RECRUITMENT GUIDE

Department of Computer Science
University of Delhi

Contents

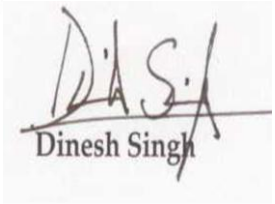
From the Vice-Chancellor's Desk

Prof. Dinesh Singh
Vice - Chancellor
University of Delhi

The Department of Computer Science, University of Delhi, runs two post graduate courses namely Master of Computer Applications (M.C.A.) & M.Sc. Computer Science and prepares the students for a bright future. Emphasis is laid on the theoretical concepts as well as on practical experience and industry interaction.

I am pleased that the department of Computer Science has been successfully bringing out a placement brochure to facilitate campus recruitment of their students.

I am sure that many bright and enthusiastic students will continue to join these courses. My best wishes for this initiative at our university.



The Head of Department Speaks...

Dr.VasudhaBhatnagar
Head of the Department

The Department of Computer Science was set up in the year 1981 with three year Master of Computer Applications (M.C.A.) program as the first, in University of Delhi. Since then, the department has come a long way with a research oriented MSc Computer Science program and a vibrant PhD program. The mandate is to build core competence among the students so that they can pick up and keep pace with fast changing technologies in ever evolving IT sector.

MCA is our flagship program, designed as a first level computer science program. The program inducts bright students from all disciplines and equips them with core computer science knowledge to develop sophisticated computer software. The blend of theory and practice, inherent in the curriculum and teaching methodology has produced a battery of trained software professionals, who have been contributing towards the growth and development of innumerable organizations. They have made their mark across the globe in both software development and research.

In view of the national need to participate in global computer science research, M.Sc. Computer Science was started in year 2004 as a second level computer science program. In this program advanced computer science courses and electives are taught to the students, giving them an option to join cutting edge computer science research. Regular assignments along with minor and major research projects, give these students a triple advantage of gaining sound theoretical concepts, sophisticated program development and research experience. We are proud of our alumni selected in prestigious PhD programs in and outside country.

Delhi University Computer Science Society of the department students is a platform for honing other valuable skills and nurturing hobbies. Students gain valuable experience in team work, leadership, organization and management while hosting annual technical festival SANKALAN. They are sensitive about environment and aware of their social responsibilities.

Ready with a proud batch of proficient M.C.A. and M.Sc. students, I cordially invite you to interact with them and offer them a window of opportunity. I am sure, they will make you proud.

The Placement Advisor Speaks...

Dr.PunamBedi
Placement Advisor

The three years Master of Computer Applications (M.C.A.) and two years M.Sc. Computer Science programmes at the Department of Computer Science, University of Delhi are immensely popular in India. Both these programmes focus on imparting relevant theoretical knowledge and practical skills in the global context. The courses aim to equip the students to meet practical challenges and situations, make them technically competent and aware, to develop strong theoretical foundations required for developing sound understanding, analysis and futuristic vision.

The M.Sc. students are required to do a Minor project in third semester and a Major project in the fourth semester. Project areas include Databases, Operating Systems, Algorithms, Parallel Computing, Semantic Web, Graphics, Artificial Intelligence, Computer Networks, Data mining, Bioinformatics and many more. The M.C.A. students, as part of their curriculum undertake a project in the industry in their final semester. Projects are undertaken in diverse areas such as Database Systems, Computer Networks and Communication, Software Engineering, E-Business and Graphics. During the project, they are expected to apply their knowledge and experience gained during the course to develop IT applications. The courses are updated from time to time to meet the demand and expectations of the software industry.

The success of our M.C.A students is well known in the industry. The Department is proud to have more than 900 alumni holding important positions in Information Technology industry and academic at national and international level in India. We feel proud in declaring 100% placements year after year for MCA as well as M.Sc.

I am delighted to invite you to visit our department and be a part of DUCS - Placements 2012-13.

