



RECRUITMENT GUIDE

2019-2020

Department of Computer Science
University of Delhi

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Vice Chancellor's Message



The Department of Computer Science, University of Delhi, runs two postgraduate courses namely Master of Computer Applications (MCA) & 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.

Prof Yogesh Tyagi

Vice-Chancellor
University of Delhi

Head of Department's Message



Department of Computer Science, University of Delhi has the proud privilege of being one of the earliest university departments in the country to offer three-year Master of Computer Applications (MCA) programme. In 2004, recognizing the growing importance of computer science research in the country, the department started two-year M.Sc. Computer Science programme. The department also has a vibrant Ph.D program with nearly 50 research scholars.

MCA programme aims to develop core competence for developing high quality software and adapting cutting edge and bleeding edge technologies. The MCA students, as part of their curricula 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 apply their knowledge and experience gained during the course to develop IT applications as per industry requirements. The success of our MCA students is well known in the industry. Three and a half decades later, we are proud of our alumni holding top positions in many prominent IT/Software companies all over the globe.

M.Sc. Computer Science programme is the flagship programme of the department aimed at inculcating innovative thinking. The focus of this program is to develop research skills, in addition to imparting relevant theoretical knowledge and practical skills in the global context. The students complete a minor project in the third semester and a major project in the fourth semester. Project areas include Algorithms, Parallel Computing, Semantic Web, Computer Security, Artificial Intelligence, Computer Networks, Data mining, Text mining, Network Analytics etc.. A decade later, we have more than dozen alumni who are either pursuing or have completed doctoral studies from prestigious universities in India and abroad. Majority of our MSc students are contributing to software companies.

The Department is proud to have more than 1200 alumni holding important positions in IT industry and academic at national and international levels.

Prof Vasudha Bhatnagar

Head of the Department
Department of Computer Science
University of Delhi

Placement Advisor's Message



The Department of Computer Science, University of Delhi continues its legacy of providing quality education since 1981. Since then, the department has produced several distinguished alumni in wide areas of software development, teaching, and research. The department offers two master programmes, a three-year (six-semester) Master of Computer Applications (MCA) and a two-year (four-semester) Master of Computer Science (M.Sc - C.S)

MCA programme was started in 1982 to meet the growing demand for IT professionals in the industry. The programme equips the students with core computer science knowledge to prepare them for industry and academia. As a part of their curriculum, the students undertake projects in the industry in diverse areas like Database Systems, Communication and Computer Networks etc.

M.Sc. Computer Science programme, introduced in the year 2004, aims to develop core competence in Computer Science and prepare the students to take up a career in the highly competitive IT industry as well as carry out research and development. Students take up a minor project in the third semester and a major project in the final semester. During this one year of project work, students develop a better aptitude for analytical reasoning, presentation, and skill of working in a team. Project areas include Approximation Algorithms, Parallel Computing, Data Mining, Semantic Web etc. It prepares the students to take up a career in the highly competitive IT industry as well as carry out research and development.

Regular assignments along with minor and major research projects provide the students a triple advantage of gaining sound theoretical concepts, sophisticated program development, and research experience. The curricula are updated from time to time, to dynamically align with the changing needs of the industry, to ensure that students not just imbibe academic concepts but are equipped with the analytical and decision-making skills to be the leaders in the competitive professional environment. Finally our students are careful listeners and are self-motivated, have accurate views and are keen observers. We have been striving continuously to match the students with their dream jobs, resulting in a win-win situation for the students as well as for hiring organizations. We look forward to foster and grow old relationships and welcome new recruiters for a long-lasting, mutually beneficial and friendly relationship.

Dr Neelima Gupta

Placement Advisor
Department of Computer Science
University of Delhi

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Education is the most powerful weapon
which you can use to change
the world.

NELSON MANDELA



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 (MCA) programme in the year 1982, which was among the first such programmes in India. The MCA programme focuses on providing a sound theoretical background as well as good practical exposure to students in the relevant areas. It is intended to provide a modern, industry-oriented education in applied computer science. It aims at producing trained professionals who can successfully meet the demands of the IT industry. 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 a high level of theoretical expertise and innovation to complex problems and application of new technologies. M.Sc. has been designed to teach the mathematical principles of specification, design and efficient implementation of both software and hardware. The Department also offers Doctor of Philosophy (Ph.D.) 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.

