LECTRON

2024-2025

Electronics and Communication
Engineering Department

OUR PATRONS

Revitalizing the Essence of ADGIPS

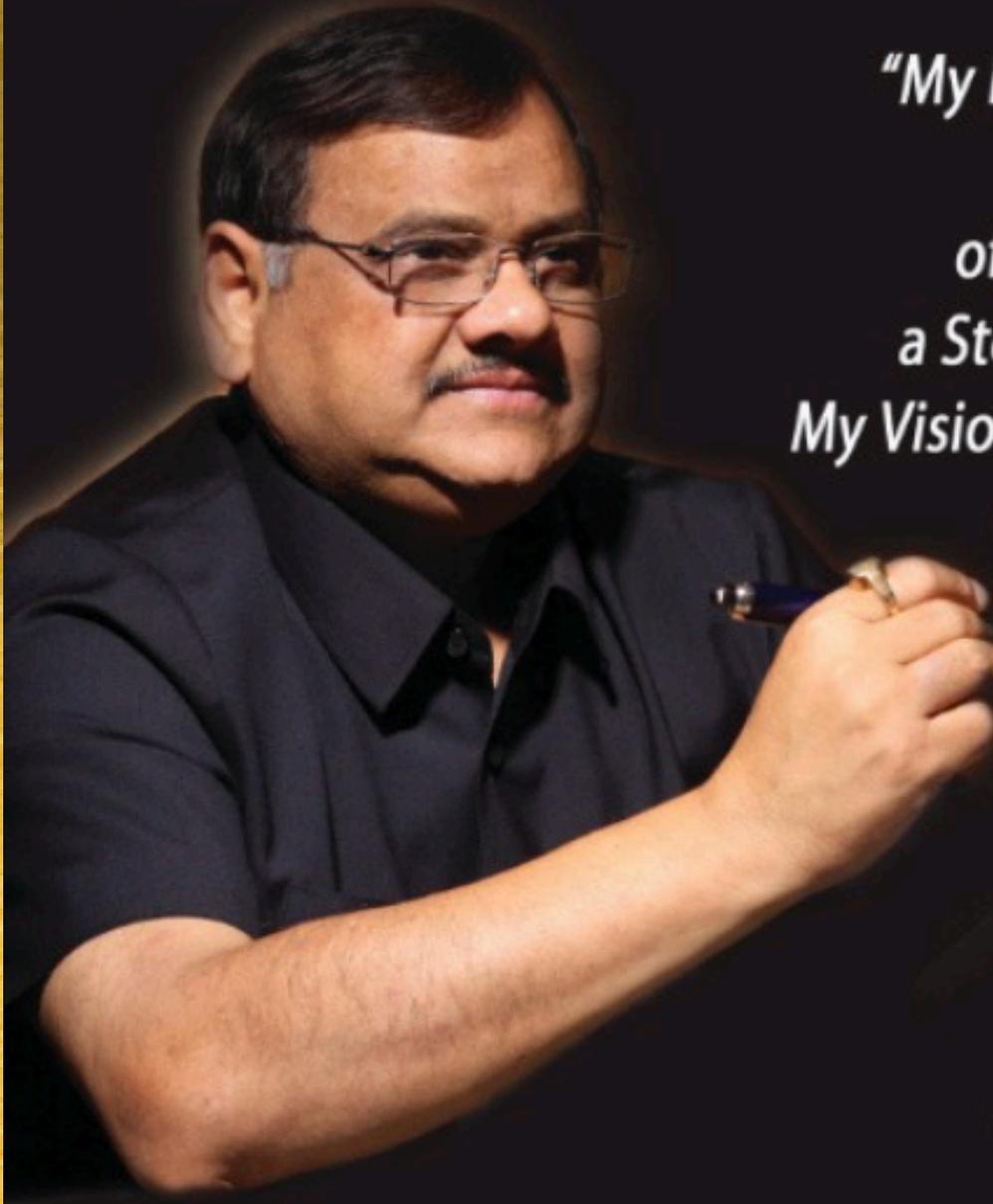**Late Shri Babu Banarasi Das Ji**

Late Dr. Akhilesh Das Gupta

Mrs. Alka Das Gupta

Mr. Viraj Sagar Das Gupta

In Memory of Dr. Akhilesh Das Gupta

अखिल ज्योत

AKHIL JYOT

"My Idea of a Society
is a River
of Education &
a Storm of Success.
My Vision of life is an Ocean
of Learning
& a Tide of
Humanity"

