



# RECRUITMENT GUIDE 2022-2023

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Department of Computer Science  
University of Delhi

# Vice Chancellor's message



The primary endeavour of every educational institution is to make every student attain the learning outcomes of all courses in a Programme. However, when an institution goes an extra mile and gets the best recruiters to come to the campus, facilitates and result in the recruitment of all or many of their students, it provides an immense satisfaction.

The Department of Computer Science is one of our forerunner departments and offers postgraduate courses in Computer Science, namely Master of Computer Applications (M.C.A) and M.Sc. Computer Science. Students of this department come from various parts of the country to pursue their postgraduate studies. Along with theoretical and practical knowledge in Computer Science, students are also imparted knowledge in soft skills such as leadership. The students of this department, on completion of their Programmes, are well placed in their professional and academic fields.

This Placement Brochure shall provide a good insight of the department and its students to the stakeholders. I am confident that the Department shall be able to facilitate the placement of its students in the best organizations through this year's placement endeavour.

My heartiest wishes for this initiative by the department.

A handwritten signature in blue ink, appearing to read "Prof. Yogesh Singh".

**Prof. Yogesh Singh**  
**Vice-Chancellor**  
University of Delhi

# Head of Department'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's programs, a three-year (six-semesters) Master of Computer Applications (MCA) and a two-year (four-sem) 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 program 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 the skill of working in a team. Project areas include Approximation Algorithms, Artificial Intelligence, Machine Learning, Data Science, 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, and to ensure that students not just imbibe academic concepts but are equipped with the analytical and decision-making skills to be 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 fostering and growing old relationships and welcoming new recruiters for a long-lasting, mutually beneficial, and friendly relationship.

**Prof. Neelima Gupta**

**Head of Department**

**Department of Computer Science  
University of Delhi**

# Placement Advisor'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 a three-year Master of Computer Applications (MCA) program. In 2004, recognizing the growing importance of computer science research in the country, the department started a two-year M.Sc. Computer Science program. The department also has a vibrant Ph.D. program with nearly 50 research scholars. MCA program 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 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 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. The Computer Science program is the flagship program 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, and Artificial Intelligence. Computer Networks, Data mining, Text mining, Network Analytics, etc. Through rigorous regimen programming assignments, the students acquire skills to think and develop innovative solutions within deadlines. We have more than dozen alumni who are either pursuing or have completed doctoral studies from prestigious universities in India and abroad. The majority of our M.Sc students are contributing to software companies. The Department is proud to have more than 1200 alumni holding important positions in the IT industry and academia at national and international levels.

**Prof. Vasudha Bhatnagar**  
**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.

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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 the 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 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 the 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 a 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



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# ACADEMIC PROGRAM & ADMISSION PROCEDURE

## **Master of Computer Applications**

Duration: 3 years

## **M.Sc. Computer Science**

Duration: 2 years



DEPARTMENT OF  
COMPUTER SCIENCE

Rohit Shakya

# ENROLLMENT DATA

MCA - 58

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M.Sc. - 56

# 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 the 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 the overall development of the student while concentrating on imparting technical skills required for an IT profession. No wonder, today after forty 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. MCAC101 Object Oriented Programming
2. MCAC102 Discrete Mathematics
3. MCAC103 Mathematical Techniques for Computer Science Applications
4. MCAC104 Computer Systems Architecture
5. MCAC105 Technical Communication

## Part-I Semester-II

1. MCAC201 Data Structures
2. MCAC202 Database Systems
3. MCAC203 Software Engineering
4. MCAC204 Data Communication and Computer Networks
5. Open Elective Course

## Part-II Semester-III

1. MCAC301 Design and Analysis of Algorithms
2. MCAC302 Information Security
3. MCAC303 Automata Theory
4. MCAC304 Operating Systems
5. Open Elective Course 2

## Part-II Semester-IV

1. MCAC401 Compiler Design
2. MCAC402 Parallel and Distributed Computing
3. MCAC403 Advanced Operating Systems
4. Elective Courses 1 & 2

## Part-III Semester-V

1. Elective Courses 3, 4, 5, 6, 7
  - MCAE501 Cyber Security
  - MCAE502 Graph Theory
  - MCAE503 Network Science
  - MCAE504 E-Commerce
  - MCAE505 Neural Networks
  - MCAE506 Artificial Intelligence
  - MCAE507 Machine Learning
  - MCAE508 Modelling and Simulation
  - MCAE509 Quantum Computing
  - MCAE510 Organizational Behaviour
  - MCAE511 Human Resource Management
  - MCAE512 Software Quality Assurance and Testing
  - MCAE513 Mobile and Satellite Communication Networks
  - MCAE514 NP Completeness and Approximation Algorithms
  - MCAE515 Text Analytics

## Part-III Semester-VI

1. MCAC601 Project Work

# M.Sc. Programme

The M.Sc. computer science programme, introduced in 2004, is a four-semester course that aims to impart quality education in core Computer Science. Students are prepared to face the challenges of the highly competitive IT industry and carry out research 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 undergraduate level, it aims at imparting knowledge of advanced courses in Computer Science. The course structure includes a minor project in the third semester followed by project work in the final semester, which helps in the development of research skills and prepare the students for technical positions in the software industry.