Faculty



Dr. Vasudha Bhatnagar

Professor
Head of the Department

MCA, University of Delhi
Ph.D., Jamia Milia Islamia

<http://people.du.ac.in/~vbhatnagar/vbhatnagar@cs.du.ac.in>



Dr. Naveen Kumar

Professor

M.Sc, M.Tech,
Ph.D. IIT Delhi

<http://people.du.ac.in/~nk/nk@cs.du.ac.in>



Dr. S.K. Muttoo

Professor

M.tech IIT Kharagpur,
Ph.D. University of Delhi

<http://people.du.ac.in/~skmuttoo/skmuttoo@cs.du.ac.in>



Dr. Neelima Gupta

Professor

M.Tech,
Ph.D. IIT Delhi

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Mr. P.K. Hazra

Associate Professor

BE, ME Jadavpur University (Calcutta)

pkhazra@cs.du.ac.in



Dr. Punam Bedi

Professor

M.Tech IIT Delhi,
Ph.D. University of Delhi

<http://people.du.ac.in/~pbedi/pbedi@cs.du.ac.in>

Adhoc/Guest Faculty

Ms. Sapna Varshney

Assistant Professor
Ph.D., Jamia Milia Islamia

Advance Operating System,
System Programming

Ms. Megha Khandelwal

Assistant Professor
Ph.D., Jamia Milia Islamia

Advance Operating System,
System Programming

Ms. Nisha

Assistant Professor
MCA, University of Delhi

Computer System Architecture,
DBMS, Unix Network
Programming, Computer Graphics

Ms. Roni Chakre

Assistant Professor
M.Tech. (IS), DTU

Compiler Design, Software
Engineering

Ms. Reena Kasana

Assistant Professor
M.Sc. (Informatics), University of
Delhi
M.Tech. (CST), JNU

Design and Analysis of Algorithms,
Advance DBMS

Dr. Priyanka

Assistant Professor

M.Tech (CE), K.U. Ph.D, GJUS&T
Chairperson IEEE Young
Professionals, Delhi Section

Database Application

Dr. Sonika Arora

Assistant Professor SSCBS
Ph.D., University of Delhi

Discrete Mathematics

Mr. Rajan Gupta

Assistant Professor
MCA, University of Delhi

Information Security,
Statistical Techniques

Prof. N.K. Chadha

Guest Faculty
PDF, University of Virginia, USA

Organisational Behaviour

Mr. N.K. Oberoi

Associate Professor
M.Com, M.Phil

Accounting and Finance

Mr. Gopal Singh Rawat

Assistant Professor
M.Sc.(Informatics),
University of Delhi,
M.Tech. (CST), JNU

Data Structures

Academic Programme & Admission Procedure



Master of Computer Applications

Duration: 3 Years

M.Sc. Computer Science

Duration: 2 Years



Enrollment Data

MCA
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M.Sc.
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MCA Programme

Master of Computer Applications (MCA) is a full time six-semester course, which includes one semester of professional training in the industry.

The objective of MCA programme is to impart quality 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 profession.

No wonder, today after thirty three years of its existence, its alumni are holding important positions in the IT industry and academics in India and abroad.



MCA Curriculum

Part-I Semester I

1. MCA 101 Object Oriented Programming
2. MCA 102 Systems Programming
3. MCA 103 Statistical Techniques
4. MCA 104 Computer Systems Architecture
5. EL1 One elective out of the following:
 - a. MCA 105 (a) – Economics
 - b. MCA 105 (b) - Organizational Behavior
 - c. Outside Department Elective (preferably Department of Mathematics, Statistics and Operational Research)
6. MCA 106 Technical Communication

Part-I Semester II

1. MCA 201 Data Structures and File Processing
2. MCA 202 Discrete Mathematics
3. MCA 203 Computer Graphics
4. MCA 204 Data Communication and Computer Networks
5. EL2 One elective out of the following
 - a. MCA 205 – Fundamentals of Accounting and Finance
 - b. Outside Department Elective (preferably Department of Mathematics, Statistics and Operational Research)

