

TECHNOPEDIA

A Quarterly Newsletter
Department of Computer Science & Engineering
Echelon Institute of Technology, Faridabad

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JULY-SEPTEMBER 2024



ECHELON INSTITUTE OF TECHNOLOGY,
FARIDABAD

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VISION AND MISSION OF THE INSTITUTE

VISION

"Technical and Management leaders engaged in the evolution of life, being at the frontiers of the continuous technological and administrative breakthroughs, inspired by ongoing exploration of self, society, and nature through self-reflective consciousness by building a culture of inspiration, exploration and growth."

MISSION

M-1 Having a culture of inspiration, exploration, and invention through effective, experiential teaching-learning giving rise to ever-evolving knowledge and wisdom.

M-2 To have self-inspired students ever engaged in continually working upon and sharpening and deepening computational, creative, innovative, and leadership consciousness.

M-3 Having students established in self-reflective consciousness, committed to personal, social & human integrity, and engaged in deep inquiry and conversation, giving rise to shared, inter-subjective human values and consciousness.

VISION STATEMENT OF THE DEPARTMENT

VISION

To develop competent computer professionals who solve real-world problems through continuous learning and adaptive to rapid changes in computer science and engineering with ethical, social, and managerial capabilities.

MISSION

M1: - To produce industry-ready professionals for successful careers in computer science and related domains.

M2: - To provide exposure to cutting-edge computational tools in the field of computer science and engineering.

M3: - To create competent and ethical computer professionals through quality education, innovative research, and exposure to entrepreneurship.

Student Speaks

From the moment I stepped onto Echelon's campus, I felt an atmosphere that nurtured ambition and excellence. The state-of-the-art infrastructure, with modern classrooms and cutting-edge technology, made learning dynamic and immersive. The library, a sanctuary of knowledge, was more than just books—it was a space for exploration, inspiration, and discovery.

Beyond academics, what truly set Echelon apart was its vibrant community. Professors weren't just educators; they were mentors, guiding us with dedication and insight. The campus thrived with opportunities thought-provoking seminars, exhilarating competitions, and diverse student clubs—all shaping a journey of self-discovery and lifelong friendships.

Echelon was more than just a college; it was the foundation of my future. A place where learning, growth, and memories intertwined, leaving an indelible mark on my life.

– Ankit (22-CSE-009)

This is the First issue of “THE TECHNOPEdia” of the academic year 2024- 2025. Here, I would like to encourage all the students to participate in co-curricular activities.

Suman Chandila

(Assistant professor, CSE Department)

Latest Trends in Computer Science

Advancements in Generative AI



Generative AI continued to evolve, with applications expanding across various sectors. AI systems demonstrated capabilities in outperforming human physicians, video generation, weather forecasting, and coding. Researchers also utilized AI to design new proteins for gene editing, pushing the boundaries of synthetic biology.

Evolution of Tech Employment Landscape



The tech job market underwent notable changes during this time. James O'Brien, a computer science professor at UC Berkeley, observed a shrinking job market for tech graduates. Traditionally, graduates enjoyed multiple job offers, but now struggle due to industry changes. Positions requiring less programming expertise are diminishing as companies use programming assistants and outsource tasks to AI. While specializations like AI and data science remain in demand, O'Brien worries this may not sustain. He highlights that tech graduates, even from top schools like Berkeley, face fewer job opportunities.

Highlights

- ❖ Carrer Cum Mega Job Fair 2024
- ❖ CISCO Virtual Internship Program (Enabling Skillsets of the Future)
- ❖ Summer Training on Core Python and Advanced Python

- ❖ Faculty Orientation Program
- ❖ Open Source Club

- ❖ A Workshop on NIRF (National Institutional Ranking Framework)

- ❖ Hands on Training on Microsoft Office

- ❖ Interaction of new HOD CSE with faculties

- ❖ Research Publications By Students

- ❖ World Wide Web

- ❖ NITD Workshop

- ❖ Workshop on Cyber Security by CISCO

- ❖ Anti-Ragging Week Celebration

- ❖ Thanksgiving Celebrations

- ❖ Orientation day
- ❖ Nasha Mukti Bharat Abhiyan: A Pledge for a Drug-Free Future

- ❖ Tiranga Yatra

- ❖ Disha Utsav
- ❖ Mega Career Counseling and Screening Test

- ❖ Mock Interviews on Jashna

- ❖ Introduction to Microsoft , IBM and robotics club

- ❖ Industrial visit at Barclays

- ❖ Infosys Training Program

- ❖ Flip Classes by Students
- ❖ Internal Hackathon For SIH 2024
- ❖ College Ke Tashanbaaz:
- ❖ Workshop on Communication Skills & Job Readiness:
- ❖ HAPPY ENGINEER'S DAY
- ❖ Digital Wellness Workshop
- ❖ Completion Certificate of MongoDB Course
- ❖ Industrial Visit at Code Squadz

Message from the Editor

Innovation's heartbeat is in Technopedia's latest pulse. This season, we delve into the fertile fields of creativity, where imagination breeds like rabbits and spawns groundbreaking advancements. We'll equip you with the knowledge and inspiration to navigate the frontiers of technology, ensuring you stay ahead of the curve.

The Career Cum Mega Job Fair 2024

The Career Cum Mega Job Fair 2024 is set to be an unparalleled event, bringing together top-tier companies and recruiters from various industries. Scheduled for 26th July, this fair offers students an excellent platform to explore diverse career paths, attend interviews, and network with industry professionals. Prepare your resumes and elevator pitches, and get ready to make lasting impressions.