शत् शत् नमन

FROM THE CHAIRPERSON

BBD GROUP OF EDUCATION

The Department of Electronics And Communication Engineering has always been the gem of the Dr. Akhilesh Das Gupta Institute of Professional Studies.
The perennial zeal of the Department has never left the achievements stagnant.

The Department not only gives students the exposure to the regular engineering curriculum but also to the aspirations of today's corporate world, thus inculcating a professional aptitude in them. The dedication of the faculty members has strengthened the learning process ensuring an environment of collaboration, experimentation, imagination, and creativity. It is such a prodigious delight in watching the students cutting edge in technical exploration, enhancing their analytical skills and brushing themselves up for the rapidly changing sector, and establishing themselves as entrepreneurs and engineers. The Department has always reached new heights and I am looking forward to more wonders and achievements. I wish the very best to the Department of ECE for the launch of the LECTRON, the official technical magazine of the Department. The magazine beautifully provides an overview of academic programs, research activities, various laboratories, training and the other fields explored by our faculty members and students.

Mrs. Alka Das Gupta

FROM THE PRESIDENT

BBD GROUP OF EDUCATION

I am extremely happy to witness the shaping up of the next volume of LECTRON. A special mention to the Editorial Board, who were able to capture the noteworthy proceedings of the ECE Department of Dr. Akhilesh Das Gupta Institute of Professional Studies and were also able to present it in an alluring manner. I thoroughly enjoyed myself going through the pages of this technical magazine. This issue of the technical magazine is an insight to what campus life truly means, the surfeit events together represent the opportunities that one can take and augment their personalities up to the brim and be glorious predominantly. I hope students and faculty members find this Edition as sound as I did. I congratulate the Department and the Editorial Board for this achievement.

Mr. Viraj SagarDas Gupta

FROM THE DIRECTOR

A child's psychology is the most difficult to understand. We at Dr. Akhilesh Das Gupta Institute of Professional Studies believe in imparting quality education to the students at a level where they can easily retain the knowledge and clear their basics to the pinnacle.

Our staff members have been incessantly redefining the standard of erudition in a manner through which the students are equipped to face the challenges of future with their technical proficiency and scientific knowledge. The institution is highly esteemed with reference to its innovative endeavours, keen involvement and exceptional merit. I am proud to be a part of an institution that believes in putting the education of the students beyond everything. Igniting the youth with knowledge, life skills and ethics, we develop the students into confident, persuasive and practically insightful individuals. We encourage and imbibe them the lessons of self-reliance and discipline by letting them to take up multiple roles in different aspects of life. I extend my heartfelt congratulations to ADGITM, Delhi for being successful in producing strong individuals who believe in scripting stories of success with their unfailing resoluteness and indomitable will power.

Prof. (Dr.)Niranjan Bhattacharyya

FROM THE
ECE DEPARTMENT

ADGIPS, NEW DELHI

The Department of Electronics and Communication Engineering is committed to render-quality and professional pedagogy to pioneering engineers. The ECE department provides opportunity for the students to learn and fulfill the industry demands of Communication Engineering. The Department has state of ail equipment, in various laboratories which is necessary to blend the theoretical & practical aspects of engineering. The Department offers Under-Graduate program in Bachelors of Technology. The Department has faculty members having expertise in wide variety of fields in Electronics & Communication. The department has a strong industry institution interaction.