Part-II Semester III

1. MCA 301 Design and Analysis of Algorithms
2. MCA 302 Software Engineering
3. MCA 303 Database Systems
4. MCA 304 Automata Theory
5. MCA 305 Operating Systems

Part-II Semester IV

1. MCA 401 Compiler Design
2. MCA 402 Information Security
3. MCA 403 Network Programming
4. EL3 Elective within the Department
5. EL4 Elective within the Department

Students shall register for the electives amongst those offered by the Department from time to time, out of the following list

> List of Department Electives for Part-II Semester IV

- o MCA 404 Data Base Applications
- o MCA 405 Advanced Operating Systems
- o MCA 406 Electronic Commerce
- o MCA 407 Numerical Computing
- o MCA 408 Computational Linguistics
- o MCA 409 Combinatorial Optimization

Part-III Semester V

Students shall register for at least 20 credits amongst those electives offered by the Department from time to time out of the following list:

> List of Electives for Part-III Semester V

- o MCA 501 Modeling & Simulation
- o MCA 502 Visual Programming
- o MCA 503 Data Mining
- o MCA 504 Computational Intelligence
- o MCA 505 Artificial Intelligence
- o MCA 506 Digital Image Processing & Multimedia
- o MCA 507 Neural Networks
- o MCA 508 Combinatorial Optimization
- o MCA 509 Software Quality Assurance & Testing
- o MCA 510 Machine Learning
- o MCA 511 Embedded Systems
- o MCA 512 Cryptography
- o MCA 513 Programming Paradigms
- o MCA 514 Database Systems and Implementation
- o MCA 515 Human Resource Management
- o MCA 516 XML and Databases
- o MCA 517 Satellite and Mobile Communication Networks

Part-III Semester VI

Full-time 6-month industrial training (Placement via campus interviews). (MCA 601 Project – 24 Credits)

M.Sc. Programme

The M.Sc. Computer Science programme, introduced in 2004, is a four-semester course which aims at imparting quality education in core 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 programme 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.



M.Sc. Curriculum

Part-I Semester I

1. MCS - 101 Design & Analysis of Algorithms
2. MCS - 102 Artificial Intelligence
3. MCS - 103 Information Security
4. MCS - 104 Database Systems & Implementation
5. MCS - 105 Computational Intelligence

Part-I Semester II

1. MCS - 201 Compiler Design
2. MCS - 202 Advanced Operating Systems
3. MCS - 203 Data Mining
4. MCS - 204 Advanced Computer Networks
5. EL1 One elective out of the following
 - a. MCS-207 Combinatorial Optimization
 - b. MCS-206 Numerical Computing

Part-II Semester III

1. MCS 301 Minor Project
2. EL2 Elective within the Department
3. EL3 Elective within the Department
4. EL4 Elective within/outside the Department (preferably Departments of Mathematics, Statistics & Operational Research)

> List of Elective Courses for Part-II Semester III

1. MCS-302 Digital Image Processing & Multi-media
2. MCS-303 Neural Networks
3. MCS-304 Software Quality Assurance & Testing
4. MCS-305 Machine Learning
5. MCS-306 Embedded Systems
6. MCS-307 Cryptography
7. MCS-308 Distributed Computing
8. MCS-309 Modeling and Simulation
9. MCS-310 Special Topics in Computer Networks
10. MCS-311 Special Topics in Data Mining
11. MCS-312 Special Topics in Theoretical Computer Science
12. MCS-313 Special Topics in Information Security
13. MCS-314 Special Topics in Soft Computing
14. MCS-315 Special Topics in Database System
15. MCS-316 Special Topics in Artificial Intelligence
16. MCS-317 Special Topics in Computational Intelligence

Part-II Semester IV

1. MCS – 401 Major Project: 24 credits



Admission Procedure

Master of Computer Applications

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 MCA has students graduated from S.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 seats are filled on the basis of National Level written examination, followed by Interview.

M.Sc. Computer Science

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 six Computer science papers and at least two 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, followed by Interview.