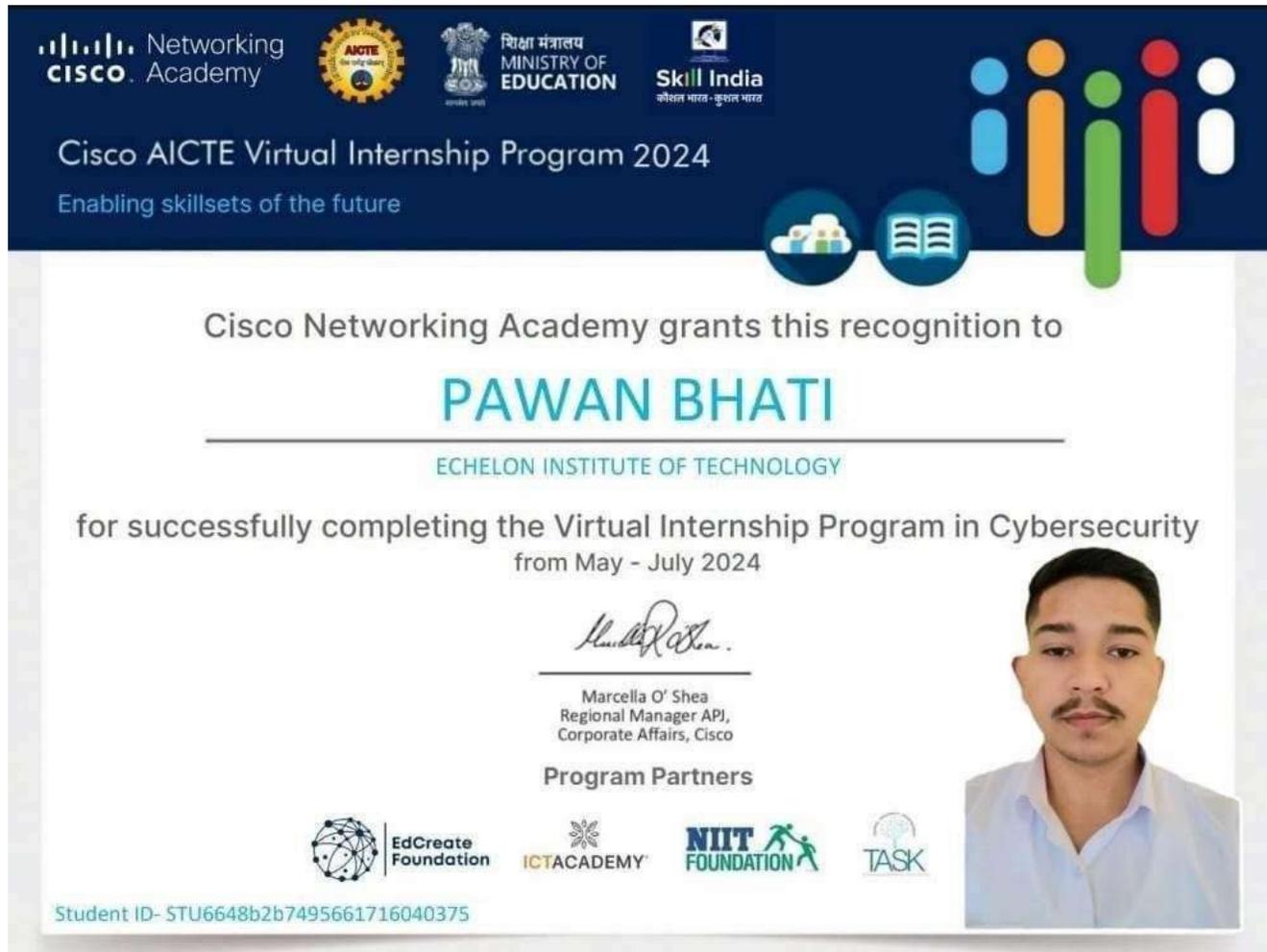
Activities in the Department

Virtual CISCO Internship Program:

Cisco, a global leader in IT and networking, offers an exciting opportunity through its Virtual Internship Program, designed for students eager to gain practical experience in a dynamic environment.

The Cisco Virtual Internship Program provides students with hands-on experience in various aspects of technology, including networking, security, software development, and data analytics. Interns engage in real-world projects, collaborating with industry experts while developing essential skills that prepare them for a successful career in tech.

On July 10, 2024, our college hosted an engaging seminar on the Cisco Virtual Internship Program. The event attracted a diverse group of students eager to learn about the opportunities Cisco offers and how to leverage them for career advancement.

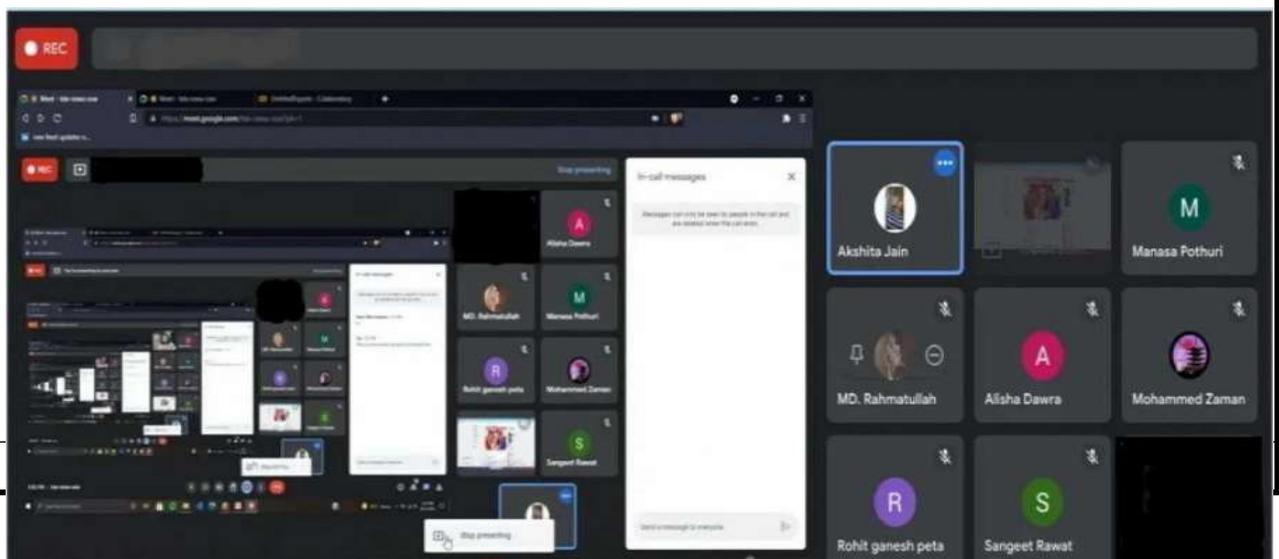


The image shows a certificate from Cisco Networking Academy. At the top, it features logos for Cisco Networking Academy, AICTE, the Ministry of Education, and Skill India. The text reads: "Cisco AICTE Virtual Internship Program 2024" and "Enabling skillsets of the future". The main body of the certificate states: "Cisco Networking Academy grants this recognition to **PAWAN BHATI** ECHELON INSTITUTE OF TECHNOLOGY for successfully completing the Virtual Internship Program in Cybersecurity from May - July 2024". It includes a signature of Marcella O' Shea, Regional Manager APJ, Corporate Affairs, Cisco, and a portrait of Pawan Bhati. At the bottom, it lists "Program Partners" as EdCreate Foundation, ICTACADEMY, NIIT FOUNDATION, and TASK. The student ID is STU6648b2b7495661716040375.