# M.Sc. Curriculum

## Part-I Semester-I

1. MCSC101 Design and Analysis of Algorithms
2. MCSC102 Artificial intelligence
3. MCSC103 Information Security
4. MCSC104 Mathematical Foundations of Computer Science
5. MCSC105 Data Mining

## Part-I Semester-II

1. MCSC201 Machine Learning
2. MCSC202 Advanced Operating Systems
3. MCSC203 Mobile and Satellite Communication Networks
4. Elective 1
  - MCSE201 Combinatorial Optimization
  - MCSE202 Digital Image Processing
  - MOSE203 Compiler Design
  - MCSE204 Database Applications
5. Open Elective 1
  - MCSO201 Java Programming
  - MCSO202 GPU Programming
  - Open Elective from other departments

## Part-II Semester-III

1. MCSC301 Minor Project
2. Electives 2&3
  - MCSE301 Cyber Security
  - MCSE302 Graph Theory
  - MCSE303 Network Science
  - MCSE304 Deep Learning
  - MCSE305 Neural Networks
  - MCSE306 Modelling and simulation
  - MCSE307 Computational Intelligence

- MCSE308 Parallel and Distributed Computing
- MCSE309 Software Quality Assurance and Testing
- MCSE310 Text Analytics
- MCSE311 Multi-Agent Systems
- MCS6312 Steganography and Digital Watermarking
- MCSE313 NP Completeness and Approximation Algorithms

### 3. Open Elective 2

- MCSO301 Data Science
- MCSO302 E-Commerce

## Part-II Semester-IV

1. MCSC401 Project Work

# 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 B.Sc.(H) Computer Science, BCA, 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 an 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 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 with minimum 60% aggregate marks in their graduation.**

**50% seats are reserved for 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 an interview.**



# Students Corner

# Certifications

## Data Science & Machine Learning

- Machine Learning - Stanford University Coursera and solelearn
- Deep Learning using Medical Data by Finland
- DeepLearning.AI TensorFlow Developer Professional Certificate
- Data Analytics for Business Course By Shaheed Sukhdev College of Business Studies
- DeepLearning.AI Deep Learning Specialization Certificate
- Data Analyst Track - 365 Data Science
- Data Science 365 certification in Deep learning with TensorFlow 2
- Intro to Machine Learning and Data Science - Udemy
- 30 days ML Bootcamp

## Programming Language & DSA

- Python for Everybody Specialization, University of Michigan (Coursera)
- MongoDB - Coursera
- Mysql BootCamp - Udemy
- Competitive Programming Course - Coding Ninjas
- R programming - Udemy
- NPTEL : Design and Analysis of Algorithms
- C# from Solearn
- Java training from CPD technologies
- Java Foundation With Data Structures from Coding Ninjas

## Web and App development

- Participation in ISRO's online course "Overview of Web GIS Technology"
- Android Basics in Kotlin Android Study Jams program
- Front End Development with React - Coursera
- Full Stack Web developer BootCamp - Udemy
- Udacity Nanodegree graduate | React
- Web Development 2018 - Internshala
- Web Application Development with Java Enterprise Edition - Aptech Learning
- Server-side Development with NodeJS, Express
- React + Redux from Solearn
- Full Stack Development with Python - Django