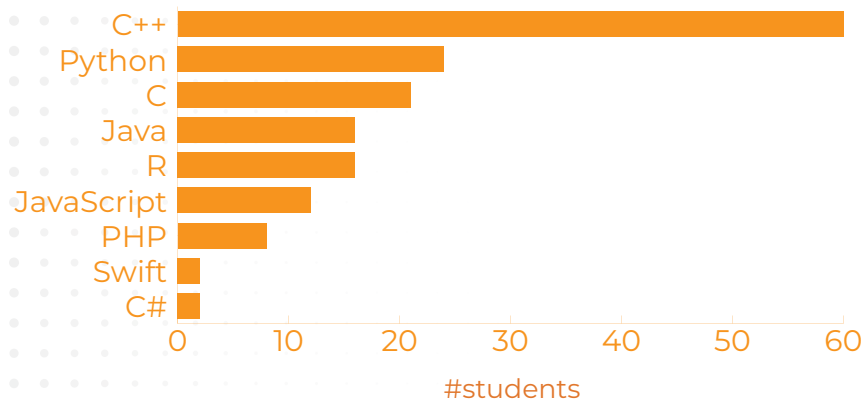
Student Corner



Certifications

Languages

- C++ Certification exam, IIT Bombay (conducted at DUCS)
- C Certification exam, IIT Bombay (conducted at DUCS)
- Java via Aptech
- Core Java, NIIT
- Python Certification exam, IIT Bombay (conducted at DUCS)
- Advance Python, Udemy
- C# via Aptech



Web Development

- Front end Web Development, Udemy
- Web development course, Internshala
- Responsive Website Development & Design Specialization, University of London

Android Development

- Android development Course, Udemy
- Android App Development Training, Internshala
- Android App Development Training, IBM certification
- HPE Education Service Certification for Android, HP Winter Training

Machine Learning & AI

- Machine learning, Data science and Deep learning, Udemy
- Deep Learning with PyTorch, Udacity
- Deep learning specialization, Coursera
- Big Data Hadoop, University of Delhi
- Big Data 101, Cognitive Class (Big Data University)

IS & IoT

- AWS Concept
- Basics of IOT, Udemy
- Introduction to IoT, Cisco Networking Academy
- Information Security: Context and Introduction, University of London

Classroom Projects

Web Design

- University Management Website using Node js
- ADITUP.COM- a Newspaper Advertisement Management Website
- Bus Ticket Booking Website
- Fashion Store
- E-commerce Website for Rent and Sale of Customized PC
- E-Commerce Website - using MEAN STACK.

App Design

- Restaurant Android Application
- Delhi Yatri (Android app) - Mobile based application that shows major tourist attractions around the city and more, using Firebase for backend.
- Deal daddy(Android app) - E-commerce app with various interesting features.
- E-Store : Online electric store project
- Twenty one - Developed an android app version of the casino game, which also calculated probability and predicted safe moves for the user.

Management Systems

- University Management System
- Library System - performs updation of author and book
- Inventory management

AI and ML Based

- Emotion Aware music player - A music player that recognizes human emotion and suggests play list accordingly.
- Automatic Licence Plate Recognition
- Audio to Sign Language Translator
- Facial Recognition Attendance System
- SXC Time Table Generator using Genetic algorithm and Constraint Satisfaction
- Tic-Tac-Toe Game in Python
- NxN Sudoku: Game in Python

Others

- Statistical Calculator in R
- Placement Portal
- Image Scraper using Python
- 2-Pass Assembler (C++)
- Specified K-prototype (R)
- Buffer Management System (C++)
- Dictionary - implementation using Trie trees
- World Around You (Livability rating of a district)
- BST Visualizer - Visualizes BST functions using OpenGL
- FTP Application
- StopAndWait, GoBackN and Selective Repeat protocol + GUI
- Intelligent Intrusion Detection System
- Exploratory Data Analysis of Home Affairs and Enforcement Sector using various Data Mining Techniques