Summer Training Program: Core Python Training

From July 1 to July 12, 2024, Echelon Institute of Technology, Faridabad, hosted an online Summer Training Program on Core Python, led by experienced software developer Mr. Rahul Tiwari. The program, running daily from 2:00 PM to 5:00 PM, was attended by students from B.Tech (3rd, 5th and 7th Semesters) and BCA (3rd and 5th Semesters). The training covered fundamental Python topics, including data types, control structures, functions, modules, file handling, error management, and object-oriented programming.

Participants praised Mr. Tiwari's ability to simplify complex concepts and appreciated the well-paced, interactive online format. The hands-on exercises reinforced learning, and feedback highlighted increased confidence in using Python for academic and professional purposes. Overall, the program successfully equipped students with a solid foundation in Python programming, enhancing their skills for future development and career opportunities.



Faculty Orientation Program

On July 27, 2024, Echelon Institute of Technology (EIT) hosted a significant Faculty Orientation Program in the Seminar Hall, designed to warmly welcome and integrate new faculty members into the institution. The event provided a comprehensive introduction to EIT's culture, academic policies, and teaching methodologies. The Director of EIT delivered an inspiring overview of the institution's mission, vision, and values, highlighting the crucial role of faculty in shaping student success and enhancing the institute's reputation.



The orientation included detailed sessions on various essential aspects of faculty life at EIT. HR representative outlined the institution's policies on faculty welfare, emphasizing professional development opportunities and a balanced work-life experience. Dr. Irfanullah provided an in-depth look at the academic year planning, including important dates and examination schedules, underscoring the necessity of timely syllabus completion and ongoing student assessment. The HOD of CSE shared effective teaching strategies and classroom management techniques.

Coordinated by Dr. Stuti Saxena and Ms. Ankita Laal, the program was highly successful, offering valuable insights and fostering an engaging **environment** for all participants. Key takeaways included the importance of adhering to institutional policies, completing syllabi on schedule, maintaining classroom discipline, and pursuing professional development and research activities. With these insights, our new faculty members are well-prepared to make significant contributions to EIT's academic community.

Hands-On Training on Microsoft Office

From July 8 to July 13, 2024, a hands-on training program on Microsoft Office was conducted by Mr. Manish Kumar, targeting students from various programs to enhance their technical and professional skills. The workshop began with an overview of its objectives, highlighting the importance of continuous learning and professional development in today's fast-evolving tech landscape.

The interactive sessions allowed students to engage directly with Mr. Kumar, discussing relevant topics and participating in practical activities to apply their knowledge in real-world scenarios. Additionally, Mr. Kumar provided valuable career guidance, offering insights into various career opportunities and motivating students to explore diverse career paths and prepare for future challenges.

An Initiative by "The Last Centre"
ECHELON
TRANSFORMING THE EDUCATION

18 YEARS OF EXCELLENCE

YouTube, WhatsApp, Facebook, Instagram

ECHELON INSTITUTE OF TECHNOLOGY
IS ORGANISING
HANDS ON TRAINING ON
MICROSOFT OFFICE
For students admitted in 2024-25

Trainer:
Mr. Manish Kumar
Microsoft Office Expert

Institute Level Activity

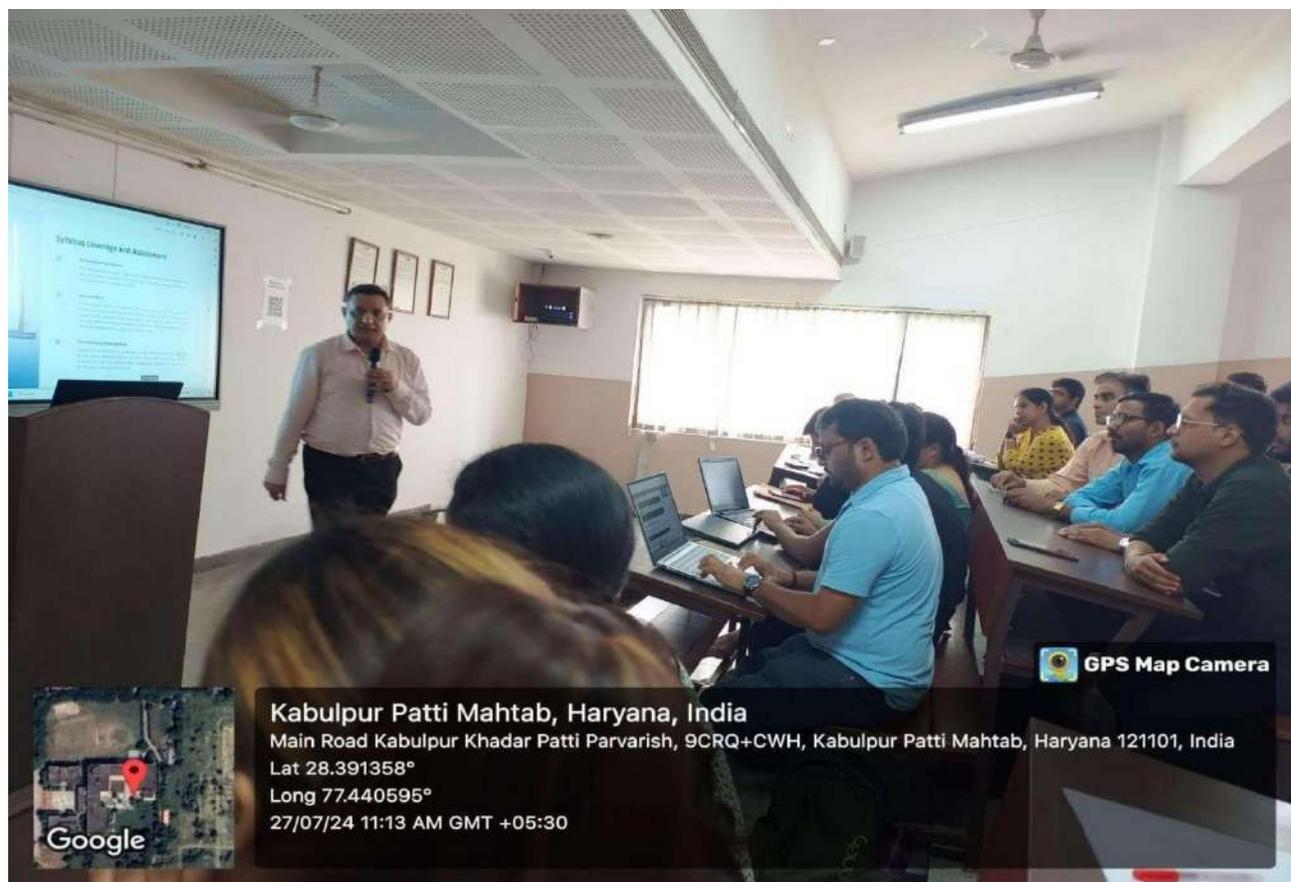
Workshop on NIRF(National Institutional Ranking Framework)

