

QUBIT 2024

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING



DEVELOPING MINDS...

MRS. ALKA DAS GUPTA (HON'BLE CHAIRPERSON)



MRS. ALKA DAS GUPTA

Innovation requires passionate explorers who propel transformation at the workplace. With an ever-changing global scenario, the key to success is responding to the complex and rapidly changing issues in the world of information technology. The Department of Computer Science & Engineering of ADGIPS is always making efforts to justify these points.

We impart an education that is based on consciousness and we rear a breed of young minds that are bustling with self-confidence, motivation, and ever ready to take up challenges. The campus, sports, and academic facilities all bear testimony to this effort. In order to promote an internationally acceptable education, our key focus has been on overall development.

Proficiency in computing technology has become essential for modern-day managers, business leaders, entrepreneurs, and other professionals. It is a welcome development. I look forward to QUBIT 2023 setting a higher pedestal. I wish to QUBIT editorial team a grand success!

MR. VIRAJ SAGAR DAS (HON'BLE PRESIDENT)



MR. VIRAJ SAGAR DAS

I feel so delighted to find that the path of creativity and innovation is consistently followed by the Department of Computer Science & Engineering. It always encourages its students to actively participate and compete in various competitions and events to show their abilities towards the new platforms of technology.

A great part of the magazine is the fact that it brings us a bouquet of topics which are of utmost relevance and interest to all. It is a great pleasure for me to get to know all the activities and achievements of the Department of Computer Science & Engineering of Dr. Akhilesh Das Gupta Institute of Professional Studies in the form of such an interactive read. I convey my best wishes for the success of QUBIT 2023.

PROF. (DR.) NIRANJAN BHATTACHARYYA (DIRECTOR, ADGIPS)



PROF. (DR.) NIRANJAN
BHATTACHARYYA

Dr. Akhilesh Das Gupta Institute of Professional Studies (ADGIPS) is now in its nineteenth year with great success as a premier technical institution. It has emerged as one of the most preferred institutes of Engineering, Management & Law.

We are today among the best education providers in the GGSIPU system. Our results are exemplary both from the point of view of merit as well as from the placement perspective. Our students have been placed in the best organizations of the country. Many have gone abroad for higher studies. The last Seven years have been a challenging and rewarding experience for us.

Babu Banarsi Das International Group of Educational Institutions has evolved as a symbol of quality education dedicated to nurture the talent and aspiration of the dynamic, vibrant & bright youth of our country. Globalization has brought in its wake an emphasis on consumer concerns, such as quality (quality assurance is the need of the hour for continuous upgradation), infrastructure and teaching-learning processes. Economic restructuring of any country heavily depends on the institution's performance and technology-driven teaching practices. Dr. Akhilesh Das Gupta Institute of Professional Studies, New Delhi has introduced such practices to develop young students as engineers to meet these demands of society. Our students are creative and highly professional.

DR. SAURABH GUPTA

(HOD, CSE, ADGIPS)



DR. SAURABH GUPTA

Once an author very rightly said that “Listen to the people who love you. Believe that they are worth living for even when you don't believe it.” The Educational System of ADGIPS is not limited to a defined curriculum only but to develop and cheer all the spheres of people especially students associated with.

ADGIPS's Department of Computer Science & Engineering always works in the direction of enhancement of Entrepreneurial abilities among the students and helps them in working on those relevant projects which can act as a landmark for our developing society. Department of Computer Science & Engineering is a cluster of some of the great scientific research fields which when together work upon gives wings to dreams to touch the sky of reality. Students of Computer Science & Engineering are placed with top IT companies. Department of Computer Science & Engineering always works towards developing engineers with a rich set of technical, managerial, ethical and social skills so that they can contribute to nation building.

VISION & MISSION



DR. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES, NEW DELHI

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VISION

To produce technocrats, researchers, and entrepreneurs in the field of computer science & engineering who are socially responsible.

MISSION

- To provide quality education in the field of computer science & engineering with emphasis on research and innovations.
- To inculcate professional behavior, strong ethical values, and leadership skills.
- To provide a platform for promoting entrepreneurship and multidisciplinary activities.