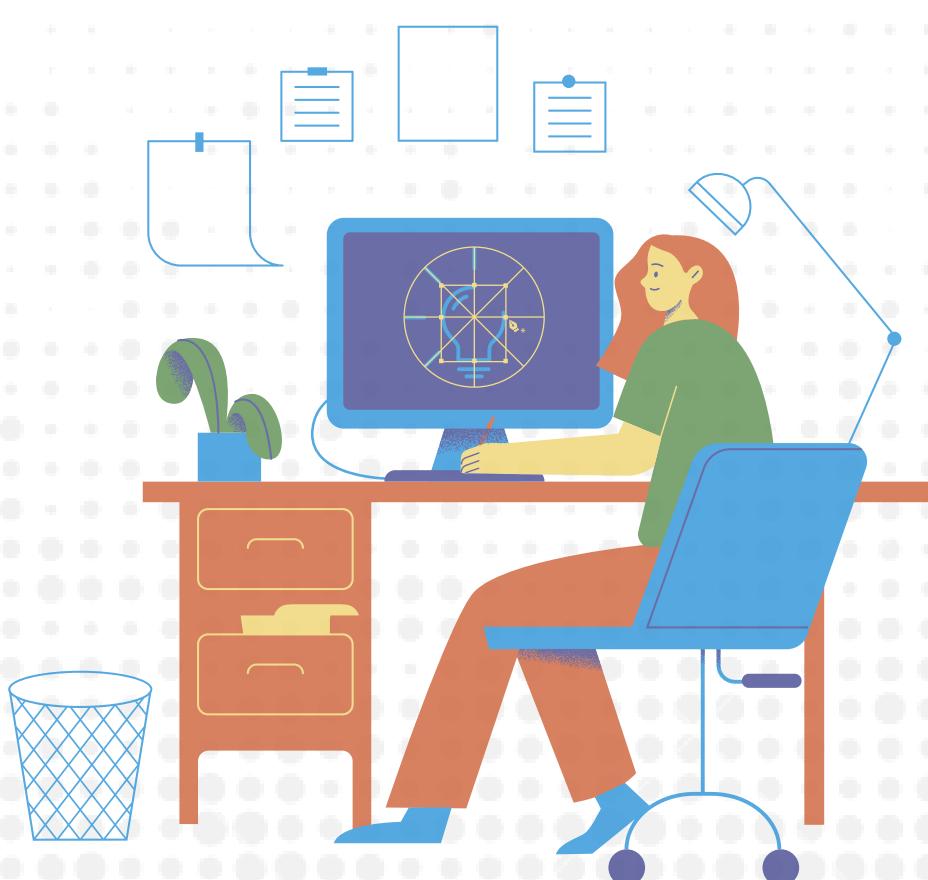
## More Certifications

- Goldman Sachs virtual engineering program
- Udemy Adobe Illustrator Masterclass Course Certificate
- Ethical Hacking course from Delhi Institute of computer courses
- Vector Design And Animation from RLA
- 98-367: MTA- Security Fundamentals
- Blockchain Basics - Coursera
- JP Morgan Software Engineering virtual programme

# Student Projects

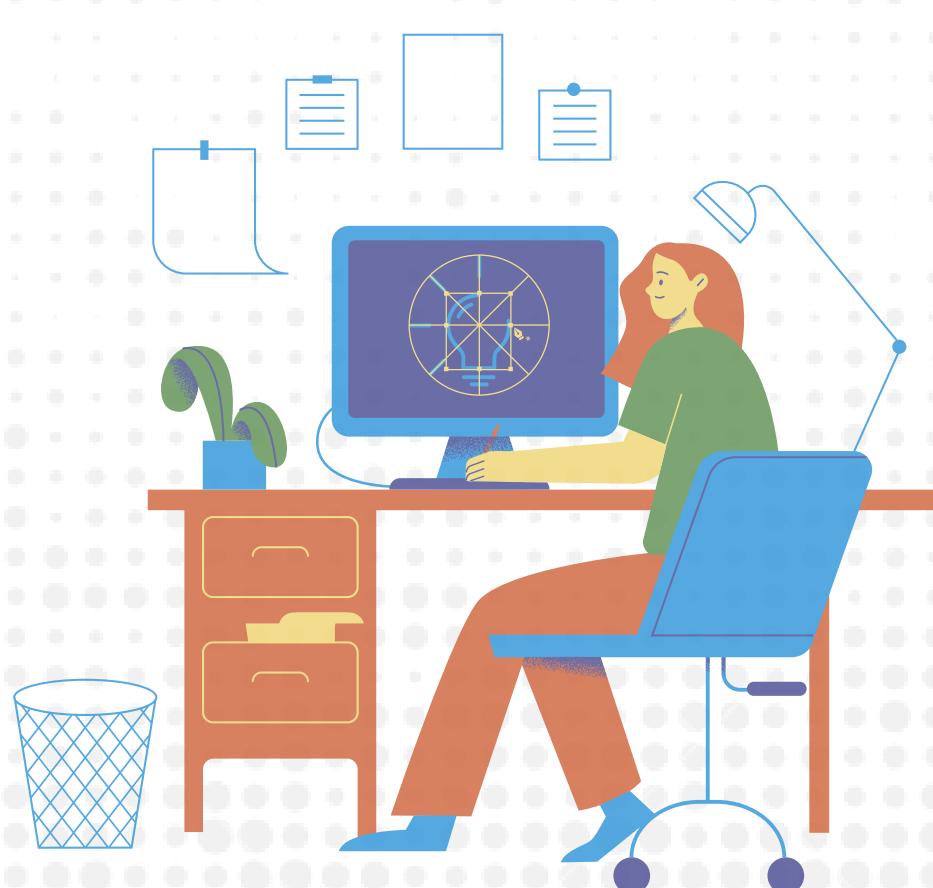
**Our students do not restrict learning to the confines of the classroom. They are always looking to push the boundaries of innovation and make the best use of technology. Following is a list of projects undertaken by students, independent of the department:**

- SecureChat: End to End encrypted android chat application
- Made Smarter: Web application to help organizations assess their digital readiness. To guide and generate reports with customized recommendations.
- Relayable: Web application built using React JS, Node JS, MongoDB, Web RTC, and socket.io to allow users to create public, semi-private, or private rooms to connect in voice chat rooms to allow discussion among various users on their topic of interest.
- Created a Hospital consultancy system using Java IDE and DBMS
- Django URL Shortner
- Time-based OTP system using speakeasy and node js
- Responsive Data Visualization tool using D3.js
- Court Case Management System
- Parking spot detection Application using Computer Vision
- Image Compression using Singular Value Decomposition
- Online Voting System
- File sharing App
- Crypto Hunter: Cryptocurrencies tracker web application built using React JS, Chart JS and Firebase.
- 3D Model viewer in OpenGL
- ATLAS - An Android App that connects services (driver, cook, tuition, maids, etc)
- Online Coding Platform using JSP
- Chat application in Android using Firebase
- Personalized Discord Bot for Coding Minutes community
- GAME(General Adversarial Mechanics Evolution): A Reinforcement learning project to train AI Agents against Adversaries.
- Image Based Search Engine using CNN
- Attendance System using face recognition
- Image stylization using AI
- AI Project on Text Summarisation
- Nature Images Classification using CNN
- Early Detection of Influenza Using Machine Learning Techniques



