Shaheed Rajguru College of Applied Sciences for Women

(NAAC 'A' Grade Accredited)
University of Delhi

PROSPECTUS 2020-21

Shivaram Hari Rajguru
(24 August 1908 — 23 March 1931)

Shivaram Hari Rajguru was born in an average middle-class 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 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.

SRCASW Campus during Lockdown

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Principal's Message

I would like to welcome you to Shaheed Rajguru College of Applied Sciences for Women and to our Admission e-Prospectus 2020 for a look at the diversity of opportunity and range of experiences our students received. Shaheed Rajguru College of Applied Sciences for women has been transformed over the past decade. As we approach mark of over 2,000 students and 14 disciplines, we can be truly proud of our recent success.

The impact of our teaching and research is now recognised around the whole nation, in particular in our consistent rise in national rankings. Enriched by a talented and diverse team of staff, we are committed to delivering excellence and creating equality of opportunity, through a spirit of partnership. Working together with determination, confidence and ambition, we can look forward to the many exciting opportunities that lie ahead of us in the coming academic session.

Shaheed Rajguru College of Applied Sciences for Women is a grade 'A' Institute accredited by NAAC and NIRF ranking 67 that offers not only a platform for achieving academic excellence but also a nurturing environment for holistic growth and development. We have a great history in providing high-quality education catering for individual needs and preparing young people for the world of opportunities post secondary education

Shaheed Rajguru College aims to provide its students with a competitive environment and equip them to be the forerunners in their respective fields. At present, there are 14 undergraduate courses being offered in the college, 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 (Financial Investment Analysis) and Bachelor of Management Studies.

The college also stands out for its state-of-the-art infrastructure and facilities. The college is proud of its highly equipped laboratories in each department. It also has a three floored RFID Library, Wi-Fi enabled campus and advanced projection systems and interactive monitors to ensure an advanced and interactive learning experience for our students. The college has a well-equipped Gym which is open for all students to imbibe the seed of physical fitness. The college has hostel which provides accommodation to nearly 120 students. The campus design is friendly for physically challenged with ramps and elevators. The college also has an indoor auditorium, an open-air amphitheater and a conference room. The 9.5 acres lush green campus adds a calming ambience to the college.

Our success rate for students progressing to Higher and Further Education is very high. Over the years, the college has proudly witnessed many of its alumni attain remarkable success in their respective fields and there are surely many more to come. With every passing year, the college gets the opportunity to mould many bright young minds and bring out the best in them in an endeavour to enable them to reach the epitomes of success. The college believes in harbouring an atmosphere of knowledge as well as innovativeness, creativity and talent. College is committed to inculcate a sense of social responsibility amongst student by providing them ample opportunity to work for the betterment of underprivileged class of society.

The session 2020-2021 is special due to Covid -19 pandemic. We understand that there is rising anxiety amongst admission seekers and their parents. It is pertinent to mention here that college is taking care to minimise all limitations which have arisen due to pandemic. Right from adapting to online mode of admissions, our faculty has quickly adapted to effective online mode of teaching and learning. We are committed to working hard in collaboration with parents and guardians in creating a comprehensive online mode of teaching for the effective remote learning of students.

The e-prospectus contains all the necessary information pertaining to the admission process including the procedure to fill up the admission form, fees, the syllabi of all the courses and generic elective options to help the students and parents get information conveniently regarding the admission process and course selection.

With the commencement of a new academic year, I warmly welcome all the first year students in their new phase of life wherein you will make life-long friends and grow both intellectually and socially. I wish you all the very best for the years to come and hope that you have an immensely productive, joyous and memorable time here.

Dr. Payal Mago
Principal

Admission Schedule

Schedule for UG (Entrance/Merit -based) for the Academic Session 2020-21:

Schedule for UG Merit Based Admission Process*

Process	Date
Admission against 1st Cut-off Last day of payment against 1st Cut-off	10:00 am 12th October 2020 (Monday) – 5:00 pm 14th October 2020 (Wednesday) 11:59 pm 16th October 2020 (Friday)
Admission against 2nd Cut-off Last day of payment against 2nd Cut-off	10:00 am 19th October 2020 (Monday) – 5:00 pm 21st October 2020 (Wednesday) 11:59 pm 23rd October 2020 (Friday)
Admission against 3rd Cut-off Last day of payment against 3rd Cut-off	10:00 am 26th October 2020 (Monday) – 5:00 pm 28th October 2020 (Wednesday) 11:59 pm 30th October 2020 (Friday)
Admission against 4th Cut-off Last day of payment against 4th Cut-off	10:00 am 2nd November 2020 (Monday) – 5:00 pm 4th November 2020 (Wednesday) 11:59 pm 6th November 2020 (Friday)
Admission against 5th Cut-off Last day of payment against 5th Cut-off	10:00 am 9th November 2020 (Monday) – 5:00 pm 11th November 2020 (Wednesday) 11:59 pm 13th November 2020 (Friday)
Session Commences	18th November 2020 (Wednesday)
Admission against Special Cut-off Last day of payment against Special Cut-off	10:00 am 18th November 2020 (Wednesday) – 5:00 pm 20th November 2020 (Friday) 11:59 pm 22nd November 2020 (Sunday)

* In case vacant seats are left, further Cut-offs may be announced by the University to fill the vacant seats.

Schedule for UG Entrance Based Admission Process**

Process	Date
Admission against 1st Merit List Last day of payment against 1st Merit List	10:00 am 19th October 2020 (Monday) – 5:00 pm 21st October 2020 (Wednesday) 11:59 23rd October 2020 (Friday)
Admission against 2nd Merit List Last day of payment against 2nd Merit List	10:00 am 26th October 2020 (Monday) – 5:00 pm 28th October 2020 (Wednesday) 11:59 30th October 2020 (Friday)
Admission against 3rd Merit List Last day of payment against 3rd Merit List	10:00 am 2nd November 2020 (Monday) – 5:00 pm 4th November 2020 (Wednesday) 11:59 6th November 2020 (Friday)
Registration Portal open first Spot Admission Seat allocation for 1st Spot Admission Admission against 1st Spot Admission Last day of payment against Spot Admission	9th November 2020 (Monday) 9:00 am – 5:00 pm on 10th November 2020 11th November 2020 11:59 pm 13th November 2020
Session Commences	18th November 2020 (Wednesday)

** In case vacant seats are left, further spot admissions may be announced by the University of Delhi.

Note :

- The whole process of admission would in online mode. The minimum qualifications cut off requirements and other relevant documents would be verified online.
- On approval of the admission by the Principal of the College, fee payment will be activated on the applicant's dashboard in the Undergraduate Admission Portal.
- **The applicant has to log on to the Portal to make online payment of the fee within 24 hours of the approval. The candidates must save the acknowledgment slip bearing the transaction details.**
- Once the applicant has gained admission, they will have to sign an online declaration stating, **"All the information provided by me are correct. In case any information provided by me is found to be false and/or is not supported by the documents presented by me, I understand that the admission will be immediately cancelled and no fees will be refunded. I shall abide by all the rules and regulations laid down by the University and the College."**
- The uploaded documents will be verified by the respective colleges within the stipulated time period as and when announced on the college website. **If at this stage it is found that the information given by the applicant is false and/or is not supported by the documents presented, the admission will be immediately cancelled. No fees will be refunded in such cases.**

College Vision & Mission

V**ision** – 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. The College aims to change lives, build future, impart technical expertise and improve industrial links through high quality applied learning.

M**ission** – To build & nurture a new generation of professionals by providing them education with a holistic perspective. To imbibe strong ethical values so that they 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 fulfil the mission of the organization in the fast changing global environment.

Academic Calendar 2020-21*

Semester I	
Classes Begin	
Mid-Semester Break	
Classes Begin after Mid-Semester Break	
Dispersal of Classes, Preparation Leave and Practical Examination Begin	
Theory Examination Begin	
Winter Break	
Semester II	
Classes Begin	
Mid-Semester Break	
Classes Begin after Mid-Semester Break	
Dispersal of Classes, Preparation Leave and Practical Examination Begin	
Theory Examination Begin	
Winter Break	

*** Dates will be uploaded as and when notified by the University of Delhi.**

Admission Details

Academic Qualifications

(a)   The candidate should have passed or have appeared in March/April 2020 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.

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 mentioning the College name and Course opted.

2.   Admission Form of the College duly filled.

3.   Class 10th Board Examination Certificate as evidence of date of birth.

4.   Class 10th Mark-sheet.

5.   Class 12th Mark-sheet.

6.   Class 12th Provisional/Original Certificate.

7.   SC/ST/PwD/CW/KM/EWS 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.   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)   10% seats are reserved for Economically Weaker Section (EWS) Category from this academic year 2020-21.

e)   5% seats are reserved for the Persons with Disabilities (PwD) candidates (Supernumerary Seats).

Admission Details

Guidelines for Admission on the Basis of Excellence in Sports 2020-21

The College offers admission in sports category for various sports as mentioned below to female candidates. The admission on the basis of Sports shall be administered through centralized Sports Merit List based on the Highest Marks obtained in the uploaded Merit/Participation Sports Certificate and order of their preferences of courses and colleges as indicated by the applicant. For further details, kindly refer to the Bulletin issued by the University of Delhi. Total 17 (seventeen) sports persons in the following games and positions may be selected.

S.No.	Game/Sport	Position/Event/ Weight category	Seats in Sports Quota In Figures	In Words	Total 17 (Seventeen)
1.	Badminton		02	Two	02 (Two)
2.	Basketball	Centre	01	One	02 (Two)
		Forward	01	One	
3.	Boxing	46 to 49 kgs.	01	One	02 (Two)
		54 kgs.	01	One	
4.	Chess		02	Two	02 (Two)
5.	Kho-kho	Runner	02	Two	03 (Three)
		Chaser	01	One	
6.	Table tennis		02	Two	02 (Two)
7.	Volleyball	Spiker	01	One	04 (Four)
		Centre Blocker	01	One	
		Setter	01	One	
		Libero	01	One	

- The college reserves the right to reshuffle the sports quota seats.
- Original certificates issued by the Issuing Authority of Zonal, Inter Zonal, State, National and/or International level in the games relevant to the college only will be considered.
- Selected candidates will have to submit an undertaking on Judicial Stamp Paper of Rs. 100/- at the time of admission stating that "She will play for college and university all the years during her undergraduate course".
- A medical fitness certificate from Government Hospital/Registered Medical Practitioner should be submitted.

Guidelines for Admission on the Basis of ECA Quota 2020-21

The college offers admissions in ECA (Extra Curricular Activities) category in the field of dance, music (both vocal and instrumental), dramatics (street play), N.S.S., etc. There are total of (11) Eleven 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.

S.No.	ECA Category	Subcategory Code	Subcategory	ECA Seats in Figures	Words
1	Dance	2a	Indian Classical	01	One
		2c	Western	01	One
		2d	Choreography	01	One
2	Debate	3a	Hindi	01	One
		3b	English	01	One
3	Music (Vocal)	6a	Indian (Classical & Light)	01	One
4	Theatre	9		01	One
5	N.S.S.	13		02	Two
6	Yoga	14		02	Two

Note : *Representation of at least 1% each (of total intake capacity of the college) of ECA and Sports is mandatory for all colleges, subject to a ceiling of 5% (of total intake capacity of the college) in total for ECA and Sports together.*

Eligibility Criteria

Admissions to Undergraduate Courses 2020-21

Admissions to undergraduate (UG) courses at the University of Delhi are merit-based (that is, based on marks scored in Class XII Board/qualifying examinations) or entrance-based (that is, based on written/practical tests depending on the course selected by an aspiring student). All applicants must register through the University of Delhi online admissions portal http://admissions.du.ac.in. All undergraduate admissions for 2020-21 will be administered only through this portal.