CONTENTS

ON PAGE NUMBER

1

EVENTS

10

ACHIEVEMENTS

13

ARTICLES

17

PLACEMENTS



EVENTS

DR. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES, NEW DELHI

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ORGANIZED

WORKSHOP ON “DIGITAL MARKETING AND META ADS”

Date of Event: January 30th, 2024 (10:00 AM - 02:00 PM)

Venue: Smart Room-4106, Department of CSE (Block-4)

Objectives: Focus on emerging digital technologies relevant to startup business and entrepreneurial ventures.

KEY TAKEAWAYS

The workshop took place in the department of CSE (Room No. 4106) by Mr. Shubham Tehariya, an expert in Digital marketing and Meta Ads. Digital Marketing is an exciting area of marketing practice. The workshop will focus on emerging digital technologies relevant to startup business and entrepreneurial ventures. Hands-on experience with efficient and frugal strategies for customer engagement and market development is among the core deliverables of the workshop.

OUTCOMES

Faculties from CSE and IT department registered for the workshop.

BENEFICIARIES

CSE, IT, AI&DS, AI&ML Faculties ADGIPS.

Photographs of the event with title: Skill Development Program



DR. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES, NEW DELHI

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ORGANIZED

Industrial Visit to "NETWORK BULLS"

Date of Event: February 7th, 2024

**Venue: SCO 9-12, Old Delhi Rd, Sector 14,
Gurugram, Haryana 122001**

KEY TAKEAWAYS

The Motive of Industrial Visit is to provide students a chance to learn practically from theoretical knowledge through interaction, working methods, and employment practices in large industries. It gives exposure to current work practices against possibly theoretical knowledge being taught at school or in colleges. Industrial visits provide a wonderful opportunity to interact with industries and know more about the industrial environment, how the machines are working, and which principles they work for. The Industry Expert Took an Advance lecture on Computer Networks and related Technologies which are in Trends for better understanding of Students and shows live Industry Based Projects. Students participated with great enthusiasm and showed their interest by raising queries related to Computer Networks and Cyber Security.

OUTCOMES

50+ students registered for the event and visit to the Industrial Visit.

**Photographs of the event with title: Industrial Visit to
"NETWORK BULLS"**



DR. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES, NEW DELHI

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ORGANIZED

Seminar on "master abroad"

Date of Event: February 12th, 2024 (10:00 am-11:00 am)

Venue: Auditorium, Department of CSE (Block-2)

KEY TAKEAWAYS

The Aptitude quiz took place in the laboratory in Auditorium. The seminar was conducted to get all the information related to abroad study. The Speaker Mr. Vineet Gupta, Co-Founder of Jamboree Education help students to clear their doubts and how they can succeed their master study in Abroad. The duration was of 1 hour. Students participated with great enthusiasm and asked their queries to the speaker.

OUTCOMES

300+ students participated in this seminar



DR. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES, NEW DELHI

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ORGANIZED

Guest Lecture "Soft computing And Fuzzy Logic"

Date of Event: April 24th, 2024 (10:00 am-11:30 am)

Venue: Auditorium (Block-2)

KEY TAKEAWAYS

The Guest Lecture on "Soft Computing and Fuzzy Logic" was organized by CSE department. It took place in the Auditorium in Block 2. The Talk was given by prof. (Dr.) Laxmi Ahuja from Amity University Noida. She has expertise in Soft Computing, Fuzzy Logic and Machine Learning and has more than 100 publications in Scopus as well as ESCI journals and conferences. The level of the expert lecture was to ensure that students will learn this topic from scratch upto the advanced level. The duration was of 1 hour. Students participated with great enthusiasm and showed their keen interest in the topic and asked their doubts.