# Student Projects

- Hand Tracker and Virtual painter using OpenCV.
- Twitter hate speech Detection (supervised learning )
- Texture Feature Extraction: Impact of Variants on Performance of Machine Learning Classifiers
- Image style transfer through Neural network
- Texture Analysis Techniques in Image Processing (CSI Adhyayan)
- Currency Denomination recognition using AI.
- Driver drowsiness detection system
- Face Mask Detection System
- Dog Feedu : An Android App to keep the track of dogs using images that are given food at a particular time of day or not.
- A data science project to detect the number of people in a frame and a project on regression, classification, and neural network.
- Machine Learning project on Personality Prediction
- Analyzing Interests using Facial Emotion Recognition
- Moving object detection and segmentation
- Video Calling WebApp
- Voice Assistant
- Ticket booking website - Show Time
- Podacity: Spotify Podcast Recommender Progressive Web App
- Full Stack e-commerce website
- Memories- social media app
- Password generator and manager
- Library management system
- Friday: Python Voice Assistant
- YT Music: A Firefox extension to stream only audio on YouTube
- Feedu: An Android based Feedback Analysis system
- CovidHelper: A dashboard to view covid statistics around the world
- React app for movies and shows similar to IMDb
- Live Weather Telling Web App using open weather API
- Pathfinding Visualizer
- Sorting Visualizer
- Shape Detector Web App
- Goals Setter - Full Stack MERN App
- BharatBharman : Tourist Platform
- Blog Application
- Quantum Computing Playground
- Quantum Dojo
- Quantum Compiler
- Quantum Visual Sim
- A problem statement project on web development
- Astronomical instruments
- Virtual Piano
- Pomodoro Timer



# Achievements & Awards

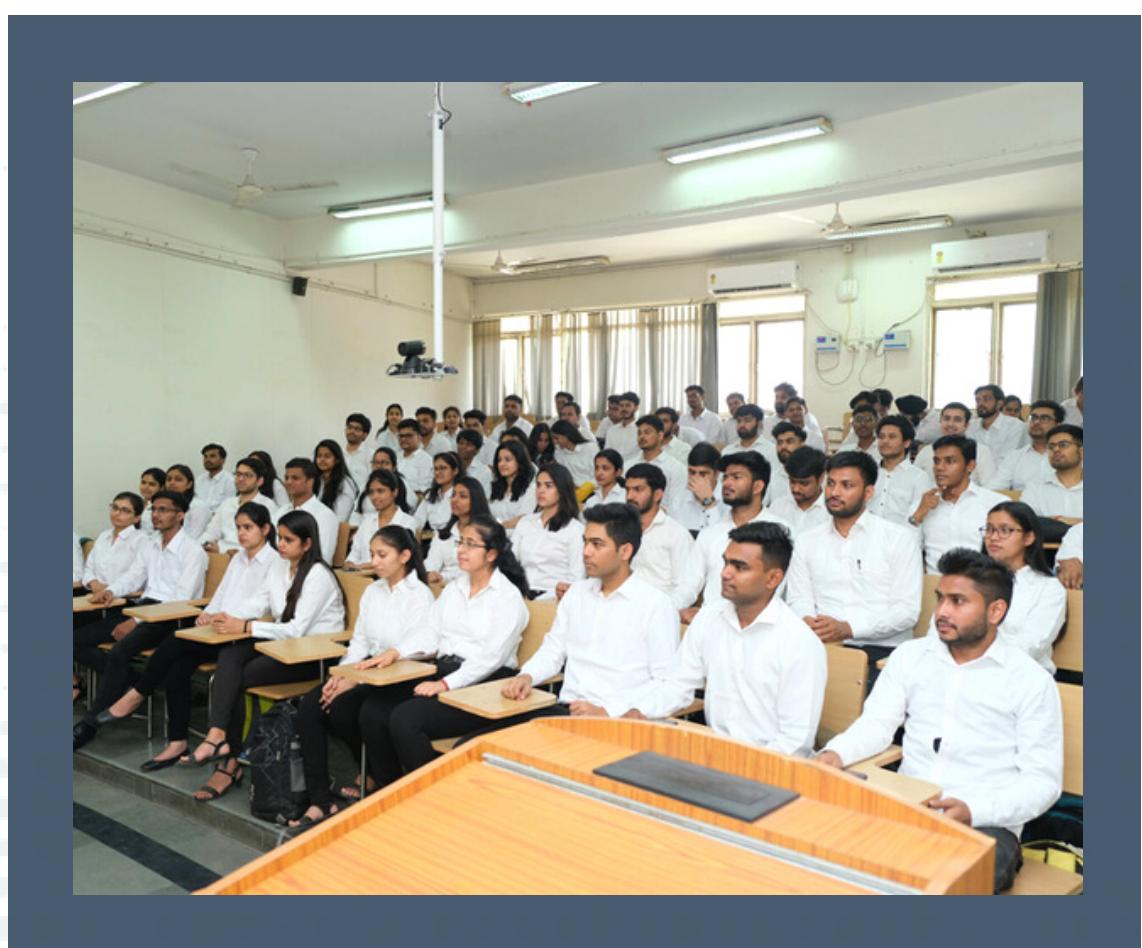
**The coronavirus pandemic may have limited our physical movement but it hasn't dampened the enthusiasm with which the department seeks to achieve excellence. Even with the challenges presented by virtual competitions and hackathons, our students have participated with zest and accolades on behalf of the department.**