Eligibility Criteria for Undergraduate Courses

- The applicant must be a citizen of India. (Applicants seeking admission under Foreign Students' category to apply separately on Foreign Students' Registry website, http://fsr.du.ac.in.)
- The applicant should have passed the Class XII examination of any Board/ University examination in India or in any foreign country recognized as equivalent to the 10+2 system by the Association of Indian Universities (AIU).
- The applicant should have "passed" individually in each subject required (including practicals if any) for calculating merit and eligibility to the course they seek admission in. Applicants with "compartment" results are not eligible to apply.
- Applicants with gap year(s) will not be at any disadvantage for the purpose of admission to undergraduate courses.
- Applicants under the UR/SC/ST/OBC/EWS categories are eligible to seek admission based on both merit and entrance tests to courses in all Colleges/ Departments (except Minority Colleges, wherein some categories may not be applicable).
- Applicants from Sikh & Christian minorities may also seek admission under the minority quota in the Minority Colleges of the University.
- The following categories are designated "supernumerary" : i) PwD (Persons with Disabilities); ii) CW (Children/Widows of Personnel of the Armed Forces including Para-Military); iii) KM (Kashmiri Migrants); iv) Prime Minister's special scholarship for Jammu and Kashmir; v) SS (Nominated Sikkimese Students); vi) WQ (Ward Quota); vii) ECA (Extra-Curricular Activities); viii) Sports.

Categories i-viii above are applicable to courses where admission is based on merit. Only categories i and ii above are applicable to courses where admission is based on entrance tests.

Additional Eligibility Criteria

B. A. (Hons.) Psychology	• An aggregate of 45% marks in the qualifying examination. Merit shall be determined on the basis of one language and three best academic/elective subjects as specified in List A and List B. • Inclusion of any subject other than those from List A and List B in the combination of best three will lead to a deduction of 2.5% per such subject included in the aggregate "Best Four" percentage. • Out of three academic/elective subjects chosen above, one must be the concerned subject in which the admission is sought, failing which a deduction of 2.5% will be imposed on the aggregate "Best Four" percentage.
B. B. A. [F. I. A.] *(Bachelor of Business Administration [Financial Investment Analysis]) /* B. M. S. *(Bachelor of Managment Studies)*	• Aggregate of 60% or more marks in the qualifying examination in four subjects : English, Mathematics & any two other subjects included in List B. • Selection will be based on rank computed from the combined weighted average of percentage scored in the entrance test and the percentage scored in the qualifying examination where the weights are: Entrance Test: 65%, Qualifying Examination : 35%.
B. Sc. (Hons.) Biochemistry	• 55% or more marks in the aggregate of Chemistry, Biology / Biotechnology/Biochemistry and Physics / Mathematics (Practical & Theory together) and passing in one compulsory language (i.e. English). or 55% or more marks in the aggregate of Chemistry, Biology/Biotechnology/Biochemistry and Physics/Mathematics (Practical & Theory together) and 50% in one compulsory language. • Merit will be calculated based on aggregate percentage in Chemistry, Biology/Biotechnology/ Biochemistry and Physics/Mathematics.
B. Sc. (Hons.) Biomedical Science	• 55% or more marks in the aggregate of Physics, Chemistry, Biology/ Biotechnology/ Biochemistry with 50% or more marks in compulsory language, i.e., English. • Merit will be calculated based on aggregate percentage in Physics, Chemistry, Biology/ Biotechnology/ Biochemistry. • Applicants with Physics, Chemistry, Biology/ Biotechnology/ Biochemistry who scored 60% or more marks in Mathematics in the qualifying examination will be given an advantage of 3% over and above their Physics, Chemistry, Biology/Biotechnology/ Biochemistry aggregate.
B. Sc. (Hons.) Physics / Chemistry / Instrumentation / Electronics	• 55% or more marks in the aggregate of Physics, Chemistry and Mathematics and 50% or more marks in one compulsory language. • Merit will be calculated based on aggregate percentage in Physics, Chemistry and Mathematics.
B. Sc. (Hons.) Computer Science	Merit will be calculated based on "Best Four" of Mathematics, one language and two other subjects listed as academic / elective subjects, as specified in List A and B above, as per the following: • 60% or more marks required in Mathematics; • 60% or more marks in aggregate of four subjects including Mathematics, one language and any two of Physics, Chemistry and Computer Science/ Informatics Practices. • Applicants from other streams (with Mathematics in Class XII), will have a disadvantage of 2% in aggregate of required four subjects.

B. Sc. (Hons.) Food Technology	• 55% or more marks in the aggregate of Physics, Chemistry and Mathematics/Biology/ Bio-technology/ Biochemistry (Practical & Theory together) and 50% in English as a compulsory language • Merit will be calculated based on aggregate percentage in Physics, Chemistry, Mathematics/Biology /Bio-technology/ Biochemistry. • Applicants who have studied both Mathematics & Biology at qualifying exam will be given 3% relaxation.
B. Sc. (Hons.) Mathematics / Statistics	• 50% marks in Mathematics and an aggregate of 45% marks in the qualifying examination. • The Merit shall be determined on the basis of one language, Mathematics and two best elective /academic subjects.
B. Sc. (Hons.) Microbiology	• 55% or more marks in the aggregate of Physics, Chemistry, Biology/Biotechnology/Biochemistry (Practical & Theory together) and 50% or more marks in one compulsory language i.e. English. • Merit will be calculated based on aggregate percentage in Physics, Chemistry, Biology/ Biotechnology/ Biochemistry.

List A : Language Subjects

List A1					List A2
Assamese Core/ Assamese Elective	Gujarati Core/ Gujarati Elective	Maithili Core/ Maithili Elective	Odia Core/ Odia Elective	Tamil Core/ Tamil Elective	Arabic Core/ Arabic Elective
Bengali Core/ Bengali Elective	Hindi Core/ Hindi Elective	Malayalam Core/ Malayalam Elective	Punjabi Core/ Punjabi Elective	Telegu Core/ Telegu Elective	French Core/ French Elective
Bodo Core/ Bodo Elective	Kannada Core/ Kannada Elective	Manipuri Core/ Manipuri Elective	Sanskrit Core/ Sanskrit Elective	Urdu Core/ Urdu Elective	German Core/ German Elective
Dogri Core/ Dogri Elective	Kashmiri Core/ Kashmiri Elective	Marathi Core/ Marathi Elective	Santhali Core/ Santhali Elective	Persian Core/ Persian Elective	Italian Core/ Italian Elective
English Core/ English Elective	Nepali Core/ Nepali Elective	Konkani Core/ Konkani Elective	Sindhi Core/ Sindhi Elective		Spanish Core/ Spanish Elective

List B : Elective Subjects

Accountancy	Computer Science/ Computer Applications/ Informatics Practices	Mathematics	Anthropology	Economics
Philosophy/ Logic & Philosophy	Biology/ Biochemistry/ Biotechnology	Geography	Physics	Business Mathematics
Geology	Political Science	Chemistry	History	Psychology
Civics	Home Science	Sociology	Legal Studies	Statistics
Commerce/ Business Studies	–	–	–	–

Note : The University may define any other relevant subjects as academic/elective for a particular course.

In case an applicant has studied elective and core languages, the core/elective language subject will be treated as language, while elective language can be considered as academic/elective subject.

The College

Shaheed Rajguru College of Applied Sciences for Women a constituent college of University of Delhi and funded by Govt. of NCT of Delhi, was established in the year 1989. The College offers the following courses :

S. No.	Name of Course	S. No.	Name of Course
1	B. Sc. (Hons.) Biochemistry	8	B. B. A. [F. I. A.] (Bachelor of Business Administration [Financial Investment Analysis])
2	B. Sc. (Hons.) Biomedical Sciences	9	B. M. S. (Bachelor of Managment Studies)
3	B. Sc. (Hons.) Chemistry	10	B. Sc. (Hons.) Mathematics
4	B. Sc. (Hons.) Computer Science	11	B. Sc. (Hons.) Microbiology
5	B. Sc. (Hons.) Electronics	12	B. Sc. (Hons.) Physics
6	B. Sc. (Hons.) Food Technology	13	B. A. (Hons.) Psychology
7	B. Sc. (Hons.) Instrumentation	14	B. Sc. (Hons.) Statistics

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.

An important aspect of teaching process is the ability to learn, unlearn and relearn. The teaching philosophy of the college is to follow coherent relationship between the teacher and the taught. The college has efficient staff to carry out effective and smooth functioning of day to day activities.

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 extra and co-curricular activities as well. There are various societies in the college that a student can join to explore her potential apart from academics.

Since quality enhancement is a continuous process, the Internal Quality Assurance Committee (IQAC) is the part of the college system that works towards realization of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the college. Feedback response from students, parents and alumni leads to a continuous cycle of improvement. Result analysis is an important parameter to measure our strength. The college actively organizes inter and intra college workshops, seminars, activities etc. for holistic growth of students and staff. Mentorship for each student is another aspect of student-teacher interaction.

The Staff@SRCASW

Teaching Staff

Para-Teaching and Administrative Staff

The Faculty

Principal, SRCASW, DU

Dr. Payal Mago [1 4]
Ph.D. (Botany),
M.Sc. (Botany),
University of Delhi

Department of Biology

Dr. Rekha Mehrotra [# 2]
(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), DU

Department of Biomedical Science

Dr. Radhika Bakshi
(Assistant Professor)
Ph.D. (Biochemistry) AIIMS,
M.Sc. (Biochemistry), DU

Dr. Shruti Banswal [#]
(Assistant Professor)
Ph.D. (Molecular Biology & Biotechnology),
IARI Delhi, M.Sc. (Plant Molecular Biology), DU

Department of Biomedical Science

Dr. Varsha Mehra
(Assistant Professor)
Ph.D. (Biomedical Sciences) DU,
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), DU

Deptt. of Chemistry

Dr. Jasjeet Kaur [#]
(Associate Professor)
Ph.D. (Biotechnology), M.Sc. (Chem.),
Punjabi University, Patiala

Deptt. of Computer Science

Dr. Suruchi Chawla [#]
(Assistant Professor)
Ph.D. (Comp. Sc.), DU,
M.Tech. (CSE), Kurukshetra Univ.

Department of Computer Science

Ms. Deepali Bajaj
(Assistant Professor)
M.Phil. (CS), Madurai Kamraj Univ.,
MCA (IGNOU)

Dr. Aakanksha
(Assistant Professor)
Ph.D. (CS), DU, M.Phil. (CS), MKU
M.Sc. (CS), Banasthali Vidyapeeth

Ms. Venika Gupta [#]
(Associate Professor)
M.Phil. (Electronics),
M.Sc. (Electronics), DU

Department of Electronics

Ms. Preeti Singhal
(Associate Professor)
M.Phil. (Electronics),
M.Sc. (Electronics), DU

Dr. Amita Kapoor
(Associate Professor)
Ph.D. (Opto-Electronics), DU,
M.Sc. (Electronics), JMI University

Department of Food Technology

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

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

Ms. Para Dholakia [#]
(Assistant Professor)
M.Sc. (Food & Nutrition), M.S.,
University of Baroda

Department of Instrumentation

Dr. Daya Bhardwaj [# 3]
(Assistant Professor)
Ph.D., TERI University,
M.Sc. (MICA) Jiwaji University

Dr. Sneha Kabra
(Assistant Professor)
Ph.D. (Electronics),
M.Sc. (Electronics), DU

Department of Mathematics

Dr. Punita Saxena [#]
(Associate Professor)
Ph.D. (Maths) JMI University,
M.Phil., M.Sc., DU

Department of Physics

Dr. Alka Vohra Kuanr [#]
(Associate Professor)
Ph.D. (Physics),
M.Sc. (Physics), DU

[#] Teacher-in-Charge, Respective Department | [1] Co-ordinator, Department of Management and Financial Studies |
[2] Co-ordinator, Department of Microbiology | [3] Co-ordinator, Department of Psychology | [4] Co-ordinator, Department of Statistics |

Department of Biochemistry

'Innovation is our Tradition'

The Department conducts B.Sc. (Honors) Biochemistry which is a three-year program consisting of six semesters. The curriculum includes the study of molecules of life, an extensive tour of the cell, the study of proteins, enzymes and their correlation with human health and diseases, nutrition, metabolism, immunology, genetics, molecular biology to name some. This curriculum gives them a leverage to choose their masters programs and industrial jobs in a wide variety of disciplines giving the students an edge over other curricula. The department is located at the ground floor in the academic block.