LECTRON

CONGRATULATIONS

ECE DEPARTMENT
FOR THE EXTENSION OF

LECTRON

INDUSTRIAL INTERACTION

Talk on

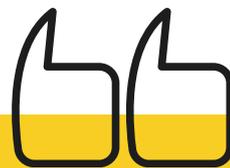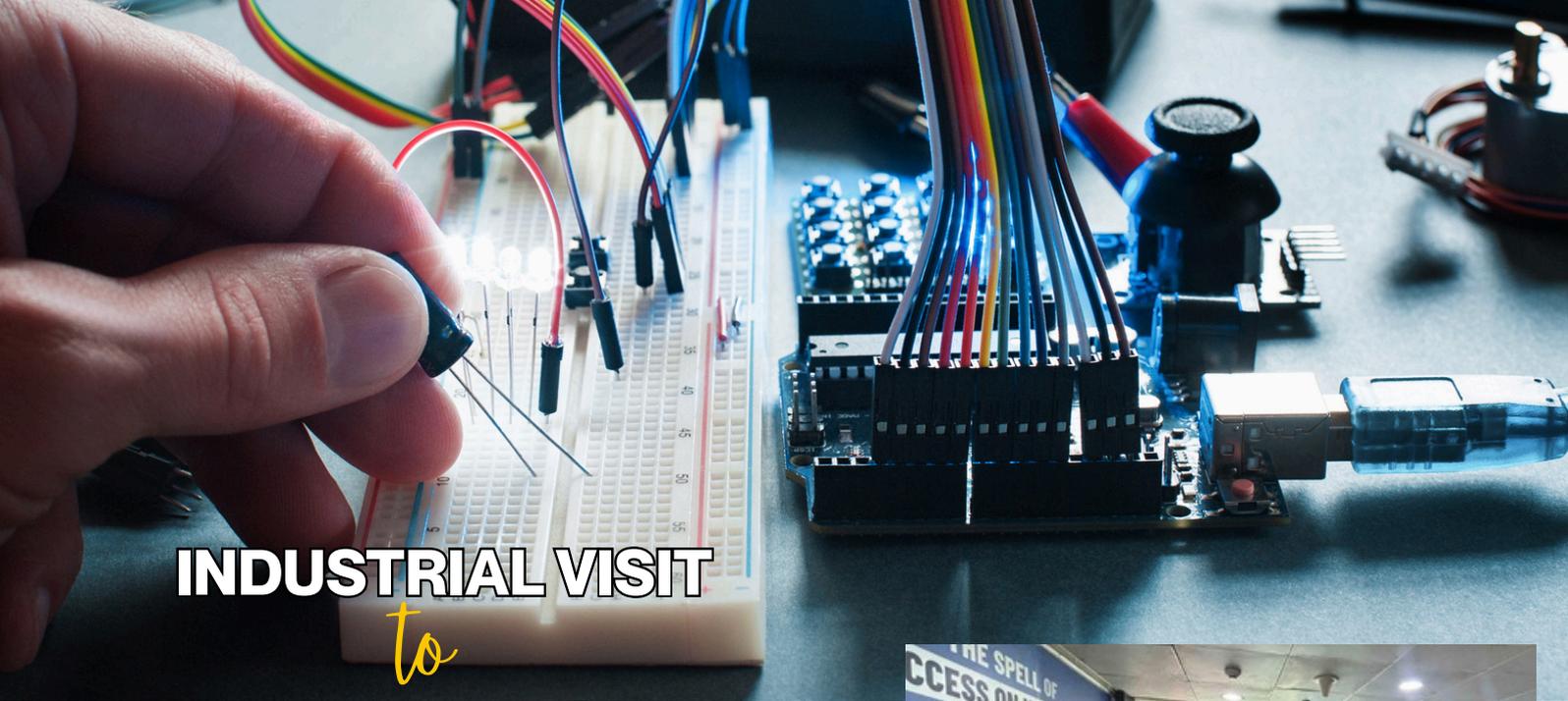## HOW TO CRACK INTERVIEWS OF TOP PRODUCT BASED COMPANIES

ECE Department of ADGIPS, Delhi had organized an industrial talk by Mr. Tarun Mehta from Crackcode, on the topic "How to crack Interviews of Top Product Based Companies" on 2nd Sep, 2024.