- Published a paper on Texture Feature Extraction: Impact of Variants on Performance of Machine Learning Classifiers: Study on Chest X-Ray – Pneumonia Images in BDA-2020 International Conference. (2020)
- Paper Presentation - ICRIC 2021 [Indo Hungarian Conference]
- Secured Zonal Rank 22 (Delhi), International Rank 272 – National Cyber Olympiad – Science Olympiad Foundation
- Codechef 6 star country rank 881, global rank 1364
- Qualified Gate 2021
- Gold Medalist University of Delhi
- Won prize for Best TwilioQuest Extension in Def Hacks Worldwide 3.0 in 2021
- Won Third Overall in Tidy The Hack Up in 2021
- Conducted Hands-on session on Quantum Computing at TRYST 2022, IIT Delhi
- Won Third Overall in First Day Back Hacks hackathon in 2020
- Published a chapter on the Application of Deep Learning Techniques for COVID-19 Management in the book Understanding COVID-19: The Role of Computational Intelligence (2021)
- Article published in GeeksForGeeks Technical Scripter 2020
- Achieved state rank 11th in National Cyber Olympiad
- President of CodeChef DDUC Chapter for the academic year 2020-2021
- The lead of Google Developer Student Club
- Research Paper on AJAX and Sockets Performance (Published in Taylor & Francis Journal)
- Conducted Coding Minutes live coding session - How to make a Discord Bot with python
- Punjab Regional Head at GirlScript - A Non-profit tech community
- Smart India Hackathon 2018 Hackathon Finalist

# Workshops & Seminars Attended

**The students of our departments attend various workshops throughout the year to enhance their skills.**

- National Conference on Emerging Trends in Information Technology
- Microsoft Student Partners Introduction to Git and GitHub.
- Smart India Hackathon - (Seminar Sessions 2019-20)
- Two Days Workshop on Cyber Security and Cyber Laws, organized by SSCBS, ICSL, and DUCS.
- Mobile Security: Securing Digital Space conducted by C-DAC
- Lucideus's Secure Digital India: Cyber Security Awareness Program
- IoT and Cyber security (IIT KANPUR)
- "How NASA Auto Colourise Images with Deep Learning?" by TechLearn
- Techweek 2021 by IEEE DTU, Machine learning Workshop by IIT Bombay
- Workshop on Data analytics with python by Antrix Academy of Data Science
- National Seminar on Ethical Hacking
- Seminar on Latest Trends in Blockchain Technology"
- Network Implementation - Network Bulls
- Bug bounty workshop by eSecurify
- Big data (hadoop) by wingfotech Pvt Ltd.
- Alexa India Skill Challenges
- Cloud, Android, Web Study Jams Sessions of GDG, GDSC DUCS
- Progressive Web Apps session by GDG Delhi



# Laboratory Facilities



## Open Source IDE

- Dev C++
- Turbo C++
- Python IDLE
- Altova XML Suite 2008
- NetBeans 8.2
- Eclipse
- Android Studio
- JDK 18
- ADT Bundle for Android
- R Studio