Academic Achievements

University Toppers: Semester I– Rank 1: Himani, Rank 2: Deepika, Sabika; Semester V– Rank 1: Surabhi, Rank 2: Ritika, Rank 3: Gayatri, Aspiara, Priya Sinha, Anjali Jaiswal

A Promising Future – Research at UG Level

- The laboratories are well equipped with basic and advanced instruments including weighing balance, pH meter to UV visible spectrophotometer, refrigerated centrifuges, Vacuum Desiccator, Electric Tissue Grinder etc. to perform all kinds of experiments required for the undergraduate curriculum and polishing students' skills for industry as well as research.
- The lab was also involved in conducting research in the form of pioneering projects. A total of 8 research projects were conducted and all were accepted at an international conference (Nutricon'19). "To study the effect of natural ingredients on seborrheic dermatitis (dandruff)" (Principal Investigator: Dr. Lakshmi Sarin) won 1st prize in Innovative idea category and "To estimate the ascorbic acid content by using alternative method: Iodine clock" (Principal Investigator: Dr. Sadhna Jain) won 2 nd prize in Research oral presentation at International conference on "Frontiers of Biochemistry & Biotechnology: Strategies to combat human diseases" at Shivaji College.
- Students visited Dabur Research Foundation, attended a workshop at Translational Health Science and Technology Institute (THSTI) and went for an educational visit to South Campus.

Extra-Curricular Activities

- "Vinculum", the student society of the department organizes seminars and workshops with national & international eminent personalities to keep them updated with latest research developments and fuel their inquisitiveness.
- Another highlight of the department is its annual tech-fest "Plexus" which is organized every year to celebrate the essence of science. The department also releases its annual departmental magazine 'Unlocking Minds'.
- Apart from academics, the aim is a holistic development of the students. To achieve it, different festivals are celebrated to enrich the students with our cultural heritage and recreational trips are organized.
- To live a healthy, life we need to have clean and healthy environment. It is the responsibility of each one of us to take care of our environment. On that front, a drive – "Say no to Plastics" is religiously followed and each student is provided with a ceramic cup to minimize plastic usage.

Course Contents

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-IV : 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 (for other departments)
(Any one per Semester in Semester 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

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 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 College 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 Department 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 had 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 India Limited, 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
C-I BMS-101 : Bioorganic Chemistry C-II BMS-102 : Cell and Radiation Biology AECC-I : English/MIL Communication or EVS GE-I : Generic Elective	C-III BMS-201 : Principles of Genetics C-IV BMS-202 : Human Physiology & Anatomy I AECC-II : EVS or English/MIL Communication GE-II : Generic Elective
SEMESTER 3	**SEMESTER 4**
C-V BMS-301 : Biochemistry C-VI BMS-302 : Human Physiology & Anatomy II C-VII BMS-303 : Medical Microbiology SEC-I : Skill Enhancement Course GE-III : Generic Elective	C-VIII BMS-401 : Immunobiology C-IX BMS-402 : Molecular Biology C-X BMS-403 : Medicinal Chemistry SEC-II : Skill Enhancement Course GE-IV : Generic Elective
SEMESTER 5	**SEMESTER 6**
C-XI BMS-501 : Biophysics C-XII BMS-502 : Pharmacology DSE-I : Discipline Specific Elective DSE-II : Discipline Specific Elective	C-XIII BMS-601 : Human Pathology C-XIV BMS-602 : Toxicology 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

GE 1-4 : Generic Elective Papers (for other departments)
(Any one per Semester in Semester I-IV)
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 Disease
BMS-G10 : Pharmacology and Toxicology
BMS-G11 : Tools and Model Organisms in Biomedical Research

SEC 1-2 : Skill Enhancement Course
(Any one per Semester in Semesters III-IV)
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 (for other department)
(Any two per Semester in Semesters V-VI)
BMS-A : Computational Biology and Drug Discovery
BMS-B : Genome Organisation and Function
BMS-C : Human Genetics
BMS-D : Medical Biochemistry
BMS-E : Medical Biotechnology
BMS-F : Project Work
(can be chosen only in Semester VI)

Department of Chemistry

The Department of Chemistry conducts a three year programme B.Sc. (Hons.) Chemistry. The department has four well-equipped laboratories including a research laboratory. The laboratories cater to three broad branches of chemistry viz. inorganic, organic, physical chemistry. 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 organises technical festival and workshops aimed at enriching the teaching faculty and para-teaching faculty. Educational excursion educate the students beyond classroom.

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 Generic Elective-1 Practical	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 Generic Elective-2 Practical
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 Generic Elective-3 Practical	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 Generic Elective-4 Practical
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   Novel Inorganic Solids
DSE-2   Inorganic Materials of Industrial Importance
DSE-3   Applications of Computers in Chemistry
DSE-4   Analytical Methods in Chemistry
DSE-5   Molecular Modelling & Drug Design
DSE-6   Polymer Chemistry
DSE-7   Research Methodology for Chemistry
DSE-8   Green Chemistry
DSE-9   Industrial Chemicals & Environment
DSE-10 Instrumental Methods of Chemical Analysis
DSE-11 Nanoscale Materials and their Applications
DSE-12 Dissertation

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

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 Org. 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 chem., Polynuclear hydrocarbons & UV, IR, Spectroscopy
7. Molecules of life
8. Green Chemistry - Designing Chemistry for Human Health and Environment

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

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 etc. 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 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 windows operating System with Wi-Fi connectivity;**
- **3 High-end HP servers and 1 laptop;**
- **A good combination of Licensed Software and Free/Open Source Software to enrich student practical experience; and**
- **1 server printer, 4 laser printers and 2 scanners.**

Each lab has LCD projectors which are used as a teaching aid for seminars and presentations.

It has the latest software like Turbo C++, Oracle 10Gi, Strawberry Prolog, Multimedia Tools, Red Hat Linux, Visual Studio, Quincy 2005, latest Java SE Development Kit, CPU Simulator, Weka, Linux Red hat, Octave, Android Studio, XAMPP, MASM etc. To enhance the spirit of research work among students the labs are equipped with an 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 and teaching rooms. 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
BHCS01 : Programming Fundamentals using C++ BHCS02 : Computer System Architecture AECC-I : English/MIL Communication or EVS GE-I	BHCS03 : Programming in JAVA BHCS04 : Discrete Structures AECC-II : EVS or English/MIL Communication GE-II
SEMESTER 3	**SEMESTER 4**
BHCS05 :Data Structures BHCS06 : Operating Systems BHCS07 : Computer Networks SEC-I GE-III	BHCS08 : Design and Analysis of Algorithms BHCS09 : Software Engineering BHCS10 : Database Management Systems SEC-II GE-IV
SEMESTER 5	**SEMESTER 6**
BHCS11 : Internet Technologies BHCS12 : Theory of Computation DSE-I DSE-II	BHCS13 : Artificial Intelligence BHCS14 : 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-1 (Choose any one)
a) BHCS15A   Data Analysis and Visualization
b) BHCS15B   System Programming
c) BHCS15C   Combinatorial Optimization

DSE – 2 (Choose any one)
a) BHCS16A   Digital Image Processing
b) BHCS16B   Microprocessors

DSE – 3 (Choose any one)
a) BHCS17A   Information Security
b)   BHCS17B   Data Mining
c) BHCS17C   Advanced Algorithms

DSE – 4 (Choose any one)
a) BHCS18A   Machine Learning
b) BHCS18B   Deep Learning
c) BHCS18C   Unix Network Programming
d) BHCS18D   Project Work/ Dissertation

Skill Enhancement Courses (Credit : 04 each)

SEC -1 (Choose any one)
a)   BHCS19A   Web Design and Development
b)   BHCS19B   Programming in Python

SEC – 2 (Choose any one)
a)   BHCS20A   Android Programming
b)   BHCS20B   Introduction to R Programming

General Elective Papers (GE) for other Departments / Disciplines : (Credit : 06 each)

GE-1 CSGE101 Programming using Python
GE-2 CSGE201 Database Management System
GE-3 CSGE301   Computer Networks
GE-4 CSGE401   Information Security and Cyber Laws

Department of Electronics

The Department conducts B.Sc. (Hons.) Electronics, a three-year degree program. The Deptt. has seen a considerable growth since its inception in 1989. The vision and aim of the Department is to offer high quality education in the field of electronics to address the growing challenges of tomorrow. Circuit and Networks, Digital and Analog, Communication, Microprocessor, Opto-electronics and Electronics Simulation are some of the laboratories. These laboratories are equipped with digital storage oscilloscopes, function generators, power supplies, multi meters, sophisticated 8085/8086 microprocessor trainer kits etc. and latest simulation software. The Department has a small library which is used by the faculty and students during practical and otherwise. The laboratories have about 55 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. The Department also promotes 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 named "Vidyut".

B.Sc. (Hons.) Electronics (LOCF)

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

C : Core Courses; CL : Core Labs; 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
Group 1 (V Semester) (DSE I, II)
1. Power Electronics
2. Numerical Analysis
3. Digital Signal Processing
4. Basic VLSI Design
5. Computer Networks
6. Semiconductor Fabrication and Characterization
7. Biomedical Instrumentation
Group 2 (VI Semester) (DSE-III, IV)
1. Electrical Machines
2. Modern Communication Systems
3. Control Systems
4. Transmission Lines, Antenna and Wave Propagation
5. Nanoelectronics
6. Embedded Systems
7. Dissertation/ Project work
Skill Enhancement Course (SEC) (02 papers)
(Credit : 02 each) SEC-I to SEC-II
1. Design and Fabrication of Printed Circuit Boards
2. Robotics
3. Mobile Applications Development

4. Internet and Java Programming
5. Programming with LabVIEW
6. Artificial Intelligence
7. Internet of Things
8. Data Sciences
9. Cyber Security
10. 3D Printing and Design
11. Virtual Reality

Generic Elective Papers (GE) for other Departments/Disciplines (Credit : 06 each)
1. Electronic Circuits and PCB Designing
2. Digital System Design
3. Instrumentation
4. Practical Electronics
5. Communication Systems
6. Microprocessor and Microcontroller Systems
7. Consumer Electronics
8. Computational Mathematics
9. Applied Mathematics-I
10. Applied Mathematics-II
11. Artificial Intelligence
12. Internet of Things
13. Data Science

Any core courses can be offered as Generic Elective.

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 Instrumentation 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 canning unit, dehydration unit, fluidized bed freezer and deep freezer and pilot plant II houses bakery and ice cream unit. The departmental library has reference books, project reports and product development literature with computers and internet facilities for the students.

The analytical labs have moisture meter, bursting strength tester, vacuum oven, Brookfield viscometer (digital and analog), Abbes refractometer, 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 analyser, atomic absorption spectrophotometer, Rancimat, fat analyser, Protein analyser, Reverse Osmosis plant and SO_2 estimation assembly. The Department celebrates World Food Day each year and organizes workshop, training, invited lectures, seminars and webinars on regular basis to abreast students about the recent development in the field. Alumni of the Department of food technology are well placed in reputed institutes and industries. Students of the department have also received national and international awards in various forums of food science and technology. The Department has received a grant of fifty lakhs from Ministry of Food Processing towards purchase of various sophisticated equipment in the past.

Educational visits of the students are also organized by the department to various industries and research institutes like NDRI-Karnal, Mother dairy-Delhi, Safal-Delhi and Yakult-Sonipat. Students get selected in reputed colleges in India and abroad to pursue higher education like CFTRI – Mysore, Indian institute of packaging – Delhi and Mumbai, NDRI-Karnal, NIFTEM Sonipat, Cornell University and University of Netherlands etc. Students also received scholarship from various government and non-government organisations like PFNDAI (Protein foods and nutrition development association of India) and CII-SKA (Confederation of Indian Industries-Surakshit Khadya Abhiyan). Students also get placed in various food industries like Mother dairy-Delhi and Yakult-Sonipat. Department is focusing to train the students in new product development and has an entrepreneurship development cell for skill enhancement. Students of the department are also involved in writing research and review papers for their projects and are also sent to various industries for summer internships. The Department in collaboration with other departments of College or with various organizations organises workshop, certificate courses, training programs, seminars etc. for students as wee as faculties. The Department also promotes various outreach activities or extension activities for the overall growth and development of students.