Our college conducted an informative workshop on the National Institutional Ranking Framework (NIRF), aimed at faculty, administrators, and students interested in understanding how to enhance our institution's ranking and overall quality. The session kicked off with an overview of the NIRF, explaining its purpose in assessing higher education institutions in India based on various performance metrics.



Interaction of New CSE HOD with Faculty

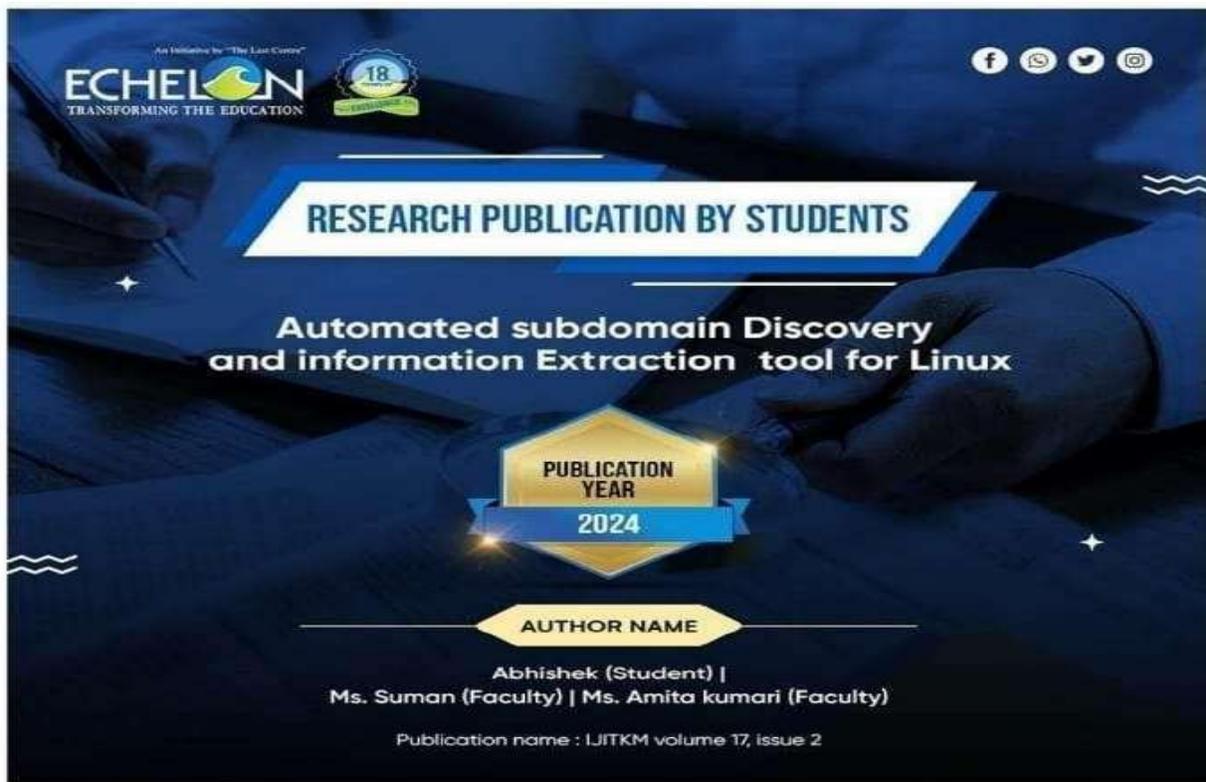
In July 2024, the Department of Computer Science and Engineering (CSE) welcomed a new chapter in its leadership as the newly appointed Head of the Department (HOD) held an insightful and engaging interaction session with the faculty. The meeting was held with the intent of aligning the department's vision, fostering collaboration, and setting new academic and research goals.



Research Publication by Students (Automated Subdomain Discovery and Information Extraction Tool for Linux):

The Department of Computer Science and Engineering is thrilled to announce the recent publication of a significant research paper titled "Automated Subdomain Discovery and Information Extraction Tool for Linux", authored by Abhishek. This cutting-edge research focuses on cybersecurity, specifically in the areas of ethical hacking, vulnerability assessment, and reconnaissance tools.