The aim of this workshop is to bridge the gap between student's learnings and industrial requirements. Students learn how to build and prepare themselves for industrial life and learn about the problems they will face in their day to day life at work. They got the roadmap to follow for betterment of their future.

Also they gained the knowledge of do's and don'ts that must be followed by students, 3 Key pillars required in industrial life. Skills and qualities that will help them bridge the gap between their lives and industrial requirements. Over 200 students have participated in the event.
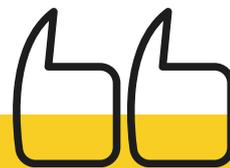
INDUSTRIAL VISIT
to

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING STUDENTS TO TRAINING BASKET, NOIDA.

Inspire and motivate students by showcasing successful training programs and the impact they have on skill development.

1. Provide students the in-depth corporate knowledge of the technology.

2. Gives the students a change to apply into actual practice the fundamentals that they learned in their curriculum.

3. A taste of working life for students who do not have a work experience. Helps student in deciding the kind of specialization they want to pursue.

4. Students can see how theoretical knowledge is translated into practical training programs and modules.

OBJECTIVE

To provide students with the exposure of latest technologies in the relevant field like - Data Science, Python, Machine Learning etc.

The visit included a range of activities aimed at deepening students' understanding of the academy's programs, facilities, and overall learning environment.

SMART CLASS ROOM
ECE department

ALUMNI TALK
BY
MR. HARDIK

DR. AKHILESH DAS GUPTA
INSTITUTE OF PROFESSIONAL STUDIES
(FORMERLY ADGITM)
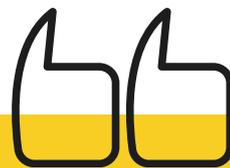DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

BBD

ALUMNI TALK

🔊 Hardik
2018-2022 Batch
42915602818
ECE
Working as DevRel in
Spheron Network

SEP. 20, 2024
11.45 AM

ECE Department   NBA

#ShapingGeneration

> Mr. Hardik, alumni student of ECE department was invited to give talk to students of ECE department on 20th September, 2024. He expressed his knowledge of Move which is the native programming language of Aptos which would provide the students some good internship sources.
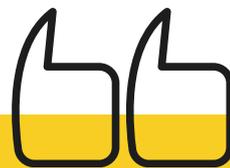
BHARAT MANDAPAM,
Delhi

ITU KALEIDOSCOPE CONFERENCE 2024

NEWSLETTER | SEP-DEC 2024

The Electronics and Communication Engineering (ECE) department of ADGIPS participated in the International Telecommunication Union (ITU) Kaleidoscope Academic Conference 2024, held from October 21 to 23, 2024, at Bharat Mandapam, New Delhi. This event coincided with the World Telecommunication Standardization Assembly (WTSA-24), a prestigious gathering of global leaders in telecommunications that occurs every four years. The theme of this year's conference, "Innovation and Digital Transformation for a Sustainable World," underscored the importance of leveraging technology for positive societal impact.

OBJECTIVE

Motivating students and faculty members of the department of ECE to engage with cutting-edge discussions on technology and sustainability by interacting with global leaders in telecommunications and to increase the dialogue between experts working on the standardization of InformationCommunication Technologies

ARTIFICIAL INTELLIGENCE
for

ENGINEERING APPLICATIONS, NITTTR CHANDIGARH

NEWSLETTER | SEP-DEC 2024

Participation Details: Event Dates: 4th November – 8th November 2024 Timings: Session 1: 10:00 AM to 11:30 AM Session 2: 11:30 AM to 1:00 PM Session 3: 3:00 PM to 4:30 PM There were 32 participants comprising of faculty members and Lab Technicians.

OBJECTIVE

1. To help the participants learn how to implement AI algorithms in real world scenarios.

2. To provide a common platform to participants to interact with the industry professionals and enhance their knowledge pertaining to Artificial Intelligence.