B.Sc. (Hons.) Food Technology

SEMESTER 1	SEMESTER 2
C-I : Fundamentals of Food Technology C-II : Principles of Food Science AECC-I : English/MIL Communication or EVS GE-I*	C-III : Technology of Food Preservation C-IV : Food Processing Technology AECC-II : EVS or English/MIL Communication GE-II*
SEMESTER 3	**SEMESTER 4**
C-V : Food and Nutrition C-VI : Technology of Fruits, Veg. & Plantation Crops C-VII : Technology of Dairy & Sea Foods SEC-I* GE-III*	C-VIII : Technology of Cereals, Pulses and Oil Seeds 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)

(for other department)

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)

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 Instrumentation and Electrical Machine Laboratory have various equipment's 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.This year department has added Computer systems in various laboratories of department for running simulation-based practicals.The Department organizes workshop, training, invited lectures and seminars on regular basis to update students about the latest development in the field. This year (2019-2020) department has organized various activities namely (1) A training program on the project entitled" Antimicrobial activity of medicinal plant extracts: In vitro and in silico approach" for 10 students of St. Joseph's College for Women, Vishakhapatnam, Andhra Pradesh in collaboration with other departments, (2) Interaction session with Alumni under activity "Vyakhyan", (3) Industrial visit to Waters India Pvt. Ltd, All India Institute of Medical Sciences for Leadership dialogue Series, Global Bio-India Summit, International Summit on Women in STEM. (4) IEEE EDS Distinguished Lecturer talk on "Nanotechnology Science and Engineering Amalgamation Emerging Liberalism of Homo Sapiens, (5) Technical Fest 'Technexus', (6) Hands-On Workshop on the topic "I-SENSO BOTZ for Embedded System Design". (7) IEEE electron devices Society Mini Colloquium on "Nano-electronics and advanced semiconductor devices for future electronics".

The faculty of the department have been taking online classes during pandemic nCovid-19. Department also oragnised health awareness webinar during pandemic period on topic "National Webinar on Role of technocrats in healthcare emergencies like ncovid-19". Virtual Interaction session with Alumni under activity VYAKHYAN 2020, online virtual Farewell and online Competition for maintaining personal hygiene both at home and outside were also organised.

Course Contents

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
2. Signal and Systems
3. Advanced Analytical Instrumentation
4. Communication System
5. Advanced Biomedical Instrumentation
6. Embedded System and Robotics
7. Process Control Dynamics
8. Reliability and Quality Control Techniques
9. Dissertation

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

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

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 Deptts/Disciplines (Credit : 06 each)

1. Sensors and Actuators
2. Instrumentation & Control
3. Analytical Instrumentation
4. Nuclear & Biomedical Instrumentation
5. Machine Intelligence
6. Standardization and Quality Control
7. MATLAB and its Applications
8. General Instrumentation
9. Applied Mathematics

Department of Management and Financial Studies

Since its commencement in 2017, the Department of Management and Financial Studies (DMFS) has been dedicated to its vision of being a pioneer in nurturing next generation leaders and change agents, strongly rooted in eternal values, fostering excellence in all the fields of society. The department is committed to fulfilling the mission of:

- Contributing towards excellence in leadership, financial and management education to ensure its relevance to the needs of society and people around.

- Nurturing young and dynamic leaders, entrepreneurs and policy makers of tomorrow who can solve complex organizational, financial and managerial problems through providing an environment of collaborative and multi-disciplinary activities.

- Establishing as a center of excellence in upcoming areas of management and finance by innovative and research activities among faculty and students.

Under the LOCF scheme, the Department offers two undergraduate courses – Bachelor of Management Studies [BMS] and Bachelor of Business Administration (Financial Investment Analysis) [BBA (FIA)]. Our college is among the only two colleges in University of Delhi which offers the BBA (FIA) course. We, at our college, furnish the students with a well-equipped library which is a repository of works by several distinguished authors. Also, it's an unparalleled source of learning and research in the vast array of Marketing, Taxation, Finance, Economics, Human Resource Management, Global Business, Accountancy, Business Law, Statistical Methods and many more.

We believe that education doesn't stop at classroom doors and student activities play a vital role in creating opportunities to pursue some new endeavors or lifelong interests. There are a multitude of college societies to indulge in that were instigated by the students of DMFS such as Enactus, Mark-Haven (The Marketing Society), Raqam (The Finance Society), and Globetrotters (The Travel & Tourism Society).

The department organizes its annual fest 'Iidiara' with star performers like Mr Harsh Gujral and conducts numerous educational field visits and trips which provides a great platform to develop and hone their managerial and analytical skills. Many seminars, webinars and symposiums by eminent speakers such as Mr. Harsh Gupta (Assistant Director, Moody's Analytics Knowledge Services), Prof. Ram Singh (Delhi School of Economics), Dr. Ramgopal Agarwala (Ex-Chief Economist, World Bank) and many more are organized to serve the core academic functions of the department and also to keep the students abreast with the latest happenings in the boardroom of big corporate houses. A plethora of workshops are conducted focusing on leadership, financial tools, personality development and social outreach to prepare the students for the corporate world.

The Training and Placement Cell facilitates the placements of the graduate students and conducts group discussions as well as campus interviews. The students have done internships at some of the leading organizations like Ernst and Young, Bajaj Capital, Sharekhan and many more. Students have been provided with many internship opportunities to obtain a first-hand exposure in the corporate world to further hone their leadership and managerial skills. With placements at FIS Global and Chegg India and an average package of around 3.4 lacs p.a., the department has done fairly well for the first ever graduating batch. Some prospective fields where the students can go for internships are:

- Marketing: Assistant Brand Manager; Technical Marketing Assistant; Media Planner & Buyer Supply Chain Management; E-commerce Analyst Banking
- Finance and Accountancy: Global Investment Manager; Mergers & Acquisitions Analyst; Audit or Tax Trainee; Treasury Assistant
- Human Resources: International Recruitment Consultant; Training Coordinator
- IT: Systems Analyst; Project Analyst
- Others: Investment Advisory Services, Portfolio Management Services, Corporate Finance, International Finance, Capital and Money Markets, Merchant Banking, Credit Rating, Venture Capital, Forex Advisory Services etc.

Bachelor of Management Studies (BMS)

SEMESTER 1	SEMESTER 2
AECC101 : Language/EVS MC 102 : Fundamentals of Management & Organisational Behaviour MC 103 : Statistics for Business Decisions GE-I : Generic Elective	AECC 201 Language/EVS MC 202: Managerial Economics MC 203: Business Accounting GE-II: Generic Elective
SEMESTER 3	**SEMESTER 4**
MC 301: Macroeconomics MC 302: Principles of Marketing MC 303: Management Accounting SEC-I: Skill Enhancement Course GE-III: General Elective	MC 401: Business Research MC 402: Human Resource Management MC 403: Financial Management SEC-II: Skill Enhancement Course GE-IV: General Elective
SEMESTER 5	**SEMESTER 6**
MC 501: Quantitative Techniques for Management MC 502: Legal Aspects of Business DSE-I: Discipline Specific Elective DSE-II: Discipline Specific Elective	MC 601: Business Policy and Strategy MC 602 Financial Institutions and Markets DSE-I: Discipline Specific Elective DSE-II: 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. Fundamental of Marketing Management
2. India's Diversity in and Business
3. Business Legislation
4. Ethics and Corporate Social Responsibility
5. Fundamentals of Human Resource Management
6. Entrepreneurship and New Venture Creation
7. Production and Operations Management
8. Money and Banking

Skill Enhancement Course
(Any one per Semester in Semesters III-IV)
1. Advanced Spreadsheet Tools for Business Analysis
2. Software for Data Extraction and Analysis
3. IT tools for Business
4. Personality Development and Communication
5. Statistical Software Package
6. E Commerce
7. Basic Econometrics Using Software
8. Business Analytics

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). An additional paper in Research project mode (Semester-long Research Project) may be offered at Semester VI as extra credit paper under discipline specific electives. Students can choose one Research project as extra paper under the guidance of a teacher.
DSE-I (Finance)
1. Strategic Corporate Finance
2. Investment Analysis and Portfolio Management
3. Project Appraisal and Implementation
4. Business Analysis and Valuation

5. International Finance
6. Investment Banking and Financial Services
7. Financial Time Series Econometrics
8. Derivatives and Risk Management

DSE-II (Marketing)
1. Consumer Behavior
2. Personal Selling
3. Marketing of Services
4. International Marketing
5. Retail Management
6. Advertising and Brand Management
7. Distribution and Supply Chain Management
8. Digital Marketing
9. Research Projects

DSE-III (Human Resource Management)
1. Training and Management Development
2. Management of Industrial Relations
3. HRD: Systems and Strategies
4. Counseling and Negotiation Skills for management
5. Talent and Knowledge Management
6. Performance and Compensation Management
7. Organizational Development
8. International Human Resource Management
9. Research Projects

DSE-IV (Management of Global Business)
1. International Trade: Policies and Strategies
2. Transnational and Cross Cultural Marketing
3. International Accounting and Reporting System
4. Multinational Business Finance Global Business Environment
5. International Supply Chain Management
6. International Joint Ventures, Mergers and Acquisitions
7. Cross Cultural Human Resource Management
8. Research Projects

Bachelor of Business Administration (Financial Investment Analysis) BBA (FIA)

SEMESTER 1	SEMESTER 2
FC101: AECC: Environmental Science FC102: Financial Accounting & Analysis FC103: Managerial Economics GE-I: General Elective	FC 201: AECC: Business Communication (Language : English/MIL) FC 202: Statistics for Business FC 203: Cost & Management Accounting GE-II: General Elective
SEMESTER 3	SEMESTER 4
FC 301: Income Tax FC 302: Corporate Finance FC 303: Financial Markets and Institutions SEC-I: Skill Enhancement Course GE-III: General Elective	FC 401: Macro Economics FC 402: Quantitative Techniques FC 403: Financial Econometrics SEC-II: Skill Enhancement Course GE-IV: General Elective
SEMESTER 5	SEMESTER 6
FC501: Investment Analysis & Portfolio Management FC 502: Financial Derivatives DSE-I : Discipline Specific Elective DSE-II : Discipline Specific Elective	FC 601: Corporate Restructuring FC 602: International Finance DSE-I : Discipline Specific Elective DSE-II : 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. Business Ethics & Corporate Governance
2. Fundamentals of Financial Management
3. Operations Management
4. Fundamentals of Econometrics
5. Entrepreneurship Theory and Practices

Skill Enhancement Course

(Any one per Semester in Semesters III-IV)

1. IT Tools for Business.
2. Financial Database and Analysis Software
3. Financial Analytics

4. Advanced Spreadsheets Tools for Financial Analysis
5. Summer Internship (6-8weeks)

Discipline Specific Elective

(Any two per Semester V-VI)

1. Investment Banking & Financial Services
2. Corporate Analysis & Valuation
3. Business Tax Planning
4. Advanced Financial Econometrics
5. Strategic Corporate Finance
6. Behavioral Finance
7. Management of Financial Institutions
8. International Financial Architecture
9. Research Projects (additional course for extra credit)

Department of Mathematics

The Department of Mathematics conducts a three year under-graduate program, B.Sc.(H) Mathematics. In addition, the department also offers a variety of optional papers for the students of other disciplines that can be taken as Generic Elective courses by them. The department has been instrumental in the functioning of the college ever since its inception. The department is a thriving community of dedicated and research oriented teachers and diligent and devoted students. The students are provided ample opportunities to develop organisational skills and improve their ability to work in a team.

The department is located on the second floor of the Academic Block of the college. The department has well-equipped labs with high speed broadband internet facility. The systems are installed with mathematical and statistical softwares such as Mathematica, R, LaTex, HTML, SciLab and Octave. The curriculum of the course is designed in such a manner that the students get an opportunity to get trained in these softwares.