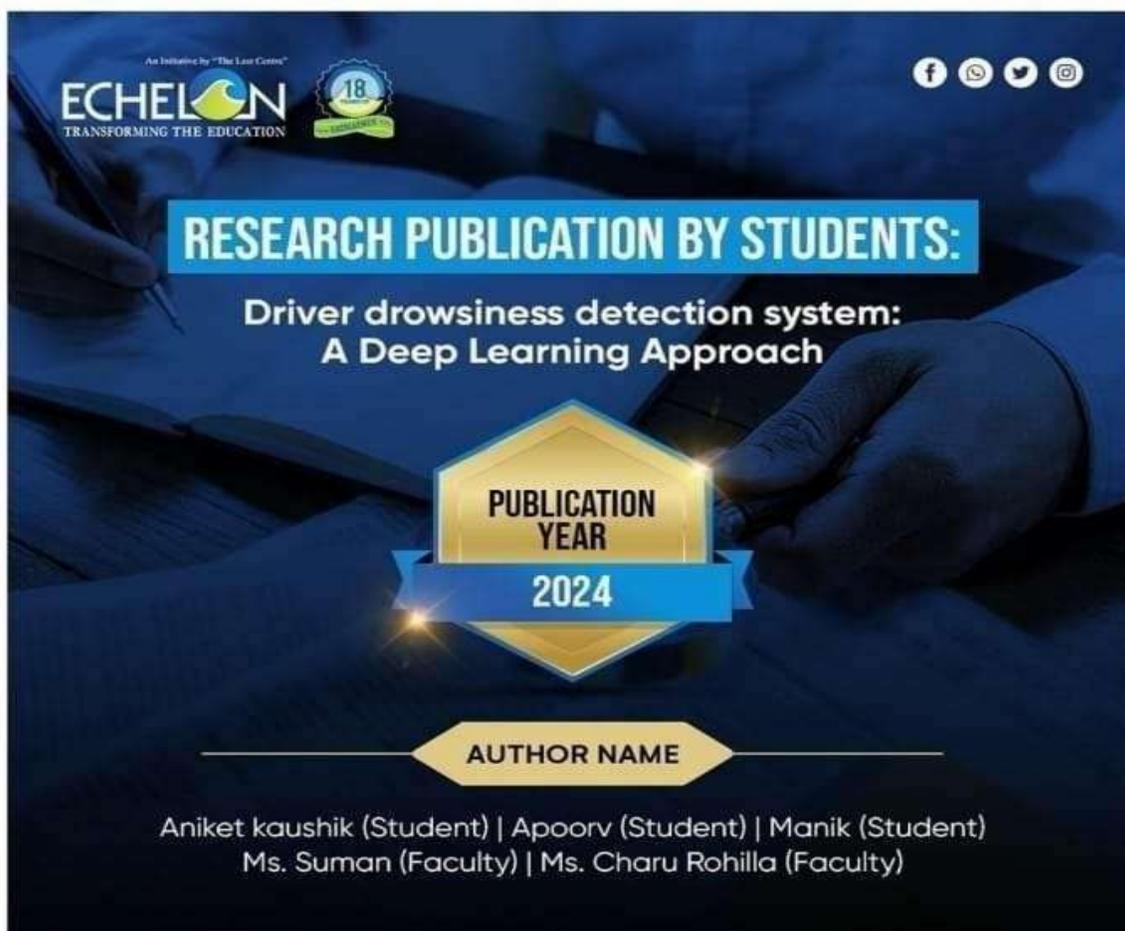
The Automated Subdomain Discovery and Information Extraction Tool for Linux is a significant contribution to the field of cybersecurity, addressing the need for efficient, scalable, and reliable tools for subdomain discovery. The research and development of this tool reflect the students' dedication to solving complex security challenges in an evolving digital landscape.



Research Publication (Driver Drowsiness Detection System):

The Department of Computer Science and Engineering proudly announces the recent publication of a research paper titled "**Driver Drowsiness Detection System**", authored by Aniket Kaushik, Apoorv, and Manik. This groundbreaking research tackles a critical issue in road safety by developing a real-time system that detects signs of drowsiness in drivers and takes preventative measures to avoid accidents.

Drowsy driving is one of the leading causes of traffic accidents worldwide, and early detection of driver fatigue is crucial in preventing such incidents. The **Driver Drowsiness Detection System** developed in this research focuses on utilizing computer vision and machine learning techniques to monitor the driver's state and alert them when signs of drowsiness are detected.



Research Publication (Streamlining Trading practice for India)

The Department of CSE is excited to announce the recent publication of an insightful research paper titled "Streamlining Trading Practices for India: A Comprehensive Project Analysis", authored by Abhishek Sharma. The research focuses on enhancing and modernizing trading practices within India's financial markets to improve efficiency, reduce transaction costs, and foster better market transparency.

India, one of the fastest-growing economies, has a dynamic and evolving trading landscape. However, challenges such as complex regulations, outdated practices, and inefficient settlement processes hinder smooth and transparent trading activities. The Streamlining Trading Practices for India project aims to address these challenges by analyzing current trading practices and proposing a comprehensive set of reforms and technological interventions.



World wide Web Day

Since its launch in the early 1990s, the World Wide Web, also known as the web, has revolutionised the way we access and share information. Through hyperlinks, users can traverse interconnected documents and resources on the web, which Tim Berners-Lee developed. This ground-breaking platform has made a multitude of knowledge easily accessible, overcoming barriers related to location and culture.

These days, the internet is an essential tool for social interaction, business, and education that promotes international communication and cooperation. It has developed into a massive ecosystem that supports everything from social networking to e-commerce, with billions of users and websites worldwide.

But as the internet grows, problems like cybersecurity, online privacy, and digital literacy have surfaced, emphasizing the importance of careful use.



NITD Workshop

NetcoreInfo Institute of Technology recently conducted a comprehensive training session for final-year students pursuing B.Tech (CSE), BCA, BBA, and MCA at Echelon Institute of Technology. Led by seasoned trainer Roshan Pandey, the session aimed to bridge the gap between academic learning and industry expectations.

The workshop covered essential topics like emerging technologies, project management, and career development strategies. Roshan Pandey's expertise provided students with valuable insights into the latest industry trends and best practices, preparing them for the professional world.

Students actively engaged in hands-on activities, gaining practical knowledge that will be crucial in their future careers. The session was well-received, with participants appreciating the opportunity to enhance their skills and readiness for the job market.



Workshop on Cyber Security by CISCO

On August 8, 2024, CISCO held a specialized training session on cybersecurity for students of B.Tech (CSE), BCA, MCA, BBA, and MBA at Echelon Institute of Technology. The session was conducted by expert trainer Kartik Bhardwaj, who brought extensive industry experience to the classroom. The training focused on critical aspects of cybersecurity, including threat detection, risk management, and the latest security protocols. Kartik Bhardwaj guided students through real-world scenarios, equipping them with practical skills to protect digital assets in an increasingly connected world.

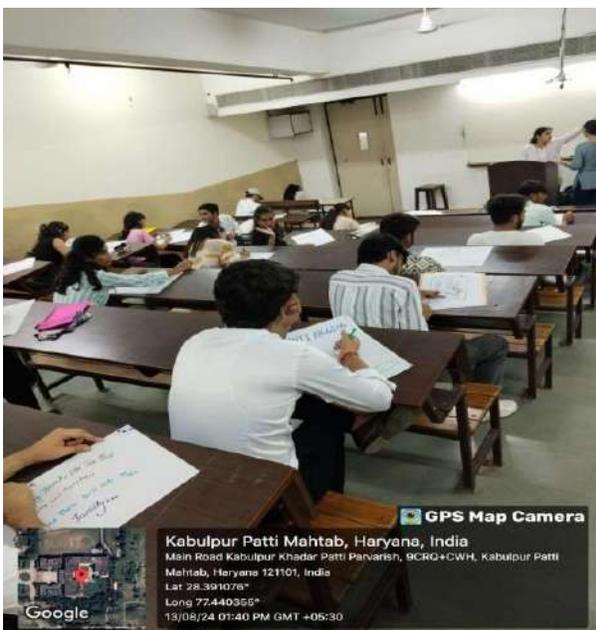
Students found the session highly informative, gaining a deeper understanding of the cybersecurity challenges faced by businesses today. The hands-on approach and interactive discussions helped them build a strong foundation in cybersecurity, making them better prepared for future roles in the tech industry.