## Operating System

- Windows 8
- Windows 10
- Ubuntu 22.04

## Text Editor

- Sublime Text Editor
- Notepad ++

## Application Software

- MS Office 2018
- LateX

## Open Source Server

- Glassfish

## Numerical Computing Software

- Matlab 2014a

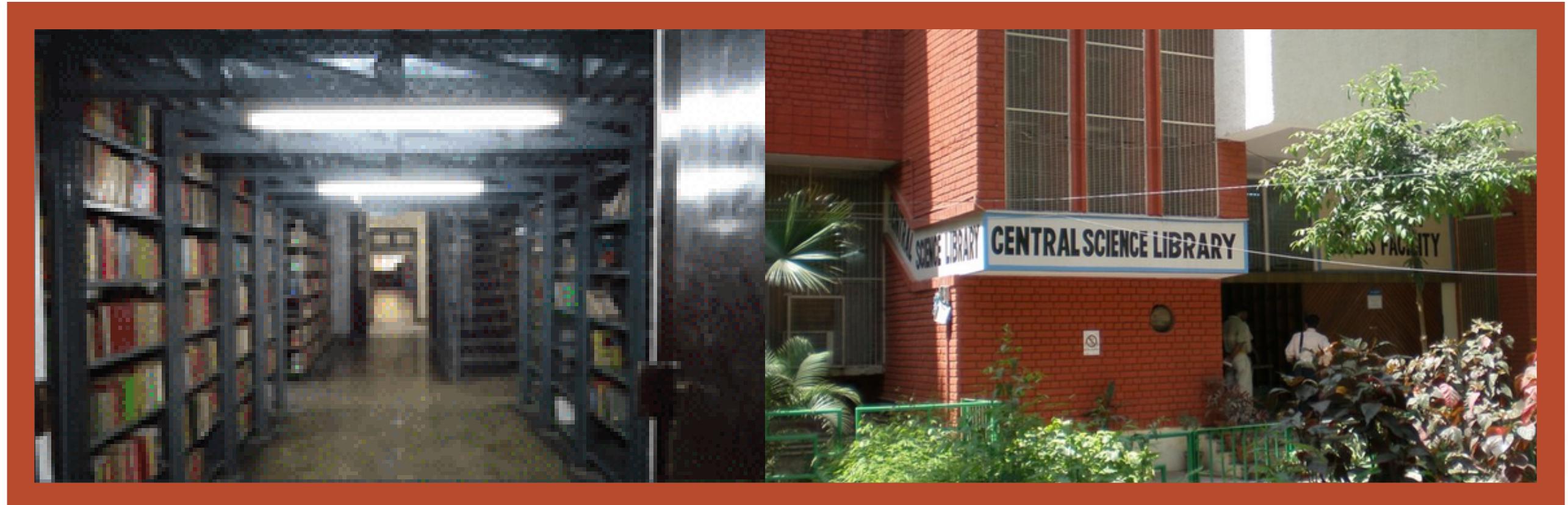
## Security Tools

- Microsoft Security Essential
- Windows Defender

# More about the Department...



# Library Facilities



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 partnerships with the University libraries to facilitate learning, teaching, and research.

Our department promotes intellectual discovery, critical thinking, and lifelong 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 members of the CSL library. Established in 1981, the **Central Science Library** provides students with a collection of over 2,20,000 volumes of books and periodicals. The website of CSL provides an electronic subscription for approximately 27,088 e-journals of national and international repute, including IEEE, ACM, Springer journals, and proceedings.

In light of the COVID-19 pandemic, online library services have been available to all students of the University, including Remote Access to e-resources, plagiarism verification, and request for full-text papers.

# Student Initiatives

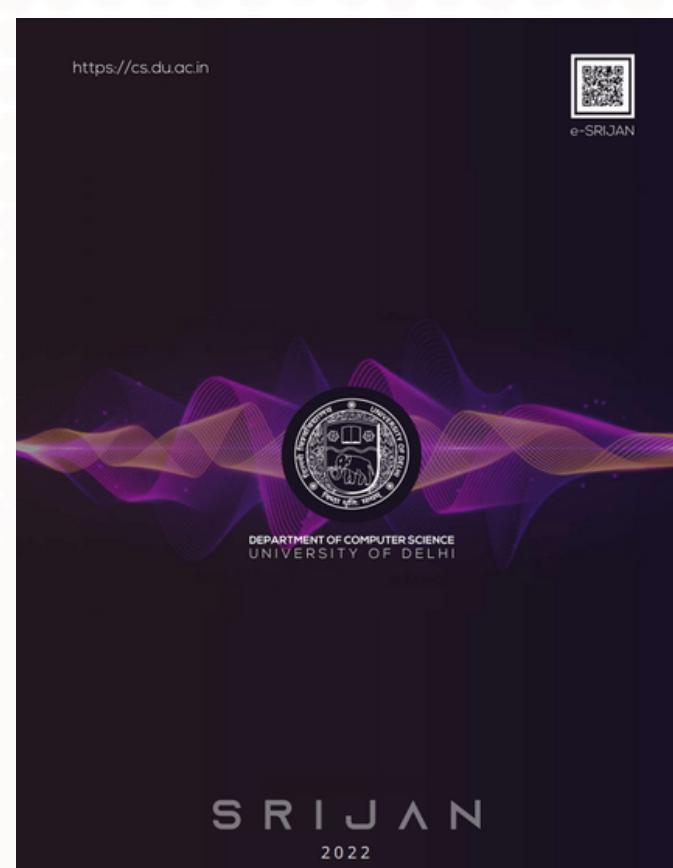
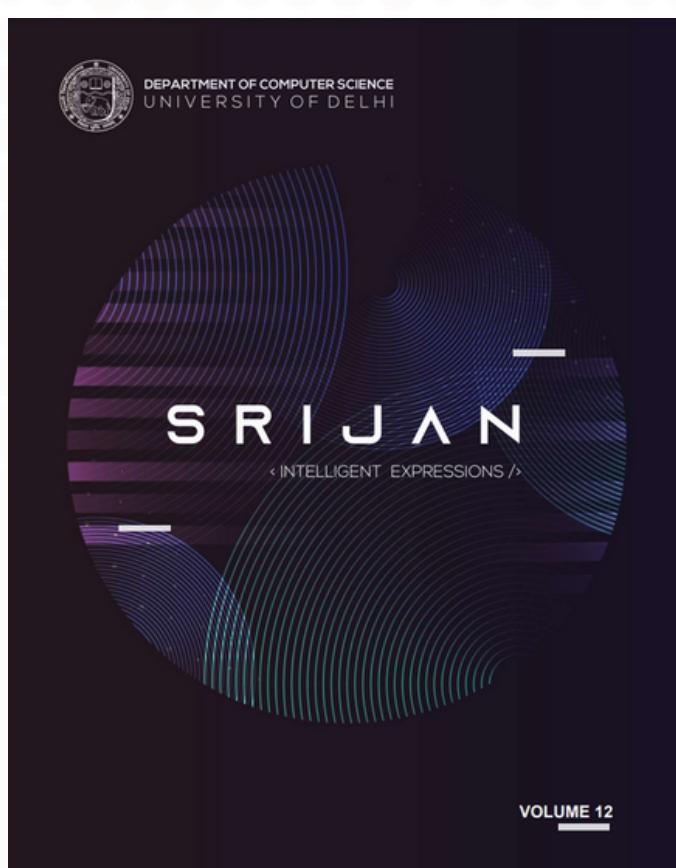
## Delhi University Computer Science Society