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. The department makes a constant effort to encourage students to explore and pursue research interest by organising various seminars and workshops. The students are inspired to collaborate with other departments for research projects. For a holistic development of students, the department emboldens the students to participate in the cultural and sport events of the college.

Course Contents

B.Sc. (Hons.) Mathematics

SEMESTER 1	SEMESTER 2
BMATH-101 : Calculus BMATH-102 : Algebra AECC-I : English/MIL Communication or EVS GE-I	BMATH-201 : Real Analysis BMATH-202 : Differential Equations AECC-II : EVS or English/MIL Communication GE-II
SEMESTER 3	**SEMESTER 4**
BMATH-301 : Theory of Real Functions BMATH-302 : Group Theory-I BMATH-303 : Multivariate Calculus SEC-I : LaTex and HTML GE-III	BMATH-401 : Partial Differential Equations BMATH-402 : Riemann Integration & Series of Function BMATH-403 : Ring Theory and Linear Algebra-I SEC-II : Comp. Algebra Systems & Related Softwares GE-IV
SEMESTER 5	**SEMESTER 6**
BMATH-501 : Metric Spaces BMATH-502 : Group Theory-II DSE-I DSE-II	BMATH-601 : Complex Analysis BMATH-602 : 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 Analysis, or
(ii) Mathematical Modeling & Graph Theory, or
(iii) C++ Programming for Mathematics

DSE-II
(I)   Probability Theory and Statistics, or
(ii) Discrete Mathematics, or
(iii) Cryptography and Network Security

DSE-III
(I)   Mathematical Finance, or
(ii) Introduction to Information Theory and Coding, or
(iii) Biomathematics

DSE-IV
(i)   Number Theory, or
(ii) Linear Programming and Applications, or
(iii) Mechanics

Generic Electives (GE) Papers (for other department)

Odd Semester

GE-I : Calculus/ Analytic Geometry

GE-III : Differential Equations / Linear Programming and Game Theory

Even Semester

GE-II : Linear Algebra / Discrete Mathematics

GE-IV : Numerial Methods/Elements of Analysis

Department of Microbiology

The Department of Microbiology is currently offering a three-year B.Sc.(Hons.) Microbiology program under CBCS Mode. Microorganisms have an immense impact on our day to day lives, be it maintenance of the environment and serving as important industrial tools or as causative agents of several human, animal and plant diseases as well as food spoilage. The vision of the department is to educate and train students in the discipline of microbiology and to expand the body of knowledge of this scientific field through active research. The department aims at creating awareness and sensitizing a common man through social outreach programs about the importance of microorganisms affecting each one of us.

Among the many reasons to study microbiology is to gain basic knowledge of the field needed to pursue careers in medical science, ecology, agriculture, pharmaceutical sciences and diagnostics, aquatic microbiology and biotechnology.

The Department has spacious laboratories with basic and advanced instruments and has facilities such as media preparation room, bio-instrumentation room, inoculation room and a culture room. The labs are well-equipped with various instruments like microscopes, shaker incubator, laminar flow cabinet, incubator, UV spectrophotometer, centrifuge, digital pH meter, electronic weighing balances, colony counter, gel electrophoresis units, tissue culture racks, autoclaves etc.

The Department has a duly elected student council "ETHEREAL" which organises events, seminars and interactive sessions with eminent scientists, academicians and entrepreneurs to abreast them with latest research in the field. The department also regularly organizes field trips to various reputed research laboratories and industries.

B.Sc. (Hons.) Microbiology

SEMESTER 1	SEMESTER 2
MICROB-CC101: Intro. to Microbiology & Microbial Diversity MICROB-CC102: Bacteriology AECC-I : Environmental Science GE-I : Generic Elective	MICROB-CC201: Biochemistry MICROB-CC202: Cell Biology AECC-II : English communication/ MEL GE-II : Generic Elective
SEMESTER 3	**SEMESTER 4**
MICROB-CC301: Microbial Physiology & Metabolism MICROB-CC302: Environmental Microbiology MICROB-CC303: Molecular Biology SEC -1: Skill Enhancement Course GE-3: Generic Elective	MICROB-CC401: Microbial Genetics and Genomics MICROB-CC402: Virology MICROB-CC403: Food and Dairy Microbiology SEC -2: Skill Enhancement Course GE-4: Generic Elective
SEMESTER 5	**SEMESTER 6**
MICROB-CC501: Industrial Microbiology MICROB-CC502: Immunology DSE-1: Discipline Specific Elective DSE-2: Discipline Specific Elective	MICROB-CC601: Medical Microbiology MICROB-CC602: Recombinant DNA Technology DSE-3: Discipline Specific Elective DSE-4: 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
5. Applications of Microbes in Biotechnology
Semester-IV
6. Industrial and Food Microbiology
7. Microbes in Environment
8. Medical Microbiology and Immunology
9. Genetic Engineering and Biotechnology

Skill Enhancement Course
(Any one per Semester in Semesters III-IV)
1. Microbial Quality Control in Food & Pharma. 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
7. Fundamentals of Bioinformatics
8. Biostatistics

Discipline Specific Elective (for other department)
(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 a three-year programme 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 conducts invited talks and educational talks through its society – "TACHYONS". 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.

Course Contents

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 Psychology

The Department of Psychology was established in the year 2017 and currently runs a three-year undergraduate course for B.A. (Honours) Psychology. The curriculum has been designed to provide theoretical and applied knowledge in the various sub-domains of Psychology viz; Foundations of Psychology, Social and Cultural Psychology, Clinical Psychology, Life Span Development, Organizational Behaviour, Statistics and Research Methodology, and Bio- Psychology.

The aim of the Department is to produce psychologists who can apply conceptual knowledge to the real world settings. The teaching-learning process includes interaction based lectures, use of e-learning resources, audio-visual aids, movie screening, journals and research articles to enrich the learning process amongst students. The Department encourages students to develop a holistic approach and to explore research interests beyond classroom teaching.

The Department has an academic society named 'Psymentia' – a window to psyche mind and conscientia. Since 2017, the aim of the society is to organize various activities like workshops, seminars and interactive sessions by eminent speakers for the students. It helps in providing applied knowledge of various upcoming fields of psychology. The highlight of the society is its Annual Psychology Fest 'Trezire' which organizes various events like panel discussion, seminar, workshop and inter college competitions. The Department also releases its annual magazine 'Sophrosyne' that has the annual details of its achievements.

The Department thus provides an enriching environment to students for engagement in academic activities and beyond.

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-IV : 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+Tutorial) 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 : Developmental 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; SEC : Skill Enhancement Courses; DSE : Discipline Specific Elective

Elective : Generic (GE) (Any 4, each in Sem. I, II, III and IV)
GE PSY 01 General Psychology
GE PSY 02 Psychology over the Life Span
GE PSY 03 Psychology for Health and Well-being
GE PSY 04 Psychology at Work
GE PSY 05 Psychology and Media
GE PSY 06 Inter Group Relations
GE PSY 07 Youth Psychology
GE PSY 08 Psychology and Mental Health
GE PSY 09 Understanding Intimate Relationships
GE PSY 10 Positive Psychology: Understanding Human Strengths
GE PSY 11 Social Psychology: Understanding Human World

Ability Enhancement Elect. Course (AEEC) (Skill based-SEC)
Any 2, 1 in Semester III and 1 in Semester IV
SEC PSY 01 Emotional Intelligence
SEC PSY 02 Stress Management
SEC PSY 03 Effective Decision Making
SEC PSY 04 Educational Psychology
SEC PSY 05 Human Resource Practices

SEC PSY 06 Personal Growth and Development
SEC PSY 07 Psychological Skills in Organizations
SEC PSY 08 Psychology of Relationships
SEC PSY 09 Learning how to Learn
SEC PSY 10 Research Publication and Presentation
SEC PSY 11 Skills of Communication

Elective : Discipline Specific (DSE) (Any 4)
(2 in Semester- V AND 2 in Semester -VI)
DSE-PSY-01 Positive Psychology
DSE-PSY-02 Human Resource Management
DSE-PSY-03 Health Psychology
DSE-PSY-04 Community Psychology
DSE-PSY-05 Cultural and Indigenous Psychology
DSE-PSY-06 Project/Dissertation (VI Semester)
DSE-PSY-07 Psychological Perspectives in Education
DSE-PSY-08 Psychology of Disability
DSE-PSY-09 Psychology of Peace
DSE-PSY-10 Forensic Psychology
DSE-PSY-11 Introduction to Indian Psychological Thought
DSE-PSY-12 Environmental Psychology
DSE-PSY-13 Cognitive Psychology

Department of Statistics

It is well known that, Statistics, construed broadly, is the study of uncertainty: how to measure it (using ideas and methods in probability theory), what to do about it (using concepts from statistical inference and decision theory) and also learns "How to play with data..?", Statistics is a key foundational discipline for data science, and has applications in a wide variety of fields in recent era.

Welcome to the Department of Statistics. The department was established in the year 2017 with the objective to start a three-year undergraduate 'Bachelor of Science' Degree Course in Statistics for the students, namely sound as "B.Sc. (Hons.) Statistics". Through this Statistical course, students learn the basic knowledge of Statistical Tools and imply its applications in practical real life situations. Apart from this, the department has a society by name of "Parastika" organizing various lecture series, seminars, webinars and trainings on the basis of more updated informative statistical studies that given by eminent professors under the banner of the society.

As statisticians are high on demands and have an immense scope to raise, the demands of Statistical Skills for future career's aspects in many several fields like IT Sectors, Research Area, Business and Financial, Economic and Social Science, Biomedical Sciences and so on, the department are also imparting various useful statistical skills developments activities. The department has well furnished laboratory with the variety of several software in computer systems. The students gets expertise by learning of recent demanding in software(s) skills like R-software language, SPSS, TORA, Mathematica and EXCEL that allows qualified students to get a leg up in graduate level government jobs and private sector jobs applications. After this course students can apply for Survey Investigator, Statistician, Data Analyst, Data Scientist, Research scholar and so on that allowing them to gain much deeper knowledge of Statistic's tools.

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-IV : 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: Stat. Computing using C/C++ Programming DSE-I : Discipline Specific Elective DSE-II : Discipline Specific Elective	C-XIII: Design of Experiments C-XIV: Multivariate Analysis & 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 : 06each)

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 Physical Education & Sports

For the nation to progress, the health of the students has to be nurtured so as to make them a powerhouse. 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:

1. **Sporting Facilities** : The College provides facilities for Athletics, Aerobics, Badminton, Cross country, Gymnastics, Kho-Kho, Volleyball, Table 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.

2. **Participation in Tournaments** : Our students regularly participate in 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 achievements. College provides all the required back-up support.

3. **SPARDHAA**, the Sports Fest, invites teams from different colleges/institutions to participate and exhibit their sports talent, leadership and comradery. In SPARDHA-2020, athletes from 42 different colleges of University of Delhi took part and showcased their talents through healthy competitions in nine sports events.

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

5. **Physical Education as Subject of Teaching** : Department of Physical Education & Sports Sciences offers Generic Elective Paper in Physical Education.

   Semester I : Yoga and Stress Management

   Semester II : Obesity Management

   Semester III : Aerobics Training

   Semester IV : Fitness and Exercise Management

The college boasts of a hi-tech auditorium with a seating capacity of about 600, an aesthetically designed amphitheater, several seminar halls, capacious classrooms, well-equipped gym, beautiful gardens and well-maintained lawns. It also has an on-campus hostel which accommodates about 120 students. The college hostel gives students a neat, clean and comfortable place to live in.

The Library

The College library has approximately 19100 books, 20 printed journals and magazines; and many scientific encyclopedia and periodicals covering all aspect of fundamental science. 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.

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 Identification 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.

Other Infrastructural Facilities

Besides the above, the college has auditorium, amphitheater, lecture theaters, conference rooms, well-furnished staff-rooms for the faculty, cafeteria, hostel and a lush green playground, too.

