Department of Computer Science

Bhaskaracharya College of Applied Sciences
(University of Delhi)
Sec -2, Phase - 1, Dwarka, New Delhi -110075

About the Department

Department of Computer Science was established in the year 1997 with the vision to impart quality education to undergraduate students and inculcate in them strong theoretical, intellectual and analytical skills that are essential in this ever changing and highly competitive environment. The Department of Computer Science offers a B.Sc. (H) Computer Science course, which focuses on fundamentals of computer programming and develops an approach to software development. It intends to give students a thorough foundation in theory and hands on experience of software development. The Department is spreaded over three spacious air conditioned laboratories having more than hundreds of computers with the facility of IT peripherals such as scanners, projectors and printers. The laboratories are well equipped with several multimedia computers of Pentiumrange loaded with latest software platforms and curriculum recommended software such as C++, Java, SQL server, Ubuntu, etc. The College provides Internet access to faculty and students on their machines through Wi-Fi network and e-Journal facility at various locations in the college. The faculty of the Department actively involves themselves in research and motivates students to do the same. The Department focuses on holistic development of students. The Department also organizes various workshops and seminars on regular basis to make students technologically competent in an ever-growing IT industry.

The Department has its own Computer Science Society, CS.Net, a society by the students, ofthe students and for the students. The society was founded in the year 2007 and is blossomed with the efforts of faculty, students and non-teaching staff. The Computer Science Society CS.Net celebrates its Inter-college Annual Techno-Cultural festival "INTERFACE" every year.

Admission Eligibility Criteria

❖ Mathematics, one language and two other subjects listed as academic subjects
Should have secured

(a) 60% or more marks in Mathematics
(b) 60% or more marks in aggregate of four subjects including Mathematics, one language (LIST B) and two other subjects listed as Academic Subjects (LIST A).

Or

❖ The admission would be based on the aggregate of marks scored in class XII in best four academic subjects inclusive of one language (LIST B), Mathematics and two out of Physics, Chemistry and Computer Science/ Informatics Practices.

Note: Applicants from other streams, (with Mathematics in Class XII), will have a disadvantage of 2% in aggregate of required four subjects, i.e. Mathematics + one language (LIST B), + two academic subjects from those streams.

LIST A and LIST B   (Will be available in admission bulletin 2020-21)

Faculty Details

S.No	Name of Faculty	Qualifications
1)	Mr. Bhavya Deep **(Teacher-in-Charge)**	M.Sc. Computer Science (DAVV, Indore)
2)	Ms. Manu Kataria,	MCA (HPU, Shimla)
3)	Dr.Sangeeta Srivastava,	M.E. (DCE, D.U.), Ph.D. (FOT, D.U.)
4)	Ms. Arti Dua,	MCA (BVICAM, GGSIPU)

Semester-wise distribution of Courses under CBCS (revised)

	SEMESTER I			SEMESTER II	
C1	Programming Fundamentals using C++		C3	Programming in JAVA	
C2	Computer System Architecture		C4	Discrete Structures	
AECC1	English/MIL Communication or EVS		AECC2	EVS or English/MIL Communication	
GE1	Generic Elective		GE2	Generic Elective	
	SEMESTER III			SEMESTER IV	
C5	Data Structures		C8	Design and Analysis of Algorithms	
C6	Operating Systems		C9	Software Engineering	
C7	Computer Networks		C10	Database Management Systems	
SEC1	Skill-Enhancement Elective Course		SEC2	Skill-Enhancement Elective Course	
GE3	Generic Elective		GE4	Generic Elective	
	SEMESTER V			SEMESTER VI	
C11	Internet Technologies		C13	Artificial Intelligence	
C12	Theory of Computation		C14	Computer Graphics	
DSE1	Discipline Specific Elective		DSE3	Discipline Specific Elective	
DSE2	Discipline Specific Elective		DSE4	Discipline Specific Elective	

Abbreviations used for Course

C	Core Course
AECC	Ability Enhancement compulsary Course

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GE	Generic Elective course
SEC	Skill Enhancement Elective Course
DSE	Discipline Specific Elective course

SEC: Skill-Enhancement Elective Courses *(any one paper per semester in semesters 3rd and 4th*	1. Lab based on Android Programming (SEC-1) 2. PHP Programming (SEC-2)
DSE: Discipline Specific Elective *(any two paper per semester in semesters 5th and 6th)*	**DSE-1 (5th Sem)** A) System Programming B) Numerical Methods C) Operational Research for Computer Science **DSE-2 (5th Sem)** A) Microprocessor B) Modeling and Simulation C) Advanced Algorithms **DSE-3 (6th Sem)** A) Machine Learning B) Introduction to Data Sciences C) Combinatorial Optimization **DSE-4 (6th Sem)** A) Digital Image Processing B) Data Mining C) Project work / Dissertation
GE : Generic Electives *(any one paper per semester in semesters 1st to 4th.*	**GE -1**: Lab based on Introduction To Programming **GE – 2**: Lab based on Introduction to Database System **GE -3**: Lab based on Computer Networks & Internet Technologies **GE -4**: Lab based on Information Security and Cyber Laws

Category wise seat distribution					
Total Seats	**UR**	**SC**	**ST**	**OBC**	**EWS**
59	24	9	4	16	6

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