Achievements and Awards

Technical

Awards won in events held in Year 2019

- Runnerup in Zoonhackathon 2018 (developed Alexa skill on illegal animal products awareness)
- 1st prize at COFAS International Computer Olympiad
- 1st Prize: Code Uncode
- 1st Prize: IT quiz, College IT fest
- 1st position: Battle of Apps at SPM College
- 1st position: Web Crawling at SPM College
- 1st position: Bigdata & Hadoop Quiz
- 1st position: Appathon at IP College
- 2nd position: Bug Fixing at SPM College
- 2nd position: Web Development Competition at DUCS
- 2nd position: Web Designing Competition at PGDAV College
- 2nd position: Web Designing Competition at LBSIM College, IPU
- 2nd position: Web Designing Competition at Mata Sundri College
- 2nd position: Web Designing Competition at Keshav Mahavidyalaya
- 3rd position: Coding Competition at LBSIM College, IP University
- Participated in the Smart India Hackathon 2019 software edition
- Participated in the #OpenGovData

Non-Technical

- In receipt of IAFBA Subroto Memorial Scholarship under "UG and PG Scheme", IAF Benevolent Association, since 2014.
- 2nd prize, Waterpolo - Punjab State Water Polo competition
- Runner Up, ABACUS Uttar Pradesh Level - 2009
- Runner Up, Inter House Basketball Championship, 2014
- 3rd prize, 50m breaststroke - Punjab state swimming competition
- 2015: Core Team coordinator (Bangalore University)
- 2016: Fest society Core team coordinator (Bangalore University)
- 2016: All Rounder Award, Debate - first place (Bangalore University)
- 2016: Scholar Award (Bangalore University)
- 2016: 3rd position- TERI-GENPACT Campus Impact Award
- 2018: 2nd Position - Academics in Under-Graduation
- Certificate of Merit-University of Delhi
- Certificate of Merit-CBSE board

Out of the Classroom

- Amazon Campus Mentorship Project - Access Points Experience Dashboard.
- "Shooting Stars" android game developed via LibGDX Framework using Java.
- Alexa Skills
- Google Actions Build
- Pneumothorax Detection - CNN model for detecting pneumothorax
- Path finding bot - a simple bot for finding correct path in an environment using reinforcement learning
- Art Generator - predicting pixel colours using neural network to form a painting like graph.
- VarVadhu - Designed a matrimonial website for a marriage bureau under an NGO, Helpage Welfare Organisation.
- Internal Assessment - Update and Display internal marks for each students
- Book Exchange System - Borrow or submit Books(online/offline)
- Linux Automation using Socket (Python): Automation of Linux commands using Python
- Catch Me If You Can (C#): Simple 2D run and catch game in Unity2D
- Sudoku Generator (Java)
- E-Store : Electrical Online Store using wordpress.
- Sentiment Analysis - twitter data using NLP
- Handwriting recognition - Machine Learning project
- Credit Card Fraud Detection
- World Around You : a hackathon project
- IOT - Home Agent Turns on the AC when your car is parked at your parking slot
- Vehicle Detection System - MATLAB
- Safety First - Analyzed Data and developed WebApp to face social challenges
- SUSI.AI android app (Open Source Project project)
- Open-event-android app (Open Source Project)
- LetsReact - (E-commerce app using react native)
- HealthyUs - (Health-care android app)
- FlyingBob (android app game using java)
- Facebook API - website that counts likes, comments on fb post
- ReadIt - (News Android App using java)
- RFID based wild life observation system (only SDD)
- Website on Bank Management System
- SwiggyClone -(Clone of swiggy food Delivery app, HackAnAPP challenge)
- OpenGovernmentDataHackathon - (Women Security Android App , Team of four)
- RajasthanHackathon4.0
- Unified College E-Voting System
- Attendance management system
- TERI-GENPACT Campus Impact Sustainability Project
- Central Data Bank
- Blogger App- Developed using MEAN STACK

Innovation Projects and Publications

Innovation Projects

- Innovation Project on “Device For the Uniquely Abled” under Dr. D V Gadre, New Delhi. DUA aimed to make life of the visually impaired easier by helping them recognize obstacles on the way with the help of self developed smart cane and smart glasses.
- Innovation Project on “Study and Analysis of Smart Cards”, which is concerned about the latest security algorithms and their strength. Many latest strong ciphers were implemented and tested for their strength, and a new lightweight hash “NEEVA” was also implemented using C++.