Hostel

Conference Room

Amphitheater

Playground

e-Library

The Cafeteria

Milestones@SRCASW

Inter-Institutional Agreement 2017-19

The college has become part of Erasmus project No-2017-1-CZ01-K107-034877 (Key Activity1) along with the Silesian University, Faculty of Philosophy and Science in Opava, Czech Republic. The partner institute has agreed to cooperate for the exchange of students and/or staff in the context of the Erasmus+ program for 2 academic years, that is 2017/2018 and 2018/2019. The college is under process of initiating many more international exchange programs along with other renowned universities in Europe.
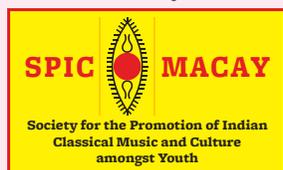
SLEZSKÁ UNIVERZITA V OPAVĚ

SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES FOR WOMEN

Technology Business Incubator (TBI)

Technology Business Incubator, Shaheed Rajguru College of Applied Sciences for Women (DU) has recently been awarded the approval to have Technology Business Incubator (TBI) supported by the Micro, Small and Medium Enterprises (MSME) – DI, New Delhi. The mission of incubator is to stimulate the establishment and growth of technology based startups. By fulfilling this mission, the TBI would contribute to job creation and generate revenue to run the incubator without support. One of the startup on 'Mushroom Cultivation' is being incubated in this.

SPIC Macay

SPIC MACAY
Society for the Promotion of Indian Classical Music and Culture amongst Youth

SPIC MACAY is a non-political nationwide voluntary movement that organizes programs of classical music and dance, folk arts, crafts, yoga, classic cinema screenings, heritage walks, etc. The College , in association with 'Spic Macay' , organized a Qawwali Program by Qutbi Brothers in the College Auditorium as part of Spic Macay's series of cultural events, Virasat 2018.

NIRF Ranking

NIRF, The National Institutional Ranking Framework, e-Released the India Rankings 2020 on 11th June 2020 by Hon'ble Minister Shri Ramesh Pokhriyal 'Nishank'. In the College category Shaheed Rajguru College of Applied Sciences for Women, obtained the 67th position ,amongst the 1,659 participating institutions, with an overall score of 53.22 The College was previously at the 31st position, The framework outlines a methodology to rank institutions across the country. The methodology draws from the overall recommendations broad understanding arrived at by a Core Committee set up by MHRD, to identify the broad parameters for ranking various universities and institutions. The parameters broadly cover "Teaching, Learning and Resources,"(TLR) "Research and Professional Practices,"(RPC) "Graduation Outcomes,"(GO) "Outreach and Inclusivity,"(OI) and "Perception". The College is a Grade 'A" institute accredited by NAAC in 2015.

Institution's Innovation Council

College has established an Innovation council, as per the guidelines of MHRD to systematically foster the culture of Innovation. The primary mandate is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are in their informative years. Various activities organized under IIC include Orientation &Regional Mentoring Session, Participation in the First Annual Innovation Festival, Webinars on Leadership Talk Series, a workshop on concept of Entrepreneurship & IPR & IIC Innovation Ambassador Training (for faculty).

[i-Hub] Entrepreneurship Development Cell

EDP-cell wishes to inculcate and enrich the entrepreneurial environment in and around college by creating an easily accessible and exhaustive set of resources for the young entrepreneurs, which includes the students, the budding professionals and mentors. EDP-Cell effectively meets these objectives through networking student enterprises from campus to companies, seeding funds and investors to transform the newly proposed ideas into successful start-ups. Workshops and inter college competitions are organized in association with national professionals and eminent personalities to create awareness and motivate students about entrepreneurship. In session 2019-20, a team of 10 students from ED Cell participated in the National Entrepreneurship Competition entitled **"E-Summit, IIT-B"** organized by IIT BOMBAY on 1st and 2nd February, 2020 and bagged AIR-5 with being the only female dominated college in the advanced category to garner a top position.

CISCO Academy

The college in association with CISCO systems runs CISCO Local Academy. The Academy offers training for the CCENT (Cisco Certified Entry Network Technician) and CCNA (Cisco Certified Network Associate) certification. Apart from CCNA, our academy also offers various free online exploratory courses on Introduction to Cyber security, Introduction to IoT, Cyber security Essentials, NDG Linux Unhatched, Mobility Fundamentals and Entrepreneurship, Network Security essentials and Linux. This year our academy won the "Best Performing Academy Exploratory Courses -2017" award for excellence in conducting IoT course.

Robotics Club

The Robotics Club, Abhimanyu Bot was established under initiative of E-Yantra, IIT Mumbai,a project sponsored by MHRD. The students of Robotics club are actively involved in developing projects based on real life applications. Robotics club is also involved in conducting workshops and seminars.

Foreign Language Course

The college is conducting certification courses in French and German languages. These courses have multiple levels and for each level a batch of maximum 25 students is taken on first come first serve bases. Each language course has been divided into six modules. For in depth understanding of the language all aspects including listening, speaking, and writing are covered during the course. After successfully completing each module, students receive a certificate of completion.

Students' Cultural Societies

AHAARYA, *the dance society*, has performed exceptionally well in the arena of dance at various institutes and won laurels. It focuses on bringing up new dance talent, giving them the required touches and creative freedom. Trained members get the exposure to showcase their skills at various inter-college events.

ELVIRA, *the fine arts society*, aims to represent not the outward appearance, but the inward significance. Since 2014, the team has been reflecting the true value of existence. The ingenious team can give you the tranquil experience with not only the technical know-how but also the spirit , commitment , trust and the energy that binds this society together. The teams' active participation in competitions paid with an unrivalled exposure and kept the society on the top-notch. The practice sessions for competitions or for the exhibition revamped the potential.

GLAMFIRE, *the fashion society*, includes a passionate and creative team of students who work as models, makeup artists and designers all at the same time. The associated members go through rigorous practice sessions right from the beginning of the year.The team depicts a particular theme each year through fashion with an aim to leave an impact on the society.

GLOBETROTTERS is a travel and tourism society of our college, aims to encourage the idea of travelling and exploring new and hidden adventures. With a group of young and enthusiastic travelers, it aims at building a platform of shared knowledge by looking at the world and its people differently.

INKLINGS, *the literary society*, since 2013, has been spearheading the creative side of Rajgurites and has always been striving to inculcate in them a sense of belonging with the vast universe of literature.

MUKHAUTA, *the dramatics society*, aims to bring light to the neglected problems our society is facing. Working together as a team, the members use their opinions and voice to make a social change. Known for its dedication, commitment and hardwork, the society has been widely appreciated for its work over the years. From teaching

acting skills to teaching important life skills, one receives everything in this beautiful journey of theatre.
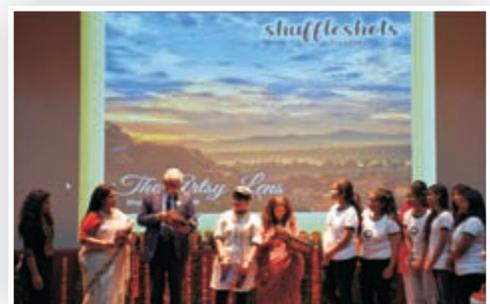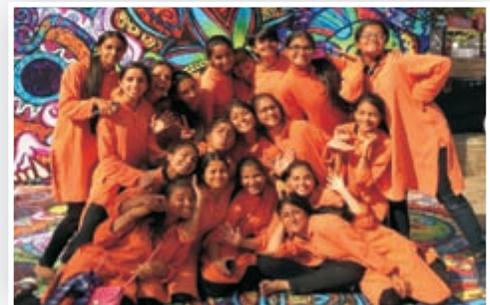
PHILYRA, *the music society* – Music gives a soul to the universe, wings to the mind, flight to the imagination and life to everything. The society comprises of many singers ranging from Western to Indian classical vocalists. Aarohana – the Indian choir is the extension of the music society and every year participates in various competitions. This year also marks the beginning of Philyra, the western acapella which is witnessing its baby steps in 2020.

SHUFFLESHOTS, *the photography club* – Capturing Life, Creating Art Society has been the constant endeavor of the society to learn, understand and express through the means of photography. We aim at serving as an ideal platform to share and gain photography knowledge and enhance photography skills of budding photographers by organizing competitions, workshops, photo walks for the practical implementation and exhibition thus providing exposure to its enthusiastic cohort of photographers.

EHSAAS, *the mental health society,* encourages people to seek help and stop shamming mental illness. The society is working out together to fight the battle of societal negligence and norms over mental health. EHSAAS has reached many lives through organizing inter and intra-college events which have proved generative.

ENACTUS project has a vision to create a better world by solving social issues via sustainable business models. It aims at taking up business projects from the inception stage and working on them till they become sustainable and positive change agent in the society. The student's society is developing progressively with project, Pehchaan which is an initiative to facilitate holistic growth of the LGBTQIA+ community and to ensure their greater participation in the mainstream society.

MARK-HAVEN, *the marketing society* aims to facilitate an all-round development of the students in the field of marketing and keep them abreast with the

latest happenings in the said domain. Mark-Haven strive to provide the students with a cutting edge, not only in the field of marketing but also in other real-life skills like leadership, management, creativity along with teamwork and has proved it's bearing with it's achievements.

NORTH EAST CELL aims to address issues and concerns of students from North Eastern states studying in the college, so as to ensure them a homely environment far away from home. It also provides a platform for North Eastern students of the college to showcase and spread awareness about the diverse and magnificent, yet less known, cultures and traditions of North East states.

PRAVRIDHI, *the Eco Club* of the college aims to generate awareness on the environmental crisis in college, surrounding localities and builds connections with other colleges and schools in Delhi. This engages participation of students, teachers/non teaching staff members, local people, and students from other colleges and schools as well. This helps in sensitization and in creating a sense of responsibility towards various environmental issues as a component of holistic growth of the college.

RAQAM, *the Finance and Investment Society* aims at providing the right platform to the students in order to gear their interest towards the correct and possible avenues that exist in the field of finance. The motto of the society is to "impart in-fin-ite knowledge" not only in the field of finance but also by showcasing and developing skills like teamwork, leadership, management, communication, creativity, etc.

A number of activities were organised by student council 2019-20 under the guidance of Cultural Secretary, Ms. Preeti Singhal and Student Advisor, Dr. Alka Vohra. The activities are as follows :

Independence Day – Shaheed Rajguru College of Applied Sciences For Women celebrated Independence Day with utmost patriotic fervour on 14 August, 2019. The Indian Tricolour was hoisted by the Principal, Dr. Payal Mago and the national anthem reverberated in the entire campus. The music society- 'Plilyra' enchanted the audience with patriotic songs. The spotlight of the event was the talk by Dr. Payal Mago about importance of the hard-earned freedom and the decades of sacrifices and struggles behind it.

Rajguru Day Celebration – The college celebrated the 111th birth anniversary Shaheed Rajguru Day along with Convocation Ceremony for 2013-17 and 2014-17 batch students on 27 August, 2019. This year a new tradition to conduct the convocation ceremony in traditional attire (saree and stole) on the birth anniversary of Shaheed Rajguru ji was started. The event was graced by the presence of Sh. Satyasheel Rajguru (great Grandson of Shaheed Rajguruji) & Smt. Aarati Rajguru, Prof. Balram Singh (Professor and President at Institute of Advanced Sciences, Massachusetts), Prof. Sudha Bhattacharya (Retired Professor, Jawaharlal Nehru University),Mr. G.R. Agarwal (Retired Principal, M.C.L. Saraswati Bal Mandir School) and Dr. S. Lakshmi Devi (Founding Principal of the college).

Student Council Elections – Student council elections were conducted in Shaheed Rajguru College of Applied Sciences for Women on September 11th, 2019 under the Lyngdoh Committee guidelines. In total seven council members were elected for the session 2019-20. The elections held in fair and proper manner.

Investiture Ceremony – The student Council for session 2019 – 20 of the college got its recognition on 1st October 2019 with the esteemed presence of the former cricketer and Member of Parliament Mr. Gautam Gambhir. The student Council took the oath promising to fulfill their utmost duties towards the college and its students.