WORKSHOP
On

COMPUTER VISION AND CAREER OPTIONS

JAN - APRIL 2025

The Department of Electronics and Communication Engineering conducted a workshop focused on ComputerVision and its career prospects. The session introduced students to the fundamentals of this AI domain, with emphasis on its relevance in the industry. Participants explored how ComputerVision is transforming sectors through applications like image recognition, object detection, and realtime video analysis

"

OBJECTIVE

Students were introduced to core concepts like Convolutional Neural Networks (CNNs), YOLO, and Python libraries such as OpenCV and PyTorch. Live demos on Google Colab showcased how to implement real-world Computer Vision tasks, sparking interest in AIbased programming.
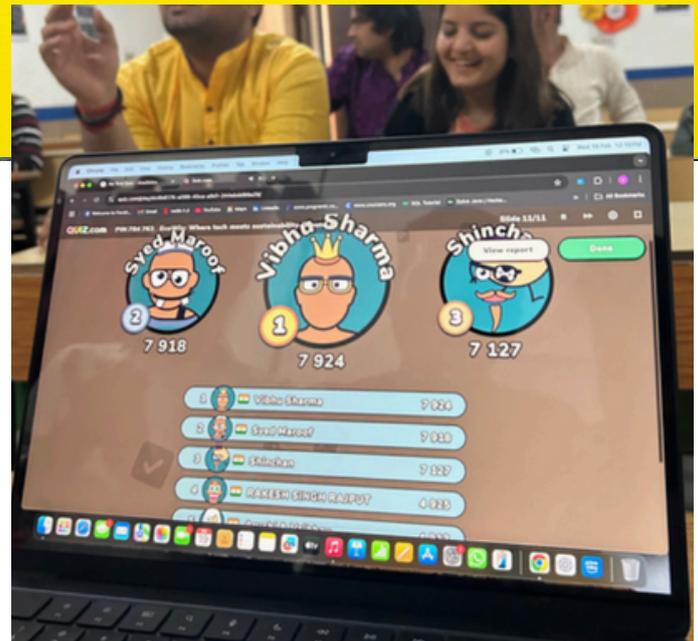
ECOWIZ QUIZ
bridging

TECHNOLOGY AND SUSTAINABILITY

JAN - APRIL 2025

The EcoWiz Quiz, organized by Assistant Professor Ishita Arora in collaboration with Ecotech and the ECE Department, aimed to engage students in the themes of sustainability, e-waste management, and green technology. Designed as an interactive and competitive quiz, the event combined environmental education with technical awareness, inspiring participants to think critically about eco-friendly innovations in the electronics sector.

OBJECTIVE

A COMPETITIVE AND COLLABORATIVE LEARNING EXPERIENCE

TREASURE *hunt*

"CATCH THE CLUE"

JAN - APRIL 2025

As part of UTKARSH 2025, the ECE Department hosted Catch the Clue, an event designed to blend physical activity with mental challenge. With over 50 participants, the event kicked off with a thrilling team-based treasure hunt, where students solved clues spread across the venue, sharpening their collaboration and problemsolving skills in real time

OBJECTIVE

After decoding the final clue, participants transitioned to an online quiz that tested their logical reasoning and decision-making under pressure. The seamless two-level structure— physical and digital—not only maintained energy but also encouraged both teamwork and individual performance. Positive feedback highlighted its fun, challenging format and its role in improving quick thinking and communication
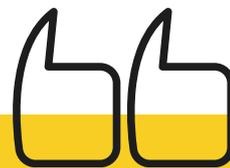
DUO SUBWAY SURFERS
setu b/w
GAMING & TEAMWORK

JAN - APRIL 2025

Over 30 students participated in the Duo Subway Surfers event, forming pairs to compete in a series of gameplay rounds where their coordination, reflexes, and communication were put to the test. Without any time limits, the game continued until a player collided with an obstacle or was caught, pushing teams to beat high scores and outperform others in successive knockoutstyle rounds. This format encouraged strategic thinking and constant engagement. Beyond the fun, the event offered real educational value. Participants gained exposure to the technical aspects of interactive gaming— such as game mechanics, user interface design, and hardware integration. Working with motion sensors and external controllers gave students a practical understanding of how electronics can enhance user experience. The event also promoted soft skills like collaboration, leadership, and performance under pressure