The Department

Department of Computer Science was established at the University of Delhi, in the year 1981, with the objective of imparting quality education in the field of Computer Science. With rapidly evolving technology and continuous need for innovation, the department has been producing quality professionals, holding important positions in the Information Technology industry both in India and abroad.

The Department started Master of Computer Applications (M.C.A.) programme in the year 1982, which was among the first such programmes in India. It is a comprehensive program of study intended to give students a thorough foundation in the theory and methodology of the techniques in Computer Science. They obtain skills and experience in up-to-date approaches to analysis, design, implementation, validation and documentation of computer software and hardware.

The Department started M.Sc. Computer Science course in the year 2004 with the aim to develop core competence in Computer Science and to prepare the students to take up challenges of research and development. The students have the ability to apply high level of theoretical expertise and innovation to complex problems and application of new technologies.

The Department also offers Doctor of Philosophy (PhD) programme aimed at producing quality researchers in several diverse branches of Computer Science.

Apart from these, the Department coordinates B.Sc. (H) Computer Science, B.Sc. Physical Science (Computer Science) and other courses taught at constituent colleges of University of Delhi.

The Faculty

(From left to right: Dr. S.K. Muttoo, Dr. Naveen Kumar,
Dr. Neelima Gupta, Dr. Punam Bedi, Dr. Vasudha Bhatnagar)

DEPARTMENT'S FACULTY

- Dr. Vasudha Bhatnagar
  Head of Department, Associate Professor
  M.C.A. (DU), PhD Jamia Milia Islamia
  Research Interests: Intelligent Data Analysis, Modelling of KDD Process and Data Mining Algorithms
  Homepage: http://people.du.ac.in/~vbhatnagar/
  Email: vbhatnagar@cs.du.ac.in

- Ms. Vidya Kulkarni
  Associate Professor
  MA (DU), MS McMaster University (Canada)
  Research Interests: DBMS, OOP, Global Software Development, XML & Software Testing.
  Homepage: http://people.du.ac.in/~vkulkarni/
  Email: vkulkarni@cs.du.ac.in

- Mr. P.K. Hazra
  Associate Professor
  BE, ME Jadavpur University (Calcutta)
  Research Interests: Wireless LAN, Mobile Communication Networks, Satellite Communication Networks &Quality of Service in Communication Networks
  Email: pkhazra@cs.du.ac.in

- Dr. S.K. Muttoo
  Associate Professor
  M. Tech. IIT Kharagpur, PhD University of Delhi
  Research Interests: Information Security, Steganography, Digital Watermarking, Coding theory &Computer Graphics
  Homepage: http://people.du.ac.in/~skmuttoo/
  Email: skmuttoo@cs.du.ac.in

- Dr. Naveen Kumar
  Associate Professor
  M. Sc., M. Tech, PhD IIT Delhi
  Research Interests: Computational Intelligence, Data Mining & Information Security.
  Homepage: http://people.du.ac.in/~nk/
  Email: nk@cs.du.ac.in

- Dr. Punam Bedi
  Associate Professor
  M. Tech. IIT Delhi, PhD University of Delhi
  Research Interests: Artificial Intelligence, Machine Intelligence, Semantic Web, Multi-agent Systems, Software Engineering, Trust, Steganography & Steganalysis.
  Homepage: http://people.du.ac.in/~pbedi/
  Email: pbedi@cs.du.ac.in

- Dr. Neelima Gupta
  Associate Professor
  M. Tech., PhD IIT Delhi
  Research Interests: Algorithms, Networks, Data Mining & BioInformatics
  Homepage: http://people.du.ac.in/~ngupta/
  Email: ngupta@cs.du.ac.in