Diwali Mela – The student council of the college organised Diwali mela on 23 October, 2019. The auspicious Lakshmi Pujan was followed by an enthralling puppet show by Rajasthani artists. Various competitions were conducted by the societies of college, such as Slam poetry- 'Inklings' (Literary Society), Bol Bole ya Bhav Bhole – 'Mukhauta' (Dramatics Society), Mrs. Ethnic- 'Glamfire' (Fashion Society) etc. The campus was beautifully decorated by 'Elvira' (Fine Arts Society).

Christmas Day & New Year Celebration – The Student Council organized a "Christmas Day & New Year Celebration" on 6th January, 2020 which started with prayers to Almighty. Christmas carols sung by 'Philyra' (Music Society) enraptured everyone. 'Shuffleshots' (Photography Society) organized online photography competitions.

Karvaan'20 – College organized its Annual Cultural Fest Karvaan'20 on 3rd and 4th March on the theme "Toon-o-Mania: 90's Epoch Cartoons". A myriad of cultural competitions and fun activities were organized by different societies of the college, enriching the cultural experience and fostering a healthy competitive spirit amongst participants from pan-Delhi University and other colleges. A live sufi rock band performance by Shivam Bhardwaj, a Qawaali by the Sultani Brothers and a power-packed performance by renowned Bollywood playback singer Ms. Jasleen Royal were star events of the festival.

College Annual Day – Shaheed Rajguru College of Applied Sciences for Women celebrated its 29th Annual Day on 24th August, 2020, in the online mode so as to ensure safety of students and staffs during Covid-19 pandemic. The event was streamed live on the YouTube channel of the college. It witnessed a humongous viewership on YouTube and a great participation from the faculty members and students on Google Meet, as well. The Programme was graced with the presence of Smt. Atishi Singh (MLA, Kalkaji, Delhi) as the Chief Guest, Sh. Anurag Kundu (Chairperson, DCPCR) and Sh. Kuldeep Kumar (MLA, Kondli, Delhi) as Guests of Honor, Mrs. Ms.Ila Srivastava (Chairperson, SRCASW) and other distinguished members of the Governing Body. Dr. Payal Mago (Principal, SRCASW) presented the Annual Report of 2019-2020 Session. Few wonderful performances by Aharya and Philayra enthralled the audience. The celebration ended on a positive note of making the coming session a more successful one.

Social Initiatives@SRCASW

National Service Scheme

NSS activities are actively carried out round the year by the volunteers of our college. Teaching underprivileged kids from nearby slum areas, visits to Old-Age Homes and orphanages, Collection Drives (Winter Clothes Collection), Road Safety activities, women empowerment related activities, etc. are some of NSS initiatives. The NSS also organizes various camps like Eye check-up camp, Blood Donation Camp, Health Issues related Camps, Self Defence Training Camp etc. Under "Swatchh Bharat Abhiyaan" our student volunteers are undergoing 'Swachh Bharat Summer Internship – 100 Hours of Swachhata' organized by the Ministry of HRD in association with the Ministry of Drinking Water and Sanitation.

Women Development Cell

Women Development Cell of the College aims to sensitize and apprise the students on various socio-legal issues related to women at home and workplace. It organizes self-defence workshop to promote self-empowerment, talks related to women empower-ment, voice against sexual harassment and promote healthcare of women.

Equal Opportunity Cell

The Equal Opportunity Cell (EOC) of the college has been established with a view to empower the ST, SC, OBC, students from north east and students with disabilities and to give them equal opportunities in higher education. The cell disseminates information regarding the various welfare schemes related to such students and also provides facilities and assistance through counseling and remedial classes. All efforts are made to make the campus disabled friendly. The college has ramps, lifts, wheel chairs and disabled friendly toilets. In addition, the library of the College has computers with assistive software for visually impaired students.

Village survey by faculty & students

Unnat Bharat Abhiyan 2.0

Our college is a part of prestigious Unnat Bharat Abhiyan (UBA-2.0), a flagship programme of Ministry of Human Resource Development (MHRD), Govt. of India. This is an opportunity to enable faculty and students of higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth of village. College has adopted 5 villages named; Kondli, Morna, Harola, Chilla & Dallopura.

The members of Entrepreneurship Cell & UBA of College went for Village and Household Survey in all the adopted villages where they got an insight into the lives of the people living in this area as they got to know about the problems faced by these people in their day to day lives. On thorough analysis of the survey forms it was found that one common problem persisted among all the adopted villages i.e., lack of cleanliness and open drainage which caused further detrimental health issues in the villages. To address this common problem, the college wrote to the appropriate government authorities under which the developmental work is taken care in the adopted villages. To make the government authorities aware of ongoing issues with residents of their zonal area, the grievance with the photographic proof was submitted online on the East Delhi MCD portal.

To make residents aware about harmful effect of plastic on the environment and to make them understand to reduce the use of plastic, UBA launched a campaign "Beat Plastic Pollution". The members of the cell motivated villagers to boycott PLASTIC and gave them cloth bags in return of the plastic waste collection.

Another campaign to support the right to education was administered by all village coordinators along with their student's team. Whereby, the teams visited the villages, interacted with residents over the importance of education for every child and his/her development. To facilitate children, the teams distributed stationary items such as notebooks, colors, pencils, pens etc.

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 are 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, students of undergraduate courses are 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 semester examination. The students are required to maintain discipline and silence in and around classrooms and laboratories. The students are required not to use their mobile phones while teaching or lectures or seminars are going on.

The college will not be responsible for any event organized by the students 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. 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 an amount as per the college rules.

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 the same from paid facility. Students will get login/password to access 135000 e-books and 5000 e-journals, besides printed books.

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 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.
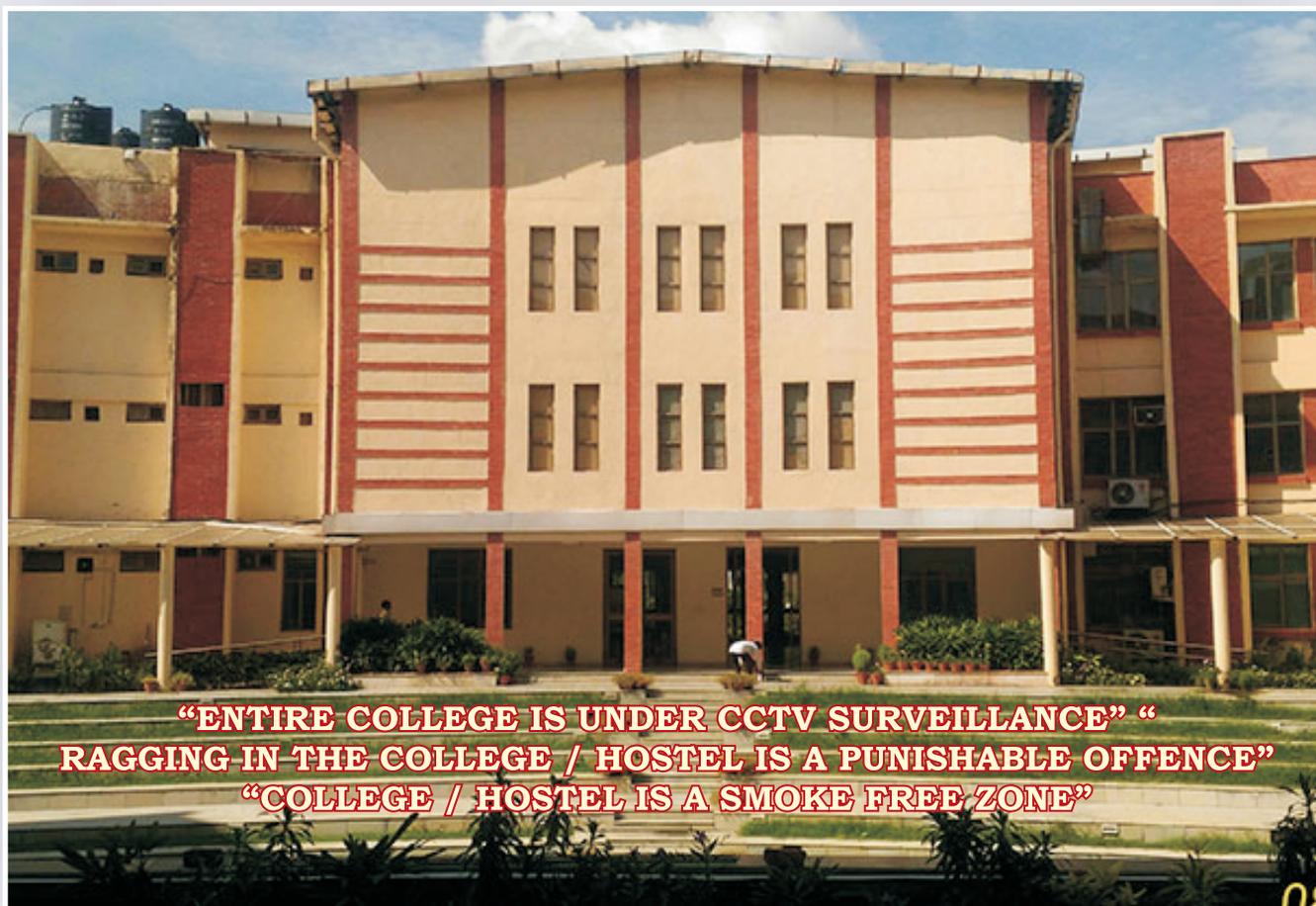
Scholarships

All eligible SC/ST, OBC, PwD students etc. should submit their scholarships form online for every academic year as and when announced on National Scholarships Portal of Government of India.

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 notice is circulated to call for applications. Students desirous of applying for the fee concession are advised to check the notice boards for announcements.

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

1. All powers relating to discipline and disciplinary action are vested in the Vice - Chancellor.

2. The Vice-Chancellor may delegate all or such powers as he / she deems proper to the Proctor and to such other persons as he/she may specify in this behalf.

3. Without prejudice to the generality of power to enforce discipline under the Ordinance the following shall amount to acts of gross indiscipline:

   a. Physical assault, or threat to use physical force, against any member of the teaching and non teaching staff of any Institution / Department and against any student within the University of Delhi

   b. Carrying of, use of or threat to use of any weapons c. Any violation of the provisions of the Civil Rights Protection Act, 1976

   d. Violation of the status, dignity and honour of students belonging to the scheduled castes and tribes

   e. Any practice-whether verbal or otherwise-derogatory of women

   f. Any attempt at bribing or corruption in any manner

   g. Willful destruction of institutional property

   h. Creating ill-will or intolerance on religious or communal grounds.

   i. Causing disruption in any manner of the academic functioning of the University system;

   j. Prohibition of Ragging as per Ordinance XV-C.

4. Without prejudice to the generality of his / her powers relating to the maintenance of discipline and taking such action in the interest of maintaining discipline as may seem to him/her appropriate, the Vice-Chancellor, may in the exercise of his / her powers aforesaid order or direct that any student or students –

   a. be expelled; or

   b. be, for a stated period rusticated; or

   c. be not for a stated period, admitted to a programme or programmes of study in a College, Department or Institution of the University; or

   d. be fined with a sum of rupees that may be specified; or

   e. be debarred from taking a University or College or Departmental Examination or Examinations for one or more years; or that the result of the student or students concerned in the Examination or Examinations in which he /she or they have appeared be cancelled.

5. Institutions, Halls and teaching in the concerned Departments. They may exercise their authority through, or delegate authority to such of the teachers in their Colleges, Institutions or Departments as they may specify for these purposes.

6. Without prejudice to the powers of the Vice-Chancellor and the Proctor as aforesaid, detailed rules of discipline and proper conduct shall be framed. These rules may be supplemented, where necessary, by the Principals of Colleges, Heads of Halls, Deans of Faculties and Heads of Teaching Departments in this University. Each student shall be expected to provide himself / herself with a copy of these rules. At the time of admission, every student shall be required to sign a declaration that on admission he /she submits himself / herself to the disciplinary jurisdiction of the Vice-Chancellor and several authorities of the University who may be vested with the authority to exercise discipline under the Acts, the Statutes, the Ordinances and the rules that have been framed therein by the University.