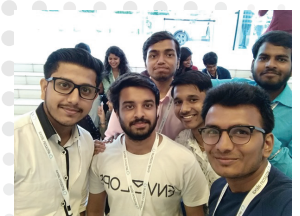
Publications

- Paper titled “Measuring Data Quality across Open Government Datasets” published in “Third International Conference on Facets of Business Excellence”, IMT Ghaziabad.
- Paper titled “Data Quality Assessment Tool” published in “Sixth International Conference on Business Analytics and Intelligence”, IISc Bangalore.
- Research Paper presentation on "SENTIMENT ANALYSIS OF DEMONETISATION IN INDIA ", in 12th INDIACom, 2018 5th International Conference as INDIACom-2018 held at Bharati Vidyapeeth, New Delhi.



Workshops and Seminars Attended

- Android Workshop
- Robotics Workshop
- Cloud Computing Web Development Workshop
- Workshop on Alexa Dev Day, Microsoft Azure Dev Day
- Regression and Deep Learning 2018, South Asian University
- Machine Learning Workshop, DDUC, Delhi University
- IOT workshop (2018) , DUCS
- Android workshop(2017), KMV, DU
- Deep learning workshop(2019), DUCS
- Scope of Real-Time Bidding in Advertisement
- Proceedings of National Conference on Emerging Issues in Marketing and HR in Current Corporate Scenario, Falguni Publications
- Ethical Hacking Workshop
- UGC Sponsored National Level Workshop - A Trend Towards Machine Learning: Techniques and Applications (26 Dec, 2017 to 1 Jan, 2018)
- Actions on Google
- R Workshop, Hansraj College, University of Delhi
- Power BI workshop, Microsoft,
- IOT workshop, MLabs
- Google Developer group (New Delhi - DevFest '17 and DevFest '18)
- National Level Machine Learning Workshop, Dec 2017
- Internet of Things with Raspberry Pi
- Cloud computing
- Ethical Hacking Seminar
- Alexa Developers Meet
- Web Development Latest technology meet
- Workshop - Deep Learning with Tensorflow, DUCS
- Workshop - BigData & Hadoop, TCS iON
- Workshop - Game Development using Javascript, Coding Blocks
- Seminar - Entrepreneurship Development held at SRCASW
- Workshop - Digital India held at University of Delhi
- Workshop - Data Analysis, University of Delhi
- Workshop - Deep Learning by NVIDIA, IIT Bombay
- Workshop - All in Cloud (AWS) by Amazon , IIT Bombay
- Workshop - Internet of Things by Texas Instruments, IIT Bombay
- Workshop - Bayesian Networks, by BayesiaLabs, New Delhi



Laboratory Facilities



Resources

OPEN SOURCE IDE

- Dev C++
- TurboC
- Python IDLE
- Altova XML Suite 2008
- NetBeans 8.2, Eclipse
- Android Studio
- JDK 1.8.0
- ADT Bundle for Android
- R Studio

TEXT EDITOR

- Sublime Text Editor
- Notepad++

OPEN SOURCE SERVER

- Glassfish

OPERATING SYSTEMS

- Windows 8
- Windows 10
- Ubuntu 16.4

APPLICATION SOFTWARE

- Microsoft Office 2010
- Latex

NUMERICAL COMPUTING SOFTWARE

- MATLAB 2014a

SECURITY TOOLS

- Microsoft Security Essential
- Windows Defender

More about the Department



Library



A library is an integral part of the teaching and the learning process. Delhi University facilitates the work of lecturers and ensures each student has equitable access to resources, irrespective of home opportunities or constraints. The department has partnership with the University Libraries to facilitate learning, teaching and research.

Our department promotes intellectual discovery, critical thinking and life-long learning. Accordingly, the libraries tie our academic opportunities to varied cultural and scholarly traditions by offering student-centered services.

The students of the Department are affiliated to CSL library. Established in 1981, one of the biggest Science Libraries; Central Science Library provides students with an abundance of resources. It has a collection of over 220,000 volumes of Books and Periodicals.

The website of CSL provides an electronic subscription for approximately 27,088e-journals of national and international repute including IEEE, ACM, Springer journals and proceedings.