OUTCOMES

100+ students participated in this guest talk



DR. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES, NEW DELHI

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ORGANIZED

Industrial Visit to "ATAL ACADEMY AND IDEA LAB"

Date of Event: April 24th, 2024 (10:00 am–11:30 am)

Venue: Auditorium (Block-2)

KEY TAKEAWAYS

The Motive of Industrial Visit is to provide students a chance to learn practically from theoretical knowledge through interaction, working methods, and employment practices in large industries. It gives exposure to current work practices against possibly theoretical knowledge being taught at school or in colleges. Industrial visits provide a wonderful opportunity to interact with industries and know more about the industrial environment, how the machines are working, and which principles they work for. The Industry Expert Took an Advance lecture on Technologies which are in Trends for better understanding of Students and shows live Industry Based Projects. Students participated with great enthusiasm and showed their interest by raising queries.

OUTCOMES

50+ students registered for the event and visit to the Industrial Visit.

Beneficiaries: CSE, students.

**Photographs of the event with title: Industrial Visit to
"ATAL ACADEMY AND IDEA LAB"**





ACHIEVEMENTS

Sambhav, Shiv Kumar Singhal and Amit Kumar (2021-25) secured 1st rank with a prize pool of ₹4,00,000 in event "Corporate Consortium" organised on 11th March, 2024 by Hindu College, University of Delhi (DU), New Delhi.



Pahul Singh secured 1st position in Stand-up Comedy organised by DTU on 13 Feb 2024.

Shiv Kumar Singhal, Sambhav, Amit Kumar and Ankur Garg secured 3rd position with cash prize in Bulls 4 Bear organised by NDIM, Delhi on 16 March 2024.



Dhanraj Sardana (2021-25) secured 1st position in Drama organised by IGDTUW drama society on 6th March, 2024.

Rohit Sharma, Ritika Budhiraja ,Kumar Utkarsh (2022-26) secured 1st position in HACKTHON "CODEKSHETRA" Organised by JIMS Rohini on 5th & 6th February 2024.



Manan Gakkhar ,2nd Runner up in Strret Dance organised by Anugoonj(GGSIPU) 2024.

Yuvraj Khanna (2021-25) secured AIR - 831 in GATE 2024 Exam.





ARTICLES

EMERGING TECHNOLOGIES



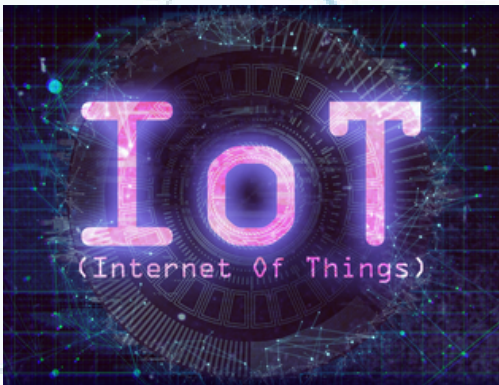
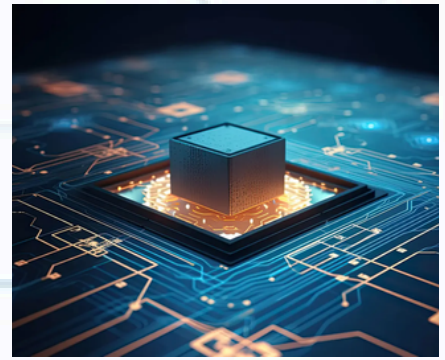
Gagan Tomar (batch 2021-25)

The rapid evolution of technology has ushered in groundbreaking advancements in the realm of computer science. Among the most notable emerging technologies, artificial intelligence (AI) and machine learning (ML) stand out, revolutionizing industries by enabling systems to learn and adapt autonomously. These technologies drive innovations in natural language processing, autonomous vehicles, and predictive analytics.

Blockchain technology is another game-changer, offering decentralized and secure solutions for transactions and data management. Its applications extend beyond cryptocurrencies, impacting sectors like supply chain management, healthcare, and finance.



Quantum computing promises to solve complex problems at unprecedented speeds, outpacing classical computers. This technology has the potential to revolutionize fields like cryptography, material science, and pharmaceuticals.



Additionally, the Internet of Things (IoT) connects everyday devices to the internet, creating smart environments that enhance efficiency and convenience. From smart homes to industrial automation, IoT is transforming the way we interact with technology.

These emerging technologies hold immense potential to reshape the future, making it crucial for students and professionals alike to stay informed and adapt to these dynamic advancements. By embracing these innovations, we can unlock new opportunities and drive progress in the digital age.