19.2 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 suo moto enquire into any incident of ragging and make a report to the Vice-Chancellor of the identity of those who have engaged in ragging and the nature of the incident.

6.   The Proctor may also submit an initial report establishing the identity of the perpetrators of ragging and the nature of the ragging incident.

7.   If the Principal of a College or Head of the Department or Institution or the Proctor is satisfied that for some reason, to be recorded in writing, it is not reasonably practical to hold such an enquiry, he/ she may so advise the Vice-Chancellor accordingly.

8.   When the Vice-Chancellor is satisfied that it is not expedient to hold such an enquiry, his / her decision shall be final.

9.   On the receipt of a report under Clause (5) or (6) or a determination by the relevant authority under clause (7) disclosing the occurrence of ragging incidents described in Clause 3(a), (b) and (c) the Vice-Chancellor shall direct or order rustication of a student or students for a specific number of years.

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

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

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

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

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.

19.3 ORDINANCE XV-D

The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 (MINISTRY OF LAW AND JUSTICE).

An Act to provide protection against sexual harassment of women at work place and for the prevention and redressal of complaints of sexual harassment and for matters connected 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 visit the website : http://www.shebox.nic.in/assets/site/main/images/Sexual-Harassment-at-Workplace-Act.pdf.

Committees

Admission Committee	
Dr. Punita Saxena (Convenor)	9810221483
Dr. Sadhna Jain (Convenor)	9810103664
Dr. Indu Arora (Foreign Student Advisor)	9891027157
Dr. Sadhna Jain, Associate Professor, Department of Biochemistry	9810103664
Dr. Shruti Banswal, Assistant Professor, Department of Biomedical Science	9811138293
Dr. Jasjeet Kaur, Associate Professor, Department of Chemistry	8130959522
Dr. Suruchi Chawla, Assistant Professor, Department of Computer Science	9810342692
Ms. Para Dholakia, Associate Professor, Department of Food Technology	9811706879
Ms. Venika Gupta, Associate Professor, Department of Electronics	9953469945
Dr. Daya Bhardwaj, Assistant Professor, Department of Instrumentation	9811239028
Dr. Punita Saxena, Associate Professor, Department of Mathematics	9810221483
Dr. Rekha Mehrotra, Associate Professor, Department of Biology	9811243283
Dr. Alka Vohra Kuanr, Associate Professor, Department of Physics	9717453770

Admission Grievance Committee	
Dr. Mohd Saquib Ansari (Convenor)	9868877867
Dr. Ranjana Singh	9818258145

Sport Admission Committee	
Ms. Venika Gupta (Convenor)	9953469945
Dr. Bimla Pawar (Co-Convenor)	9810224259

ECA Admission Committee	
Dr. Deepa Joshi (Convenor)	9810950353
Dr. Ranjana Singh	9818258145

Special Categories Admission Enabling Committee	
Dr. Mohd. Saquib Ansari (Convenor)	9868877867
Ms. Preeti Singhal	9868516331

Proctorial and Anti-ragging Committee	
Dr. Suruchi Chawla	9810342692

Internal Complaint Committee	
Ms. Veenika Gupta (Nodal Officer)	9953469945

Fee Concession Committee	
Dr. Jasjeet Kaur	8130959522

Seat Matrix

S.No.	Course	General	OBC	SC	ST	EWS	Total	PwD	CW	Kashmiri Migrant	Sports	ECA	Ward Quota	Foreign National	Total Supernumery
1	B.Sc. (Hons.) Biomedical Sc.	16	11	6	3	4	40	2	2	2	1	1	2	2	12
2	B.Sc. (Hons.) Biochemistry	16	11	6	3	4	40	2	2	2	1	1	1	2	11
3	B.Sc. (Hons.) Chemistry	16	11	6	3	4	40	2	2	2	2	1	1	2	12
4	B.Sc. (Hons.) Computer Sc.	23	16	9	4	6	58	3	3	2	2	1	2	2	15
5	B.Sc. (Hons.) Electronics	16	11	6	3	4	40	2	2	2	1	1	1	2	11
6	B.Sc. (Hons.) Food Technology	16	11	6	3	4	40	2	2	2	1	1	1	2	11
7	B.Sc. (Hons.) Instrumentation	16	11	6	3	4	40	2	2	2	1	1	1	2	11
8	B.Sc. (Hons.) Mathematics	23	16	9	4	6	58	3	3	2	2	1	2	2	15
9	B.Sc. (Hons.) Microbiology	16	11	6	3	4	40	2	2	2	1	1	1	2	11
10	B.Sc. (Hons.) Physics	23	16	9	4	6	58	3	3	2	2	1	2	2	15
11	B.A. (Hons.) Psychology	23	16	9	4	6	58	3	3	2	2	1	2	2	16
12	B.Sc. (Hons.) Statistics	23	16	9	4	6	58	3	3	2	1	1	1	2	16
13	B.M.S. (Bachelor in Management Studies)	23	16	9	4	6	58	3	3	2	0	0	0	2	10
14	B.B.A (F.I.A.) (Bachelor in Business Administration [Financial Investment Analysis])	23	16	9	4	6	58	3	3	2	0	0	0	2	10

Fee Structure

FEE STRUCTURE 1ST YEAR FOR THE ACADEMIC YEAR 2020-21

(A)	Maintenance Account	Amount	Amount	(B)	Student's Society Account	Amount
1	Tuition Fee (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		2000.00	3	Student's Aid Fund	200.00
4	Identity Card Fee		100.00	4	Security Deposit (Refundable)	500.00
5	Garden Fee		500.00	5	Medical Fee	150.00
6	Water & Electricity Fee		1500.00	6	Development Fee	2000.00
7	Laboratory Fee		2500.00	7	Picnic & Excursion Fee	400.00
8	University Enrolment Fee		200.00	8	Seminar/Exhibition Fee	500.00
9	University Athletic Association Fee		50.00	9	In-house Examination Fee	0.00
10	University Cultural Activities Fee		5.00	10	Prevention of Sexual Harassment Fee	10.00
11	University Development Fee		600.00	11	World University Services Fee	5.00
12	Computer Laboratory Fees		1200.00	12	Others	0.00
13	N.S.S. Fund		20.00			
14	Computer Science Course Fee	15000.00				
15	Biomedical Science Course Fee	10000.00				
16	Business Administration (BBA(FIA))	11000.00				
17	University Examination Fee		0.00			
18	Internet Facility		0.00			
19	Placement Brochure Fee	200.00	0.00			
	(For final year Student)					
20	Fine		0.00			
	Total (A)		**9355.00**		**Total (B)**	**6265.00**
	Total (A+B)					**15620.00**

COURSE AND CATEGORY-WISE FEES* FOR THE ACADEMIC SESSION 2020-21

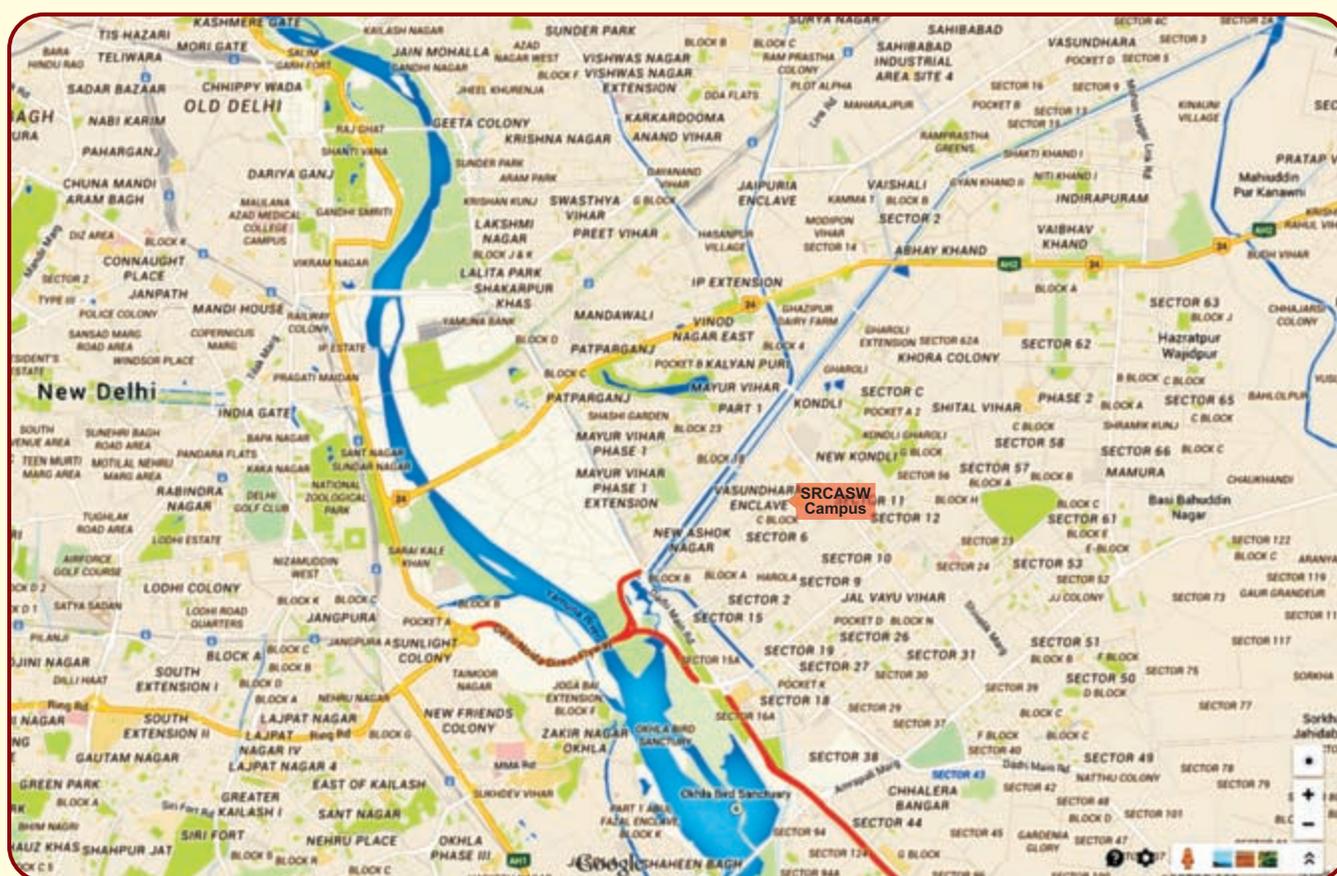| No.	Course(s)	UR / OBC / EWS / CW / Kashmiri Migrants / Sports / ECA / Ward	SC / ST	PwD	Foreign Students
1	Biochemistry	17840	17660	1490	32840
2	Biomedical Science	27840	27660	1490	42840
3	Chemistry	17840	17660	1490	32840
4	Computer Science	32840	32660	1490	47840
5	Electronics	17840	17660	1490	32840
6	Food Technology	17840	17660	1490	32840
7	Instrumentation	17840	17660	1490	32840
8	Mathematics	17840	17660	1490	32840
9	Microbiology	17840	17660	1490	32840
10	Physics	17840	17660	1490	32840
11	Psychology	17440	17260	1490	32440
12	Statistics	17640	17460	1490	32640
13	Management Studies (B.M.S.)	17040	16860	1490	32040
14	Business Administration (B.B.A. (F.I.A.))	28040	27860	1490	43040

* Above-stated fee structure includes examination fee.

FEE REFUND POLICY

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

S. No.	Reasons for seeking refund	Quantum of fee to be refunded
1	When a student applies for withdrawal of admission up to last date of admission	Full fee after deduction of Rs. 1000/- and full examination fee.
2	When admission is made inadvertently due to error/omission/commission on the part of the University/College	Full fee and full examination fee.
3	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.
4	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.
5	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.

Route Map – SRCASW, Vasundhara Enclave, Delhi

Sector 15, NOIDA, UP (2.5 Km)

Nearby Metro Stations : New Ashok Nagar, Delhi (3.7 Km)

Mayur Vihar Extension, Delhi (4.5 Km)

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