<http://crl.du.ac.in/>

Student Initiatives

Delhi University Computer Science Society

The Department creates an environment for students to take up challenging tasks; bring forth their latent capabilities; discover their full potential, and hence enhances this little yet significant Tech-Community that we have here. In order to achieve this goal, a number of activities are organized for students to help them build the traits of teamwork, trustworthiness, and synchronization.

Established in 2005, Delhi University Computer Science Society aims to “build better student-industry interface” by conducting various seminars, conferences, and technical fests and thereby helps in narrowing down the gap between education and industrial demands. Since 2005 every year, the Society organizes SANKALAN, a two-day technical fest which brings out the technology as well as a creative spark of the students.

Srijan : The Student Magazine

“Srijan” as the name suggest; is the creation of a doorway letting everyone express views on a wide array of technical as well as non-technical topics. The magazine encourages students to think beyond the pages of the textbook and brings out their creative side.



Student Orientation

Amidst a plethora of projects & assignments we do ensure to have a break for celebrating and interacting with each other. Besides the day to day, luncheons, birthday celebrations; DUCS has a culture of celebrating three fun get-togethers.

Orientation Day

The Department teachers and students organize an orientation on the first day of the academic year, to enlighten the new students about the rules and regulations of the department. The orientation ensures that the best of knowledge is provided to all students to carry out their life at the department with ease.

Skit and Freshers

The skit is a welcoming fun event to carve out the actor within each one of us. This event fills the air with humor, excitement, and fun.

After the skit, Parichay-The Fresher's Party, is organized. A theme is adorned by freshers for the party and performances are lined up by them. All seniors and alumni are cordially invited to the event to welcome juniors in the DUCS family.

Farewell Party

The students bid adieu to all the final-year seniors with great ostentation at this party. Performances, goodbye speeches, titles & souvenirs and the farewell video made by juniors showcasing their journey at DUCS all form the perfect ingredients for a nostalgic yet memorable recipe of lives at DUCS.

Festivals

DUCS are family to each other. Following festivals are celebrated with great zeal and vigour.

Teacher's Day

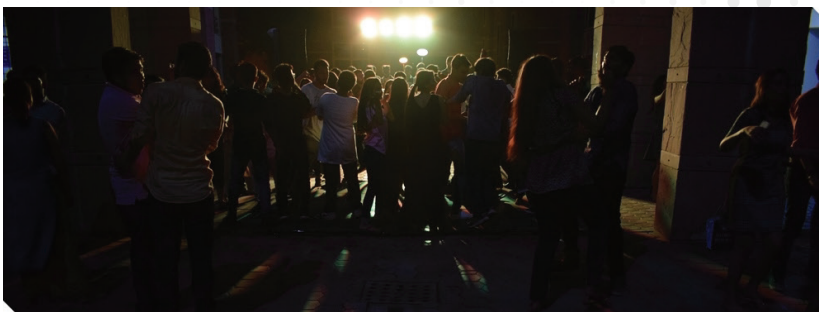
It is important that not only students but our teachers receive a warm environment of appreciation and honour. Hence, students organise a small celebration for thanking the teachers for all the guidance they have provided us with.

Diwali

Every year, seniors and juniors dressed in ethnics gather together to celebrate Diwali. Students make Rangoli, and perform Laxmi Pooja which is followed by DJ session. Lamps and Candles are lighten throughout the department.

Holi

The festival of colours is celebrated with vigour & smiles. Department is painted with colours and students and teachers gather to celebrate this festival together.



Sankalan - Our Tech Fest

Since its inception in 2005, every year DUCS organises its annual fest with much enthusiasm and energy. Students from various universities come and participate in this two day event. Renowned people from the IT industry and our alumni placed in various tech giant companies judge and review all the technical events held during the fest. After the two days long grilling experience, students are awarded and appreciated for winning and participating in the fest.

This year , Sankalan has become more special. A new quiz portal has been developed from scratch for Sankalan using Laravel and Vue.js which handled everything from registration to evaluation.

Intra-Sankalan

The DUCS Society also conducts INTRA-SANKALAN, where the students of the Department compete among themselves in many technical and non-technical events.



Illustrious Alumni

Alumni Working Club

Student Community is believed to be incomplete, without the support and encouragement of its alumni. Considering the significance of such a club, DUCS dedicatedly functions to create and maintain a life-long connection between the Institute and its alumni.