The poster features the Echelon Institute of Technology logo at the top left, with the tagline 'An Initiative by "The Last Center"'. To the right of the logo is a circular badge with the number '18'. In the top right corner, there are social media icons for Facebook, Instagram, Twitter, and YouTube. The main title 'ORIENTATION cum' is in large, bold, yellow-green letters. Below it, 'WORKSHOP ON CYBER SECURITY BY CISCO' is written in white. A yellow box highlights 'For B.Tech CSE (11 AM to 01 PM)'. A circular profile picture of Kartik Bhardwaj is shown next to his name and title: 'KARTIK BHARDWAJ, CISCO-Technical Instructor, NIIT Foundation'. At the bottom, two rounded rectangular boxes contain the date 'August 8, 2024' and the location 'Seminar Hall Admin Block'. The bottom of the poster lists the 'FACULTY COORDINATOR' as 'MS. SUNITA | MR. RAVI KUMAR' and the 'TRAINING COORDINATOR' as 'DR. STUTI SAXENA'.

Anti-Ragging Week Celebration

From August 12 to 18, 2024, Echelon Institute of Technology observed Anti-Ragging Week with a vibrant series of competitions and activities aimed at promoting a safe and inclusive campus. The week featured various creative competitions, including poster making, essay writing, rangoli designing, logo creation, slogan writing, and a skit competition. These events provided students with an opportunity to express their views on the importance of a ragging-free environment through art, literature, and performance. The competitions fostered a spirit of creativity and unity, highlighting the institute's commitment to maintaining a respectful and supportive community.

The week concluded with an awards ceremony where winners were recognized for their contributions, reinforcing the message that every student plays a vital role in upholding the values of respect and kindness on campus.

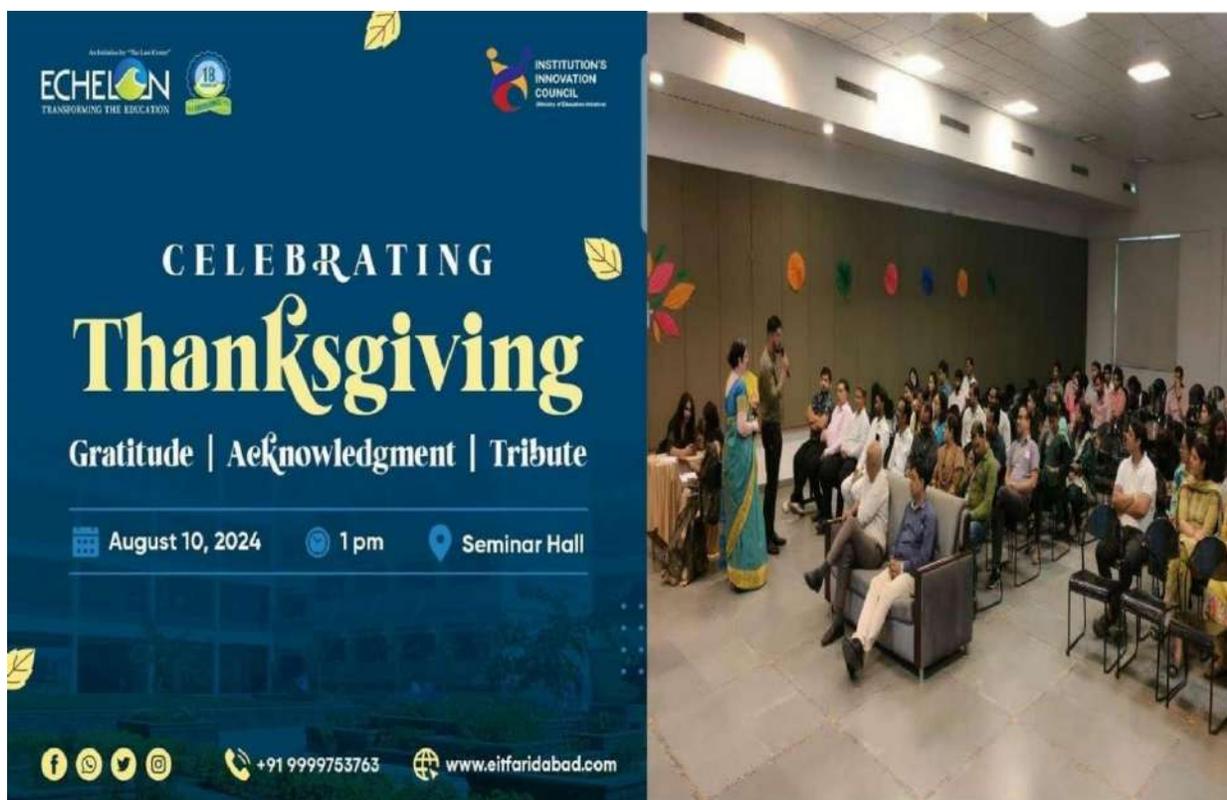


Thanksgiving Celebrations

On August 10, 2024, Echelon Institute of Technology celebrated Thanksgiving with a day filled with gratitude and community spirit. The event brought together students, faculty, and staff to express appreciation for the support and camaraderie that define the campus environment.

The celebration included a thanksgiving ceremony where participants shared heartfelt messages of gratitude and reflected on the year's achievements. The institute also organized a communal meal, fostering a sense of togetherness among attendees.

Various cultural performances, including music and dance, added to the festive atmosphere, making the day memorable for everyone involved. The Thanksgiving celebration at Echelon Institute was a beautiful reminder of the importance of gratitude and the bonds that unite the campus community.



Orientation day

On August 24, 2024, Echelon Institute of Technology welcomed its new batch of students with a vibrant Orientation Day. The event was designed to introduce incoming students to campus life, academic programs, and the institute's core values.