THE GUEST FACULTY

- Dr. V.P. Sharma
  Former Professor,
  DDU College,
  University of Delhi
- Dr. Ajay Kumar Arora
  Associate Professor,
  Keshav Mahavidyalaya,
  University of Delhi
- Dr. N.K. Oberoi
  Associate Professor,
  Sri Ram College of Commerce,
  University of Delhi
- Prof. N.K. Chadha
  Professor,
  Department of Psychology,
  University of Delhi
- Dr. Yogish Sabharwal
  Research Scientist,
  IBM India Research Lab
- Dr. Sudhir Kapoor
  Associate Professor,
  Hindu College,
  University of Delhi
- Dr. S.K. Pal,
  Senior Scientist,
  Scientific Analysis Group,
  DRDO, Delhi
- Dr. Archana Singhal
  AssociateProfessor,
  Indraprastha College,
  University of Delhi
- Dr. Arpita Sharma
  Associate Professor
  DDU College,
  University of Delhi
- Ms. Anuradha Khattar
  Assistant Professor,
  MirandaHouse,
  University of Delhi
- Ms. Ritu Singhal
  AssociateProfessor,
  IP College,
  University of Delhi
- Ms. Veenu Bhasin
  Assistant Professor,
  PGDAV College,
  University of Delhi
- Dr. Hema Banati
  Associate Professor,
  Dayal Singh College,
  University of Delhi
- Dr. Anurag Mishra
  Associate Professor,
  DDU College,
  University of Delhi
- Ms. Shikha Malik
  Assistant Professor,
  Maitreyi College,
  University of Delhi
- Dr. Sarabjeet Kaur
  Assistant Professor,
  Indraprastha College,
  University of Delhi
- Dr. Sharanjit Kaur
  Associate Professor,
  Acharya Narendra Dev College,
  University of Delhi
- Dr. Anita Goel
  Associate Professor,
  Dayal Singh College,
  University of Delhi

Academic Programmes

The M.C.A. Course

M.C.A is a full time 6-semester course, which includes one semester of professional training in the industry.

The objective of the Master of Computer Applications (M.C.A.) program is to impart core education in Computer Science and its applications, so that students are well prepared to face the challenges of the highly competitive IT industry. The course structure ensures overall development of the student, while concentrating on imparting technical skills required for an IT professional. No wonder, today after twenty eight years of its existence, its alumni are holding important positions in the IT industry and academics in India and abroad.

THE ADMISSION PROCEDURE

The intake in this course is graduates under 10+2+3 stream of examination of University of Delhi or an equivalent examination with at least one paper in Mathematics and another in Computer Science/ Mathematics/ Operational Research/ Statistics with minimum 60% marks in aggregate. The current batch of M.C.A. has students graduated from B.Sc. (H) Computer Science, B.C.A., B.Sc. (H) Mathematics, B.Sc. (H) Physics, B.Sc. (H) Electronics, B.Sc. (Gen) PCM and M.Sc. Mathematics

- The admission to the programme was based on the All India performance of candidates in the highly competitive and rigorous written examination JAM (Joint Admission Test for M.Sc.) conducted by IIT Roorkee.

- Candidates qualifying JAM are called for counselling for final selection. The selection procedure aims to test student's aptitude, mathematical, analytical skills and Computer Fundamentals.

COURSE STRUCTURE OF M.C.A.

- *Semester I*

  - Object Oriented Programming
  - System Programming
  - Statistical Techniques
  - Computer System Architecture and Lab
  - Technical Communication (Qualifying Paper)

One elective out of the following

  - Organizational Behaviour
  - Economics
  - Outside Department Elective (Mathematics, Statistics and Operational Research)

❖ *Semester II*

- Data Structures and File Processing
- Discrete Mathematics
- Computer Graphics
- Data Communication and Computer Networks

One elective out of the following

- Fundamentals of Accounting and Finance
- Outside Department Elective (Mathematics, Statistics and Operational Research)

❖ *Semester III*

- Design and Analysis of Algorithms
- Software Engineering
- Database Systems
- Automata Theory
- Operating Systems

❖ *Semester IV*

- Compiler Design
- Information Security
- Network Programming
- Elective I within department
- Elective II within department

List of Electives for Semester IV:

- Data Base Applications
- Advanced Operating Systems
- Electronic Commerce
- Numerical Computing
- Computational Linguistics

❖ *Semester V*

- Five Subjects to be chosen from a List of Electives.