OBJECTIVE

As part of UTKARSH 2025, the Department of Electronics and Communication Engineering organized Duo Subway Surfers, an interactive event that blended fun gameplay with learning. Held near the canteen area, the event featured student duos competing in a desktop version of the popular game, controlled using external hardware like buttons and motion sensors. This setup offered participants a chance to understand the practical applications of gaming technology while enjoying a high-energy challeng
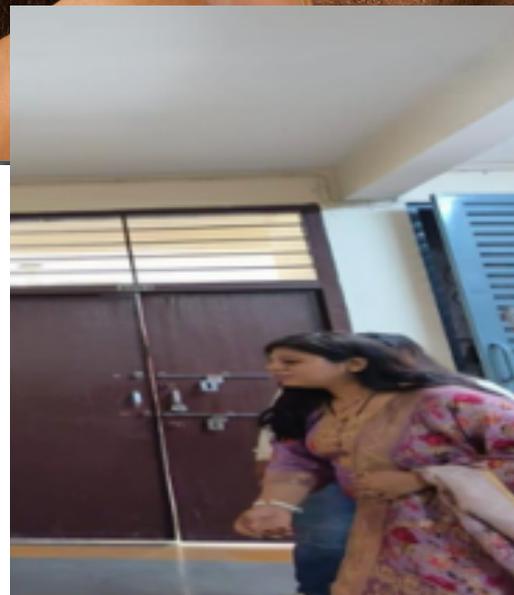
THE SHERLOCK QUEST
cracking

CLUES & BUILDING CAREERS

JAN - APRIL 2025

Participants were guided through the essential do's and don'ts of workplace behavior and were introduced to the three key pillars of industrial success: discipline, skill-building, and adaptability. The event helped students understand how to align their academic growth with real-world industry expectations, fostering critical professional skills such as effective communication, collaboration, and a proactive attitude. It offered a clear and actionable roadmap for self-improvement, encouraging students to prepare themselves for future challenges and thrive in a competitive professional environment.

OBJECTIVE

The Department of Electronics and Communication Engineering organized The Sherlock Quest, a unique and interactive event conducted by Ms. Rohini Sharma. Designed to simulate a mysterysolving experience, the session blended fun with learning, aiming to enhance students' quiz-solving abilities and overall cognitive skills. With participation from over 200 enthusiastic students, the event created an intellectually stimulating atmosphere that encouraged active involvement.

WORKSHOP
at
MICROSOFT, NOIDA
(KP TOWERS)

MAY - AUGUST 2025

The benefits of this workshop can be summarized as follows:

1. Gained first-hand exposure to AI and LLMs, two of the most in-demand technologies globally.
2. Enhanced understanding of industry trends and skill requirements in both Indian and international markets.
3. Opportunities to network and interact with experts from Microsoft and Hackwith India.
4. Clarity on diverse career paths, including options in Gates and foreign industries.
5. Motivation to pursue specialized fields and adopt global standards in technical learning.
6. Improved awareness of how classroom knowledge can be applied in realworld industrial scenarios.

OBJECTIVE

To provide students with exposure to the latest advancements and opportunities in the field of technology, specifically in areas such as Artificial Intelligence, Large Language Models (LLMs), career opportunities in Gates, foreign industries, and related domains.

101 STUDENTS PLACED *at*

REPUTATED MNCs

INCLUDING

Infosys®

(20+ placements)

cognizant

POLYCAB

KEYENCE

EXPRESS ROADWAYS PVT. LTD.

EduStation

Wayspire
AIM|COMMIT|REACH

& more

ACADEMIC EXCELLENCE
from

ADGITM

🥇 **GOLD MEDALIST**
MR. YASH SINGH - ECE

Congratulations on
Completion of 🎓 **PhD**

DR. HARSH KUMAR