The day began with a warm welcome address by the faculty, followed by an informative session on the various facilities and resources available to students. Interactive workshops and campus tours helped the newcomers get acquainted with their new environment and build connections with their peers.

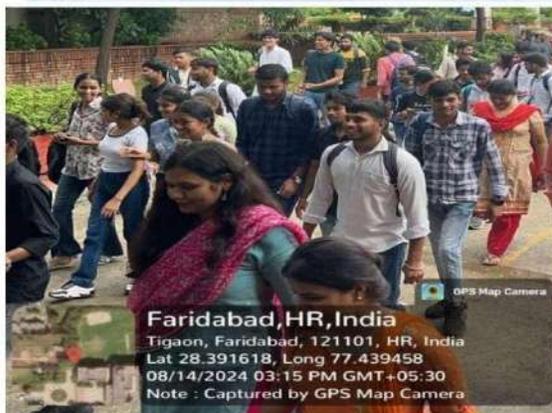
Current students and alumni shared their experiences, offering valuable insights and tips for succeeding both academically and socially. The Orientation Day at Echelon Institute was a great start to the academic year, setting a positive tone for the journey ahead.



Tiranga Yatra at Echelon Institute of Technology

On August 15, 2024, Echelon Institute of Technology celebrated Independence Day with a spirited Tiranga Yatra, a march honoring the Indian tricolor and the nation's freedom. Students, faculty, and staff came together, proudly waving the national flag and marching through the campus in a vibrant display of patriotism. The event began with a flag-hoisting ceremony, followed by the Tiranga Yatra, where participants chanted patriotic slogans and sang national songs, rekindling the spirit of unity and national pride. The atmosphere was charged with enthusiasm as the entire institute united in this tribute to the nation.

The Tiranga Yatra not only commemorated India's independence but also served as a reminder of the responsibilities that come with freedom. The event at Echelon Institute was a heartfelt celebration of India's rich heritage and a reaffirmation of the commitment to contribute positively to the nation's future.



DEEKSHA UTSAV

On August 21, 2024, Echelon Institute of Technology hosted Deeksha Utsav a ceremonial event to welcome and induct new students into the academic community. The celebration was marked by the grand arrival of the Honorable Governor of Haryana, Shri Bandaru Dattatreya, who was warmly welcomed by the faculty, students, and staff.

The event began with a traditional lamp lighting ceremony, symbolizing the pursuit of knowledge and enlightenment, followed by a heartfelt welcome address to the Governor, who shared words of wisdom and encouragement with the new students. His presence added a prestigious touch to the occasion, inspiring everyone present.

In addition to the Governor's address, faculty members delivered motivational speeches, and students showcased their talents through cultural performances. The Deeksha Utsav at Echelon Institute was a memorable event, combining tradition, inspiration, and the excitement of a new academic journey, with the Governor's visit making it an especially distinguished start to the year.



The image is a composite of two parts. On the left is a promotional poster for the 'Deeksha Utsav' event. The poster has a dark blue background with white and yellow text. At the top left, it says 'ECHELON TRANSFORMING THE EDUCATION' with a logo and '18 YEARS' anniversary badge. The main text in Hindi reads: 'दीक्षा उत्सव में माननीय महामहिम राज्यपाल श्री बण्डारु दत्तात्रेय का हार्दिक अभिनंदन एवं स्वागत करता है'. Below this, it says 'GLIMPSES' in a blue box. At the bottom, there is an illustration of a guru teaching students. Contact information includes a phone number '+91 9999753763' and the website 'www.eitfaridabad.com'. On the right is a photograph showing the Governor of Haryana, Shri Bandaru Dattatreya, in a pink kurta, being warmly welcomed by Echelon Institute of Technology officials. They are standing outdoors, and the Governor is clapping. In the background, there are other people, including police officers in uniform, and a green banner with the Echelon logo.

ECHELON INSTITUTE OF TECHNOLOGY
Approved by AICTE, Ministry of Education, Govt. of India & DTE, Haryana
and affiliated to J.C. Bose University of Science & Technology, YMCA (Faridabad)

+91 9999753763
www.eitfaridabad.com

Mega Career Counseling and Screening Test

On 13th August 2024, Echelon Institute of Technology organized a Mega Career Counseling and Screening Test, providing students with a unique opportunity to explore various career paths and compete for scholarships of up to 100%. The event was graced by the esteemed Chairman, Shri Prabhat Agarwal, who emphasized the importance of informed career choices in today's dynamic job market.

Shri Prabhat Agarwal encouraged students to pursue their passions and take advantage of the scholarship opportunities available to them. The Mega Career Counseling and Screening Test was a resounding success empowering students to make informed decisions about their futures and setting the stage for academic and professional excellence.

The poster features the Echelon Institute of Technology logo at the top right, with the tagline 'TRANSFORMING THE EDUCATION'. It includes a central headline 'MEGA CAREER COUNSELING And SCREENING TEST Upto 100% Scholarship' and a sub-headline 'with Sh. Prabhat Agarwal'. Below this, a bio of Sh. Prabhat Agarwal is provided. The event date and time are listed as 'On 13th August 2024, Tuesday | 12 PM Onwards'. A list of courses is shown in a banner: B.TECH, BCA, BBA, B.VOC, D.VOC, M.TECH, MCA, MBA. A section titled 'In this session, you will learn' lists four topics: 'Knowing who you are in all its possibilities, potentials and limitations', 'How to be a leader in your self inspired chosen area', 'Having a intentful committed clarity of the future you are', and 'How to generate power to translate dreams into reality against all odds'. At the bottom, there are icons for 'Refreshments' and 'Chance to Win Scholarships', along with contact information for Echelon Institute of Technology, Faridabad, including a phone number (+91 9999753763) and a website (www.eitfaridabad.com). A red button at the bottom right says 'REGISTER NOW AND TAKE YOUR CAREER TO THE NEXT LEVEL!'.

Are you feeling lost and confused about your career?
Do you want to find your purpose of life?

Join us for a

MEGA CAREER COUNSELING And SCREENING TEST

Upto 100% Scholarship

with *Sh. Prabhat Agarwal*

An IIT-Delhi alumnus and a deeply spiritual man, a social leader dedicated to fulfilling the vision of creating enlightened communities engaged in creating new possibilities in the field of education, business, administration and ultimately creating a conscious leader for social transformation.