List of Electives for Semester V:

- Artificial Intelligence
- Combinatorial Optimization
- Computational Intelligence
- Cryptography
- Data Mining
- Database Systems and Implementation

- Digital Image Processing & Multimedia
- Embedded Systems
- Human Resource Management
- Modelling & Simulation
- Machine Learning
- Neural Networks
- Programming Paradigms
- Satellite and Mobile Communication Networks
- Software Quality Assurance & Testing
- Visual Programming
- XML and Databases

❖ *Semester VI*

- Full-time 6-month industrial training (Placement via campus interviews).

The M.Sc. Computer Science course

The M.Sc. Computer Science program, introduced in 2004, is a four-semester course which aims at imparting core education in various disciplines of Computer Science, so that the students are prepared to face the challenges of the highly competitive IT industry as well as carry out research and development. The objective of the program is to imbibe sound knowledge of theory and hands on practical skills in various areas of Computer Science. Taking into account the Computer Science curriculum that the students have undertaken at the graduate level, it aims at imparting advanced courses in Computer Science.

The course structure includes a minor project in the third semester followed by a major project in the final semester which helps in development of research skills in the areas of their interest.

THE ADMISSIONPROCEDURE

The students in this course are graduates with 10+2+3 stream in B.Sc. (H) Computer Science of University of Delhi/any other examination-recognized University or B. Tech. or B. Sc. Applied Physical Science / B. Sc. (Gen) Math. Sc. with Mathematics and Computer science from University of Delhi or any Bachelor's Degree with at least 6 Computer science papers and at least 2 Mathematics papers with minimum 60% aggregate marks in their graduation.

- 50% seats are reserved for the meritorious students of B.Sc. (H) Computer Science course of University of Delhi.
- Remaining 50% of the seats are filled on the basis of National Level written examination conducted in two stages:
  - The first stage is an objective examination involving Computer Science, Mathematics and Analytical skills.
  - The second stage is a subjective examination comprising questions on Computer Science and Mathematics.

COURSE STRUCTURE OF M.SC. COMPUTER SCIENCE

- *Semester I*
  - Design and Analysis of Algorithms
  - Artificial Intelligence
  - Information Security
  - Database Systems and Implementations
  - Computational Intelligence

❖ *Semester II*

- Compiler Design
- Advanced Operating Systems
- Data Mining
- Advanced Computer Networks
- Electronic Commerce/ Numerical Computing/ Combinatorial Optimization

❖ *Semester III*

- Minor project
- Three subjects to be chosen from a List of Electives

List of Electives for Semester III:

- Cryptography
- Digital Image Processing and Multimedia
- Distributed Computing
- Machine Learning
- Neural Networks
- Embedded systems
- Modelling and Simulation
- Software Quality Assurance and Testing
- Special topics in Artificial Intelligence
- Special topics in Computer Networks
- Special topics in Database Systems
- Special topics in Data Mining
- Special topics in Information Security
- Special topics in Theoretical Computer Science
- Special topics in Computational Intelligence
- Special topics in Soft Computing

❖ *Semester IV*

- Major Project

A Few Classroom Projects

M.C.A.

Apart from the conventional methodologies of classroom teaching, students are expected to take up case studies, presentations and projects. This prepares them for industrial exposure and in addition to technical knowledge, helps them acquire qualities like teamwork and communication skills.
Following are few of the projects/assignments taken up by the students:

- Implementation of Unix Shell
- Simulation of machine language code and implementation of assembler.
- Simulation of Sliding Window Protocols
  - Go-Back N Protocol
  - Selective Repeat Protocol.

