



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 Pentium range 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, of the 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.

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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 university and college admission bulletin)

Faculty Details

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

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

Information about Department of Computer Science (CS), BCAS, Dwarka, New Delhi 75. Any information given here is subjected to change as per the guidelines of DU as and when received

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List of SEC and DSE Papers					
SEC: Skill-Enhancement Elective Courses <i>(any one paper per semester in semesters 3rd and 4th)</i>	SEC-1 (Choose any One) (3 rd Sem) a) BHCS19A Web Design and Development b) BHCS19B Programming in Python SEC-2 (Choose any One) (4 th Sem) a) BHCS20A Android Programming b) BHCS20B Introduction to R Programming				
DSE: Discipline Specific Elective <i>(any two paper per semester in semesters 5th and 6th)</i>	DSE-1 (Choose any One) (5 th Sem) a) BHCS15A Data Analysis and Visualization b) BHCS15B System Programming c) BHCS15C Combinational Optimization DSE-2 (Choose any One) (5 th Sem) a) BHCS16A Digital Image Processing b) BHCS16B Microprocessors DSE-3 (Choose any One) (6 th Sem) a) BHCS17A Information Security b) BHCS17B Data Mining c) BHCS17C Advanced Algorithms DSE-4 (Choose any One) (6 th Sem) a) BHCS18A Machine Learning b) BHCS18B Deep Learning c) BHCS18C Unix Network Programming d) BHCS18D Project Work/ Dissertation				
GE : Generic Electives <i>(any one paper per semester in semesters 1st to 4th).</i>	GE -1: Programming using Python (1 st Sem) GE – 2: Database Management System (2 nd Sem) GE -3: Computer Networks (3 rd Sem) GE -4: Information Security and Cyber Laws (4 th Sem)				
Category wise seat distribution					
Total Seats	UR	SC	ST	OBC	EWS
59	24	9	4	16	6