The Department creates an environment for students to take up challenging tasks. This helps bring forth their latent capabilities; discover their full potential, and hence enhances this little yet significant society 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 a 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 that brings out the technology as well as a creative spark to the life of the students.

## SRIJAN: The Student Magazine

“Srijan” as the name suggests is the creation of a doorway letting everyone express their 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 bring out their creative side.



# Clubs Of DUCS

## Alumni working Club

The student community is believed to be incomplete without the support and encouragement of its alumni. The club dedicatedly functions to create and maintain a lifelong connection between the institute and its alumni.

The department is proud to have alumni placed in prestigious companies like Amazon, Microsoft, Adobe, Google, Intel, Morgan Stanley, etc. Some of our alumni are founders of extremely successful start-ups. Seminars, workshops, Sankalan (our technical fest), and hackDUCS (our hackathon) serve as the platform of connectivity between the students and the alumni.

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 placements with study sessions, pep talks and give them insights about the working of the industry.

## DUCS Coding Club

DUCS coding club is an active body that 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 21 shirt for creating pull requests 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.

# Clubs Of DUCS

## Google Developer Student Club

Google Developer Student Clubs are community groups for college and university students interested in Google developer technologies. It intends to bridge the gap between theory and practice. Google provides a timeline to conduct a set of events and provides content and any help needed. The mission of the GDSC is to Learn, Share and Grow together as a community.

Communities like GDSC gives students a platform where they can share their knowledge and help peers learn new technologies. GDSC DUCS tries to take a practical approach to learn technologies that are widely used in the industry.

Apart from the timeline provided by Google, students can conduct other sessions also. GDSC DUCS conducted many sessions related to different technologies like open source contribution, android apps, google cloud platform, git & GitHub, etc helping students learn new technologies and sharpen their skills.

## CodeChef Chapter

The CodeChef chapter is an active programming community of DUCS, promoting constant learning and a friendly environment for students. This community is an aspiring platform that emphasizes improving coding skills via various means.

CodeChef chapter hosts various events for learning and improving, introducing new students to the era of Competitive Programming. It encourages coding contests, community learning, and a collective learning mindset among the chapter members. And motivate students to innovate great ideas to take the coding community forward. The chapter also brings out leadership principles in students by assigning them roles in the community.

CodeChef chapter has successfully conducted many sessions and contests inspiring students to improve on their data structure and algorithms skills, coding practices, and core knowledge of programming.