- Research and implementation of various Security Techniques/Algorithms
  - Design and implementation of new approach for searching in encrypted data using Bloom Filter.
  - Analysis and implementation of security algorithms in Cloud Computing.
  - Malware and Key logger Design.
  - Software and hardware implementation of Smart Home System.
  - Misuse, detection and prevention of Advance Spamming techniques.
  - Design and security analysis of chaotic encryption.
  - Analysis of risks, techniques, and corporate usage of Web 2.0 technologies.
  - Implementation of homomorphic encryption algorithms.
  - Regional language encryption and translation.
  - Implementation of elliptic curve cryptography.
  - Design and implementation of secure, efficient and self-synchronizing stream ciphers.
  - Hardening an Operating System

As part of the curriculum itself, students are supposed to give presentations, group projects and programming assignments that not only help in honing the programming skills of the students but also inculcate good communication skills and develop a sense of teamwork.

Following are few of the projects/assignments taken up by the students:

- Implementation of a Mini Database Management System.
- Implementation of UNIX File System.
- Simulation of machine language code and implementation of Assembler.
- Time Table Generation through Genetic Algorithms.
- Finding Best Strategy through Genetic Algorithm for Prisoner's Dilemma Problem.
- Finding the Best Path for Travelling Salesman Problem.
- Implementation of Robot Task Assignment with given resources using MATLAB.
- Implementation of Multi Agent programming through JADE and solving problems involving authentication of websites, emails, deleting 'cookie' contents in the system, checking password strength, query validation, prompt user if database is modified, checking if antivirus needs updates etc.
- Implementation of chat server using Jade.
- Maintenance of a count for the Number of agents running in the system at regular intervals in Jade.
- Compression of images through MATLAB.
- Implementation of Classification and Clustering Algorithms.
- Data pre-processing and applying KMeans, Naive Bayes, Bisecting K Means and K Nearest Neighbour algorithms on UCI KDD Repository using Weka.
- Implementation of Cryptographic Algorithms like AES, DES, RC4, etc.

Infrastructure

LIBRARY

Here is where people,
One frequently finds,
Lower their voices
And raise their minds.
~Richard Armour, "Library"

The Library is partners with DUCS in learning, teaching, and research. We are committed to fostering intellectual discovery, critical thinking and life-long learning. Accordingly, the library ties our academic community to varied cultural and scholarly traditions by offering student-centred services. The students of the Department are affiliated to CSL library.

The Central Science Library (CSL) is one of the largest science libraries in India. It was established in 1981, and at present, it has a collection of over 2,20,000 volumes of books and periodicals. The website of CSL provides electronic subscription for approximately 27,088 e-journals of national and international repute including IEEE, ACM, Springer journals and proceedings.

LABORATORY FACILITIES

"In theory, there's no difference between theory and practice but in practice, there is."

Resources

- Microsoft Academic Alliance Program, Open Source Alliance

Development Tools

- Dev C++, JDK 1.6.0, Oracle10g
- Microsoft Office 2010, Altova XML Suite 2008
- Tomcat, NetBeans 6.9,Glassfish
- MATLAB 2008b/2009b / 2010b
- Latex, Weks

Operating Systems

- Windows XP / Vista / 7
- Red Hat Enterprise Edition, Ubuntu

Security Tools

- Symantec Antivirus Corp. Bd. 10.2

Hardware

- 8 Dell, 2 IBM and 2 HP Laptops.
- 45 Pentium IVs with 1.5GB RAM, 80 GB Hard disk,
- TFT Monitors; 34 Acer Core 2 Quad with 2 GB RAM, 300 GB HDD
- 3 HP Core 2 Quad with 4GB RAM, 320 GB Hard disk.
- 2 HP servers (Windows Server 2003 and Linux server)
- 6 LCD Projectors out of which 4 are roof fitted and 2 with cameras.
- HP Colour Laser Jet 2500, 12 HP LaserJet 3030.
- 4 Laser Printers connected via LAN.
- Digital and Microprocessor Laboratory

Internet Connection

- All the labs, offices and faculty rooms of the Department are connected to the internet through the university intranet.
- Internet connectivity is provided using 4 switches through the university intranet. 24 port switch is used in LAN, providing internet to all systems in the laboratory, classrooms, seminar room and committee room.

