY

Verification of		Verified by (Name of Staff)	Signature
Submitted Documents	:	....	....
Online Marksheet	:	....	....
Online Caste Certificate	:	....	....

Paste
Recent
Passport Size
Photograph

Course in which admission is sought : ....

University Online Application Form No. : ....

1. Name (in block letters) : ....

2. Date of Birth : .... As on 01-10-2017 .... Years .... Months .... Days

3. School Last Attended : ....

4. Father's / Guardian's Name : ....

   Occupation : .... Office Address : ....

   .... Tel. No. : ....

5. Mother's Name : ....

   Occupation : .... Office Address : ....

   .... Tel. No. : ....

6. Nationality : ....

7. Permanent Address : ....

   ....

8. Present Address : ....

   ....

9. Bank details for Fee Refund (if any) : Name of the Bank ....

   Branch .... IFSC Code .... A/c No. ....

10. Do you belong to Scheduled Caste / Scheduled Tribe / OBC? Yes / No ....

11. Whether children / widows of armed personal killed / disabled in action during hostilities / J&K Migrant?

    Yes / No ....

P.T.O.

12. Do you belong to the Person with Disability (PwD) category? Yes / No ....

13. Are you applying under – Sports / ECA / Ward Quota? Yes / No ....

14. Details of Senior Secondary or equivalent examination passed :

Examination : .... Board : ....

Year of Passing : .... Roll No. : ....

Hindi / MIL Studied up to Class : ....

S. No.	Subjects	Max. Marks	Marks Obtained	Percentage
1.	....	....	....	....
2.	....	....	....	....
3.	....	....	....	....
4.	....	....	....	....
5.	....	....	....	....
6.	....	....	....	....

Aggregate Percentage as per Eligibility Criteria *(Specify whichever is applicable)*

Aggregate % in PCM : ....
(for B.Sc. (H) in Physics, Chemistry, Electronics & Instrumentation)

Aggregate % in PCB / BT : ....
(for B.Sc. (H) in Biomedical Science)

Aggregate % in PCM / B / BT : ....
(for B.Sc. (H) in Food Technology)

Aggregate % in MCB / PCB : ....
(for B.Sc. (H) in Biochemistry)

Aggregate % in Lang+Maths+Best 2 : ....
(for B.Sc. (H) in Computer Science, Maths & Statistics)

Aggregate % in Lang+ Best 3 : ....
(for B.A. (H) in Psychology)

Entrance Examination Rank : ....
(for Bachelor of Business Administration (BBA[FIA]) & Bachelor of Management Studies (BMS))

I hereby declare that the information given above is correct to the best of my knowledge and belief and nothing has been concealed whatsoever.

Signature of Father / Mother / Guardian　　　　　　　　　　　　　　　　　　　　　**Signature of the Applicant**

Admission approved by :

Teacher-in-Charge　　　　　　　　**Convener, Admission Committee**　　　　　　　**Signature of Principal**

Incomplete Admission Form in any manner is liable for outright rejection.
All admissions will be provisional subject to verification / authentication of submitted documents by the forensic expert.