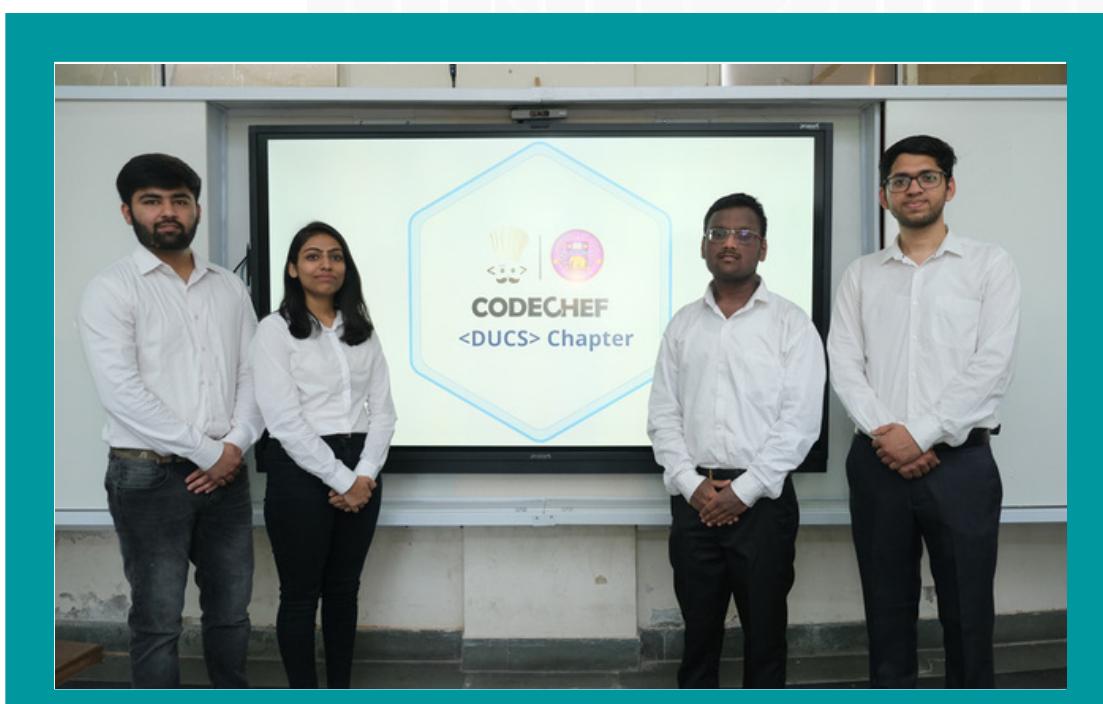
# Students Activities

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 fun get-togethers like Fresher's, Farewell and Diwali Party.

## Clubs Activities

This academic year, DUCS clubs conducted many sessions few of them are the following:

1. Contributing to Open Source
2. Binary Search
3. Code - A - THON
4. Graphs Problem Solving
5. Dynamic Programming
6. Bit Manipulation
7. Modern UI design
8. KnowTheGit
9. Android App Development
10. Introduction to Google Cloud Platform



# Sankalan- Our Tech Fest

Since its inception in 2005, every year DUCS organizes 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.

Sankalan has a combination of both technical and non-technical events. This year's Sankalan was more memorable because this year Sankalan was conducted offline. Students enjoyed the real thrill of competition and enjoyment. Some of Sankalan events are:

## Technical:

- Algoholics - Algorithms quizzes
- Code Auction - Coding Competition
- Blind Coding - Coding Competition
- Cipher-o-more - Encryption/Decryption
- Web Space - Website making Competition
- Mind Matters - Industry quizzes
- Select \* from brain - Database quiz
- Androeffcient - Android app making Competition



## Non-Tech:

- Alacrity - Photography Competition
- Chakravyuh - Treasure Hunt
- Ideaogram - logo making Competition
- Pictionary
- Turn A Coat
- Just A Minute



# Our Alumni

Through sheer skill, commitment and hard work the alunmi of Department of Computer Science have distinguished themselves in the industry and academic alike. 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

Professor  
Department of Computer Science  
University of Delhi, India  
MCA, 1985

## MAHADEO JAISWAL

Founding Director  
IIM Sambalpur  
Ph.D. 1992

## GULSHAN KUMAR

Managing Director, VP & Global  
Business Unit head, Nagarro  
MCA, 1988

## Dr. SAIBAL K. PAL

Senior Scientist, Scientific Analysis  
Group, DRDO  
PhD , MSc

## MANISH MADAN

Senior Vice President  
Tech Mahindra  
MCA, 1996

## SANJAY GUPTA

Entrepreneur  
Mobisolv  
MCA, 1996

## ANITA JINDAL

Senior Director, Engineering, VMware  
Board Member, STEMentors Silicon Valley  
MCA, 1985

## RATNABOLI GHORAI DINDA

Deputy director general  
National Informatics center  
MCA, 1985

## C.P. MURALI

Board Advisor at Truminds Software.  
MCA, 1986

## VANDANA AGGARWAL

Director Metrics Governance - ONEx  
Cisco  
MCA, 1988

## PREETI SINGH

Senior Manager  
Ciena  
MCA, 1992

## Tulika Garg

Product Manager, Adobe DX Cloud  
Adobe  
MCA

## RAJIV MITTAL

Director  
innoTrust Consulting  
MCA, 1996

# Our Alumni

## Kumaran Sasikanthan

VP Product Development  
Informatica  
MCA, 1998

## VIJAY KRISHNAN

Technical Program Manager  
Meta  
MCA, 2002

## SACHIN VERMA

Engineering Lead  
Google  
MSc, 2006

## BHUVNESHWAR KUMAR

Senior SDE  
Microsoft  
MCA, 2007

## SUMIT SHARMA

Analytics Lead  
Meta  
MSc 2012

## SAURABH GARG

Engineer Manager, Adobe  
MCA, 2015

## ABHRAJIT GHOSH

Network Security Engineer  
Meta  
MCA, 1993

## RANJAN DHAR

CMO, HyLyt  
Area VP, McITs Technologies  
MCA, 1989

## GAURAV KALRA

Technology Lead, Simsim  
Google  
MCA, 2005

## TOTA RAM VERMA

Assistant Vice President  
Citi Group  
MCA, 2007

## PRANAV KHANDELWAL

Software Development Manager III  
Amazon  
MCA, 2011

## HARISH PRANAMI

Software Engineer - Big Data  
Apple  
MCA, 2012

QQ

Any institutions' alumni are key to its  
growth.

-Shiv Nadar QQ

# All about Recruitment



# Our Past Recruiters



# Our Past Recruiters



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Photo (Left to Right) : Tania Aggarwal, Urja Sehgal, Rohini Singh, Shivam Gangwar, Mukul Singh, Ankit Kumar

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