The Department is proud to have an Alumni Circle amongst whom are those placed in the world's most prestigious companies like Amazon, Adobe, Morgan Stanley etc. And some of the distinguished alumni are the founders of the extremely successful Delhi-based start-ups Velmenni and JMoon Technologies. A Major task that needs to be carried out every year is blending the new generations into the old ones. Hence, at the beginning of each academic year, a Skit is organized for introducing the new students to their alumni. Besides Skit, events like freshers, seminars, workshops, Sankalan-our technical fest serves as the platform of connectivity.

Our Alumni contribute by providing the present generation with immense experience and guidance through the placement sessions. They take out time to prepare the students for the grueling placement sessions with study sessions, pep talks, behavioural tips, and give them insights about the working of the industry.

DUCS Coding Club

DUCS is an active body which runs on the principle of building and developing perceptive brains. Everyone helps each other to learn the new trends and technologies.

Together this year, the club was able to make some of the best achievements, which include: More than 30 students got a HacktoberFest 18 shirt for creating pull request and contributing to tech society by Digital Ocean. About 50 students were able to learn the Amazon Alexa technology and created their own skills which are now live on Alexa Skill Store. Two students received Facebook-Udacity PyTorch Scholarship Challenge.

Students under this umbrella have learned a lot through exploration and experience. Together, students attend sessions at various places. Not only outside, but students conduct sessions amongst themselves and in their colleges to grow everyone around them.

Our Alumni

Through sheer skill, commitment and hard work the alumni of Department of Computer Science have distinguished themselves in the industry and academia alike. Inspired by their grit and achievements we wish to follow in their footprints. We feel proud of our talented and successful alumni who have made a mark in India and abroad. A few amongst them are:

Prof. VASUDHA BHATNAGAR
Head of Department,
Department of Computer Science
University of Delhi, India
1985 MCA Batch

GULSHAN KUMAR
Director, Alcatel-Lucent, India
1988 MCA Batch

RANJAN DHAR
Manager Director, Silicon Graphics, India
1989 MCA Batch

HARISH PRANAMI
Software Development Engineer Apple
2012 MCA Batch

VANDANA AGGARWAL
Senior Business Analyst, USA SGI, USA
1988 MCA batch

Dr. S.K. PAL
Senior Scientist Scientific Analysis Group
DRDO

C.P.MURALI
VMD Aricent
1986 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 Mobisolv, India
1996 MCA Batch

SANJAY GUPTA
CEO JK Technosoft Ltd., India
1987 MCA Batch

S KUMARAN
Director Simplogic Technologies, India
1998 MCA Batch

Prof. POONAM BEDI
Officiating Director DUCC
1999, Ph.D.

MANISH MADAN
Vice President Perot Systems, TSI, India
2001 MCA Batch

VIJAY KRISHNAN
Program Manager Microsoft, India
2002 MCA Batch

TOTA RAM VERMA
Assistant Vice President Citi Group
2007 MCA Batch

SACHIN VERMA
LMTS Salesforce.com
2006 M.Sc. Batch

SAURABH GARG
CTO Velmenni
2015 MCA Batch

Our Alumni

ANIKA JAIN
Software Engineer, Google
2012 MSC Batch

PRANAV KHANDELWAL
SDM III, Amazon
2011 MCA Batch

PRINCE MALIK
SDM III, Amazon

PRAMOD NEGI
Software Engineer
Facebook California, U.S.A

BHUVNESH KUMAR
Senior Software Development Engineer
Microsoft Redmond, Washington
2007 MCA Batch

“I think the success of any school can be measured by the contribution the alumni make to our national life.”

- John F. Kennedy

All About Recruitment



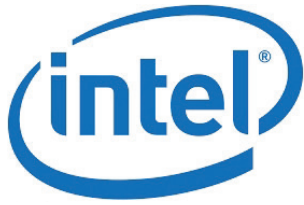
Our Past Recruiters

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

Some of the companies where our alumni are placed are:



Our Past Recruiters



Placement Team and Contact

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Photo (Left to Right): Rishav Kohli, Vikas Goswami, Swati Gautam, Anjali Bansal, Avinash Prasad, Ayush Kumar Singh

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