BLOCKCHAIN TECHNOLOGY



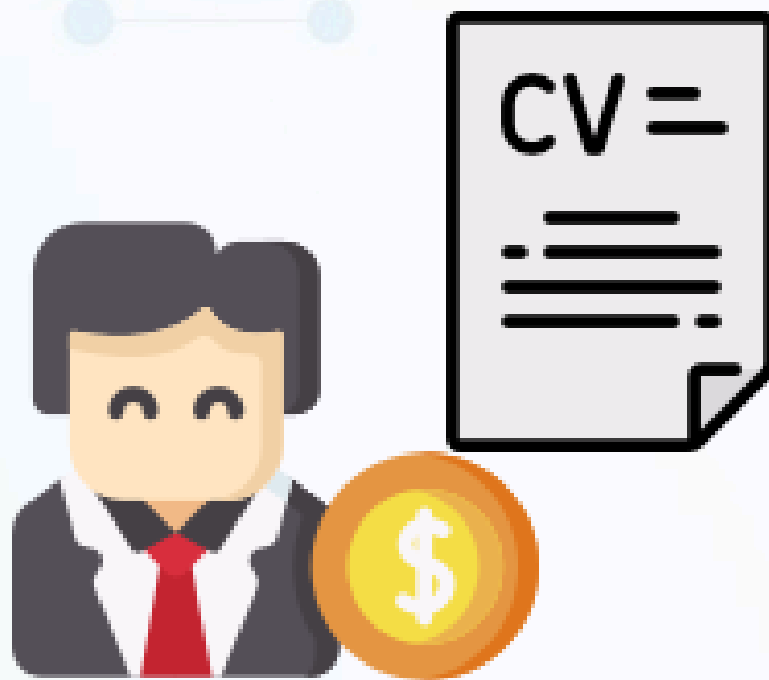
Satyam Agrahari (batch 2020-24)

Blockchain technologists handle the development, design, and implementation of blockchain-based systems and applications. They work on creating decentralized platforms and solutions that uses across various industries, such as finance, supply chain management, and digital identity verification. These technologists handle the code that runs the blockchain network, including designing, testing, and maintaining the code. They also work on creating smart contracts and other blockchain-based applications.

Besides development and implementation, blockchain technologists also play a vital role in the research and development of new blockchain-based solutions. They explore new use cases, identify opportunities for innovation, and evaluate emerging technologies.

This includes identifying new ways to apply blockchain technology to solve real-world problems, researching new blockchain platforms and exploring new technologies that can be integrated with blockchain. They also ensure that the blockchain networks and applications are secure, perform, and comply with regulatory requirements.





PLACEMENTS & INTERNSHIPS

200+

STUDENTS PLACED

ArguSoft India Limited

2

Priyam Jain
Pankhuri Deshmukh

Rs. 7.12 LPA
Rs. 7.12 LPA

DeltaX

3

Pranshu Jain
Viruj Thakur
Ria Shridher

Rs. 7 LPA
Rs. 6 LPA
Rs. 8.50 LPA

Truminds Software Systems

3

Yukti Sethi
Simran Dhankar
Chirah Goyal

Rs. 6 LPA
Rs. 6 LPA
Rs. 6 LPA

Lakshmikumaran & Sridharan

5

Anjali Verma
Khushi Mishra
Krishna Singh
Mohd Rameez Ansari
Trisha Bhatia

Rs. 5.40 LPA
Rs. 5.40 LPA
Rs. 5.40 LPA
Rs. 5.40 LPA
Rs. 5.40 LPA

Survey2connect

2

Pankhuri Deshmukh
Daksh Kant

Rs. 7 LPA
Rs. 7 LPA

Microsoft India (R&D) Pvt.Ltd.