DELHI UNIVERSITY COMPUTER CENTRE

The centre owns a multitude of software so as to allow students to gain practical experience. The following is a list of some of these tools:

Operating Systems

- Solaris 9
- IBM AIX
- Cent OS
- Red Hat Linux 9.0
- Mac OS
- Windows 2008 R2.
- Windows 7 Pro

Database Management Systems

- Oracle 10g
- MySQL
- MS-SQL 2008 Server

Mathematical and Statistical Packages

- MATLAB
- SPSS 11.0
- SAS
- Mathematica

Graphical Packages

- KEE
- PEX
- Adobe Creative Suite 5

Programming Platforms

- Borland C++
- Visual Studio
- COBOL
- Turbo Pascal
- Small Talk
- XL Fortran, 77/90
- LISP
- PROLOG
- MS-MASM 5.0
- GPSS-PC

Application Packages

- MS Office
- Lotus Smart Suite
- Adobe Creative Suite 5
- Adobe Acrobat 9 Pro
- Word Perfect
- Corel Draw
- Page Maker
- Power Builder
- COSMO
- RISC Animation.

Hardware and Network

- Dell R815-AMD (16 core, 32 GB) servers, Dell R610 – Intel (12 core, 48 GB) servers, Acer AR 380F1 servers, HP Proliant DL180 and ML 350 servers, SUNfire V20Z-AMD, SUNfire V65x-Intel, SUNfire V440-Sparc, IBM RS/6000 machines having RISC architecture, 80 Nodes (Acer Desktop) Peripheral support includes network HP Laser and Inkjet printers.75 Mbps/1 Gbps2 leased lines.
- CISCO Core switches and Routers, Fortigate UTM including Firewalls, IPS and Content filtering, Edge switches from CISCO, Nortel, HCL, 3com, Dlink.
- 5 IBM RS/6000 machines having RISC architecture using CMOSVLSI, Double precision.

All campus colleges and departments are networked through fibre optics to the University Intranet. South Campus colleges and all off-campus colleges are linked to North Campus through Fibre link (MPLS).

Services provided by centre to all university staff and students:

- Website, E-mail services, Online applications, Co-location server hosting for departments, antivirus.
- Internet Access
- Antivirus and spam protection
- Hosting infrastructure & content management for the university website www.du.ac.in

Beyond the text books

DELHI UNIVERSITY COMPUTER SCIENCE SOCIETY

At the Department of Computer Science, education stretches beyond classroom sessions. The emphasis is on creating an environment for students to explore experiment, discover and realize their potential. In order to achieve this, a number of activities are organized for the students to help them build the traits of teamwork, trustworthiness and synchronization.

Delhi University Computer Science Society (DUCSS) was established in 2005 with the purpose of conducting events such as seminars, conferences, competitions and technical festivals, as well as other cultural and academic events. These events are conducted to enrich student life at the department. The Society also provides a common meeting ground for students pursuing different courses within the department. As its first endeavour, DUCSS organized SANKALAN 2005, a two-day technical festival which was a huge success, and since then it has been a part of the annual tradition. SANKALAN is a congregation of IT students from all over the country, who compete in various technical and non-technical events. It aims at honing technical and management skills of the students at the department. In continuation of effort to strive for excellence in every field, this year DUCSS successfully organized SANKALAN 2012 with many teams participating from various colleges all over India. The Society also conducted INTRA-SANKALAN, where the students of the Department competed among themselves in many technical and non-technical events.

ALUMNI WORKING CLUB

One of the biggest assets of an institute is its alumni. The Club conducts alumni-meet periodically which gives boost to all round development of the students to understand benefits of this field in the industry. Interactive events and the social views exchanged promote personality development which helps students prove themselves in their future career.

WORKSHOPS

Workshops are organized in the Department to sensitize everyone about the impact of our activities have in polluting the environment. Various sessions are held on topics such as Global Warming, e-Waste Management and presentations by students on IT solutions for climate change. Also, participants are given tips to reduce their carbon footprint, and ways to minimize emissions.