5

Pratibha Gupta

Rs. 48 LPA

CISCO

1

Yukti Sethi

Rs. 25.50 LPA

Celeb AI

1

Manas Tiwari

Rs. 4 LPA

AVALON INFORMATION SYSTEMS

4

Himanshi Kapoor
Rohan Bhatia
Shivam Gupta
Vansh Bansal

Rs. 4.80 LPA
Rs. 4.80 LPA
Rs. 4.80 LPA
Rs. 4.80 LPA

DevIT Serv

1

Kanika Rajpal

Rs. 6 LPA

4 Way Tech

4

Sumit Mehta
Anshpreet Singh
Yugansh Arora
Ronit Bakshi
Shaurya Gupta

Rs. 3.48 LPA
Rs. 3.48 LPA
Rs. 3.48 LPA
Rs. 3.48 LPA
Rs. 3.48 LPA

Deloitte USI Consulting

2

Mohak Khatri
Nipun

Rs. 4.50 LPA
Rs. 4.50 LPA

Virtuous Digital

1

Anushka Tyagi

Rs. 5.65 LPA

Precisely Software & Data Pvt. Ltd

1

Preet Mehta

Rs. 4.80 LPA

INFOSYS

1

Anushka Tyagi

Rs. 9.50 LPA

Freecharge

4

Ansh Tyagi
Tushar Kapoor
Priyam Jain
Vani Rastogi
Rashmi Gourh
Ishika Aggarwal
Himanshi Sharma
Mohit Goel

Rs. 5.50 LPA
Rs. 5.50 LPA
Rs. 5.50 LPA
Rs. 5.50 LPA
Rs. 5.50 LPA
Rs. 5.50 LPA
Rs. 5.50 LPA
Rs. 5.50 LPA

Eastern Software Solutions Pvt. Ltd.

1

Abhinav Bhatt

Rs. 2.80 LPA

Jaro Education

1

Mehak Sharma

Rs. 6.78 LPA

Teleperformance India

3

Saksham
Mridul Gupta
Deepak Sharma

Rs. 3.50 LPA
Rs. 3.50 LPA
Rs. 3.50 LPA

Virtuous Digital

1

Mohammad Danish Khan

Rs. 2.74 LPA

TCS NQT

36

Preetjot Kaur
Anand Kumar Dubey
Deepanshi Singhal
Kunal Kashyap
Muhammad Imran Khan
Neha Sehgal
Tapan Sonak
Yogya Prashar
Shivam Kumar
Aahi Aggarwal
Aditya Narayan Yadav
Anand Kumar Dubey
Anmol Sharma
Anmol Wadhwa
Anurag
Ayush Mehta
Dhairya Jain
Dhruv Goel
Garvit Chopra
Jai Parasher
Manas Tiwari
Mehak Sharma

Rs. 9.50 LPA
Rs. 7.50 LPA
Rs. 7.50 LPA
Rs. 7.50 LPA
Rs. 7.50 LPA
Rs. 7.50 LPA
Rs. 7.50 LPA
Rs. 7.50 LPA
Rs. 7.50 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA
Rs. 3.37 LPA



Mohak Khatri	Rs. 3.37 LPA
Mohammad Danish Khan	Rs. 3.37 LPA
Mohit Goel	Rs. 3.37 LPA
Nandika Taneja	Rs. 3.37 LPA
Ritik	Rs. 3.37 LPA
Riya Dubey	Rs. 3.37 LPA
Sanual Mustafa	Rs. 3.37 LPA
Shreya Kapoor	Rs. 3.37 LPA
Tapan Sonak	Rs. 3.37 LPA
Trisha Bhatia	Rs. 3.37 LPA
Vaibhav Singh	Rs. 3.37 LPA
Vani Rastogi	Rs. 3.37 LPA
Vikas Adhikari	Rs. 3.37 LPA
Yash Aggarwal	Rs. 3.37 LPA
Ankit Kumar Jha	Rs. 3.37 LPA
Shivam Bisht	Rs. 3.37 LPA

EDITORIAL BOARD



MS. APURVA JAIN

Editor in Chief,
Faculty of Department of
Computer Science & Engineering

JAPINDER SINGH

(Batch 2022-26)

Co-Ordinator,
Technical Department,
Computer Science & Engineering



AARSH VEER SINGH

(Batch 2022-26)

Co-Ordinator,
Technical Department,
Computer Science & Engineering