A workshop on Ethical Hacking (Hackveda) by VMDD Technologies was organized to enlighten the students about the various security issues and train them to be safe from hackers.

OTHER INITIATIVES BY THE DEPARTMENT

- A special event "e-waste CONVERTOZZ" in collaboration with I-dream was organized in SANKALAN 2012 in which students submitted their models based on e-Waste.
- An initiative to recycle e-Waste was also taken by the department.
- A magazine "SRIJAN" was published by the department. It gave the students a chance to express their technical as well as non-technical innovative views.

TECHNICAL SEMINARS

The discussions about current technology and day to day activities in IT are regular affair in the department. The following discussions were held in our department:

- Efficient, effective and practical mutation testing by Dr. Gregory M. Kapfhammer, Associate Professor, Dept. of Computer Science, Alleghemy College, Pennsylvania, U.S.A.
- Social Network by Prof. Václav Snášel and Prof. Pavel Brandstetter, Faculty of Electrical Engineering and Computer Science, VSB Technical University of Ostrava, Czech Republic.
- Publish or Perish: Survival Guidelines by Dr. Ajith Abraham, Faculty of Electrical Engineering and Computer Science, VSB Technical University of Ostrava, Czech Republic.
- The Future is Smart Phone by Mr. Vikas Sahni, Softedge Systems, Ireland.
- Perspectives on Development and Deployment of an Open Source Medical Record System by Prof. Barry Levine, Dept. of Computer Science, San Francisco, State University, U.S.A.

ACHIEVEMENTS

Apart from the studies, students of the department go to various technical fests and show their calibre. Some of the awards won last year by DUCSiites are:

- Bagged 11 prizes at JNU Technophilia 2012.
- Bagged 5 out of 9 technical awards at Tatva 2012, LBSIM.
- Bagged the 1st prize among all the technical colleges/universities in Delhi in ACM – Delhi Chapter, 2012.
- Bagged the 1st as well as the runners up team trophy at Nerdz, 2011, Jamia Hamdard University.
- Won several prizes at annual technical fest 2012, of USIT, GGSIP University.

Life at DUCS

At Delhi University Computer Science Department (DUCS) we learn to do, not only HARDWORK but SMARTWORK, which is the mantra for success in today's world.

Students at DUCS have come from the prestigious colleges and universities from all over India, having diverse backgrounds, through a rigorous selection procedure. Each of us brings variety of thoughts and new approaches to the way problems can be dealt with, which in turn prepares us to work in a diverse life culture at the companies.

Studies, periodic tests, rigorous assignments and high standard projects polish the brains of the selected few into Diamonds. Winning competitions organized by other reputed institutions and displaying our talent beyond the academic curriculum has become our tradition. DUCSiites undertake competitive projects like Microsoft's IMAGINE CUP and IBM's THE GREAT MIND CHALLENGE where young minds get a chance to explore the unimagined world of IT. Also DUCSiites have reached the pinnacle by working at an international level and ensuring success of their projects in other countries as well.

Apart from all this, the pride of our department is SANKALAN-an event that is looked forward to by all the leading institutes across the country every year. This is the annual Computer Science Department fest, which is organized by students at a very large scale in association with several brand names. This is the time when everyone works together as a team and is dedicated towards a common goal – to bring pride and honour to the Department. "Division of labour" is followed here at every step. This keeps the students mentally prepared to perform well in the companies and prepares them to take responsibilities and live up to the expectations. Teamwork and group dynamics get instilled in them helping tremendously at their work place.

Regular Seminars are conducted in the department by people renowned both at national and international level, so as to keep the students updated with the latest trends in the IT sector. This in turn makes DUCSiites more confident to enter any reputed company.

Apart from regular activities, various get-togethers, outings and tours are organized by DUCSiites. This makes them socially active and it also acts as a stress buster for them. Moreover, a different culture is being followed at DUCS on weekends. When all other colleges are closed in search of a break after their hectic week, we DUCSiites get involved in innovative and creative activities. A chunk of people from recent alumni of our department visit the campus and share their experiences with the current batch. They help us in understanding the current scenario of the industry and guide us towards a better future. Various games are played, small skits are arranged and a sense of togetherness is celebrated every weekend. This is the best thing for DUCSiites where they can relate with the PAST, PRESENT & FUTURE; with experience, reality and dreams.

Lohri Celebration at the Department

So undoubtedly, the tradition and culture of DUCS makes its students identifiable among thousands of IT aspirants. Fulfilling all requirements, we offer the companies, some of the most amazing brains with well-rounded and matured personalities for the most dynamic industry of today's world.

Our Past Recruiters

This further goes on to show the confidence the industry has in us and the relationship we share with them. Companies where our alumni are placed reads like a who's who of the IT industry. Some of the companies and institutions where our alumni are placed are listed below:

- ADOBE
- AGNITY
- AMAZON
- ARI
- ARICENT
- CADENCE DESIGN SYSTEMS
- CAPGEMINI
- CONEXANT INDIA
- CSC
- DELOITTE
- DRISHTI SOFT
- FISERV
- GLOBAL LOGIC
- GMR GROUP
- GRAPECITY
- HCL TECHNOLOGIES
- HEADSTRONG
- IBM SOFTWARE LABS
- IMPETUS
- INFOGAIN
- INFORMATION MOSAIC
- KRITIKAL SECURE SCAN
- MAKE MY TRIP
- MAGIC SOFTWARE
- McAfee
- MICROSOFT
- NAGARRO
- NUCLEUS SOFTWARE
- NEWGEN
- ONE 97 COMMUNICATIONS.
- PEROTSYSTEMS TSI
- SAMSUNG
- SAPIENT
- SNAPDEAL
- ST MICROELECTRONICS
- SUN MICROSYSTEMS
- TECH MAHINDRA
- TECHSPAN SYSTEMS
- THOROGOOD
- TRILOGY E-BUSINESS SOFTWARE PVT. LTD.
- VECTOSCALAR TECHNOLOGIES
- WIPRO INFOTECH
- YANTRR ELECTRONIC SYSTEMS

The Current Batch

M.C.A. 2010-2013 (Total Strength: 44)

M.Sc. Computer Science 2011-2013 (Total Strength: 34)

DUCS Alumni: Where They Go From Here...

Few, and yet so widely known. Young, yet so successful. Today, the alumni of Department of Computer Science have distinguished themselves in the industry through sheer talent, commitment and hard work. To a layperson, these may sound as hollow words, but a DUCS pass-out knows the true essence of these.

We are proud of our talented and successful DUCS alumni who have made a mark in India and abroad and we wish to follow their footprints. A few amongst them are:

Dr. VASUDHA BHATNAGAR Associate Professor Delhi University, India 1985 MCA batch	GULSHAN KUMAR Director, Alcatel-Lucent, India 1988 MCA batch
KIRAN SETHI Vice President Deutsche Bank, USA 1985 MCA batch	VANDANA AGGARWAL Senior Business Analyst SGI, USA 1988 MCA batch
MEENAKSHI KHANNA Senior Program Manager Cadence, India 1985 MCA batch	RANJAN DHAR Director, Silicon Graphics, India 1989 MCA batch
PRADEEP MATHUR Vice President Capgemini, UK 1987 MCA batch	ABHRAJIT GHOSH Director, Telcordia Technologies, USA 1993 MCA batch
RAJIV MITTAL Vice President, Corporate Strategy and Finance JK Technosoft Ltd., India 1987 MCA batch	SANJAY GUPTA CEO, Mobisolv, India 1996 MCA batch
S KUMARAN Director, Simplogic Technologies, India 1998 MCA batch	MANISH MADAN Vice President, Perot Systems, TSI, India 2001 MCA batch
VIJAY KRISHNAN Program Manager, Microsoft, India 2002 MCA batch	HIMANSHU SAWHNEY Computer Scientist, Adobe, India 2006 MCA batch

Students of the department receiving INTRA-SANKALAN certificates

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