On 13th August 2024, Tuesday | 12 PM Onwards

B.TECH | BCA | BBA | B.VOC | D.VOC | M.TECH | MCA | MBA

In this session, you will learn

- Knowing who you are in all its possibilities, potentials and limitations
- How to be a leader in your self inspired chosen area
- Having a intentful committed clarity of the future you are
- How to generate power to translate dreams into reality against all odds

Refreshments **Chance to Win Scholarships**

Venue: Echelon Institute of Technology, Faridabad

+91 9999753763

www.eitfaridabad.com

REGISTER NOW AND TAKE YOUR CAREER TO THE NEXT LEVEL!





Mock Interviews on Jashna Edu

On August 30, 2024, Echelon Institute of Technology hosted a series of mock interviews in collaboration with Jashna Edu, aimed at preparing students from B.Tech, BBA, BCA, MBA, and MCA programs for their upcoming job placements. The session was coordinated by RTAJ Kumari, the Mock Interview Coordinator, who provided valuable insights and feedback throughout the process. The mock interviews were designed to simulate real-world interview scenarios, allowing students to practice their responses and improve their communication skills. Ms. Raj Kumari guided participants through common interview questions, offering tips on how to effectively showcase their strengths and experiences.

Students received constructive feedback on their performance, which helped them identify areas improvement. The event was well-received, with participants expressing gratitude for the opportunity to refine their interview skills. The mock interviews at Echelon Institute were instrumental in boosting students' confidence and readiness for the competitive job market.



Introduction to Microsoft , IBM and robotics club

Echelon Institute of Technology recently held an engaging event to Introduction to Microsoft, IBM, and Robotics Club, showcasing the exciting opportunities available for aspiring tech enthusiasts. The event aimed to highlight the significance of these clubs in enhancing students' skills and knowledge in the rapidly evolving tech landscape.

Representatives from Microsoft and IBM presented insights into their latest technologies, initiatives, and career development programs, inspiring students to explore innovative solutions and career paths within the tech industry. The Robotics Club showcased hands-on projects and demonstrations, highlighting the practical applications of robotics in various fields.

Students were encouraged to join these clubs to collaborate on projects, participate in workshops, and gain valuable industry exposure. The introduction of the Microsoft, IBM, and Robotics Club at Echelon Institute marks a significant step towards fostering a culture of innovation and technical excellence among students, empowering them to thrive in their future careers.



Industrial Visit to Barclays

Echelon Institute of Technology recently arranged an enlightening industrial visit to Barclays, offering students a unique opportunity to gain insights into the financial sector. The visit aimed to bridge the gap between theoretical knowledge and real-world application, providing students with a firsthand look at the operations of a leading global bank.

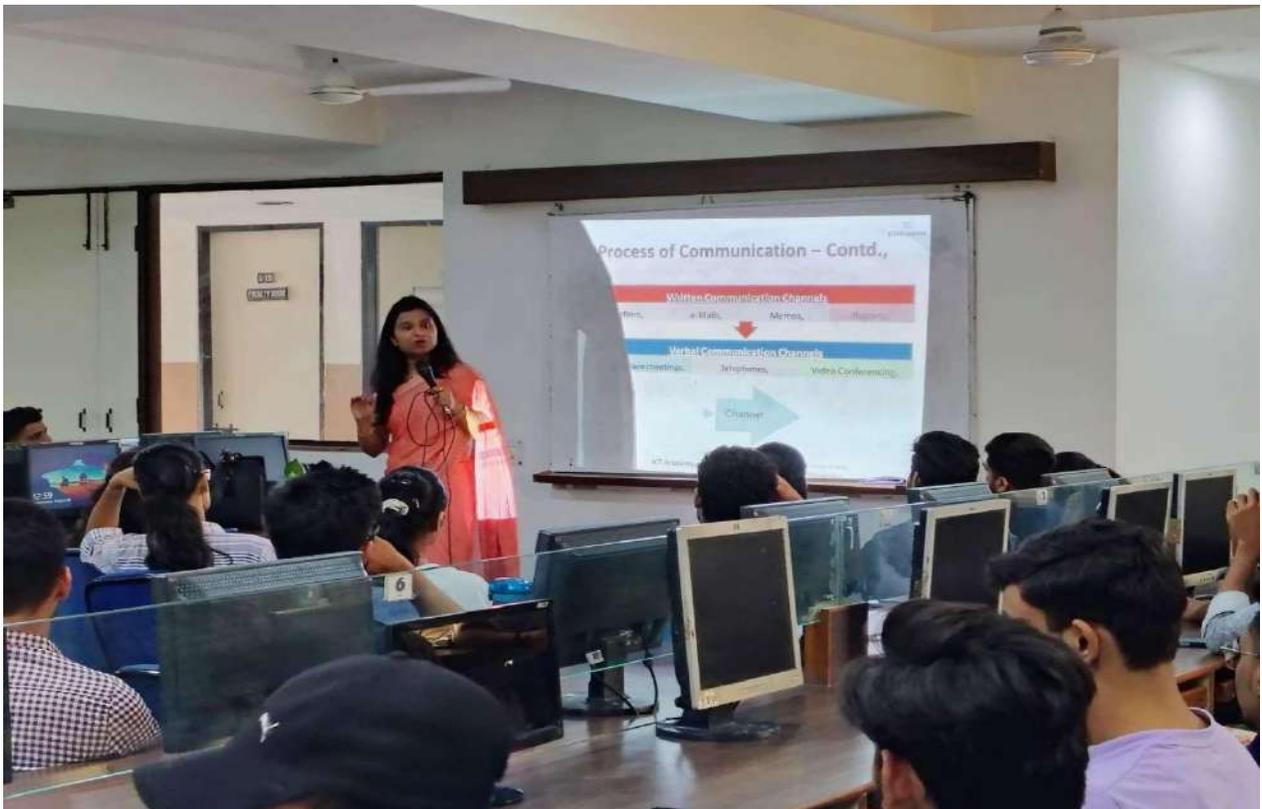
During the visit, students were welcomed by industry professionals who shared valuable information about Barclays's services, technology, and corporate culture. Interactive sessions allowed students to ask questions and engage in discussions about career opportunities within the banking and finance industry.

The highlight of the visit was a guided tour of the Barclays office, where students observed the collaborative work environment and advanced technological tools used in daily operations. This industrial visit not only enhanced students' understanding of the financial industry but also inspired them to consider future careers in banking and finance, reinforcing the importance of practical exposure in their educational journey.



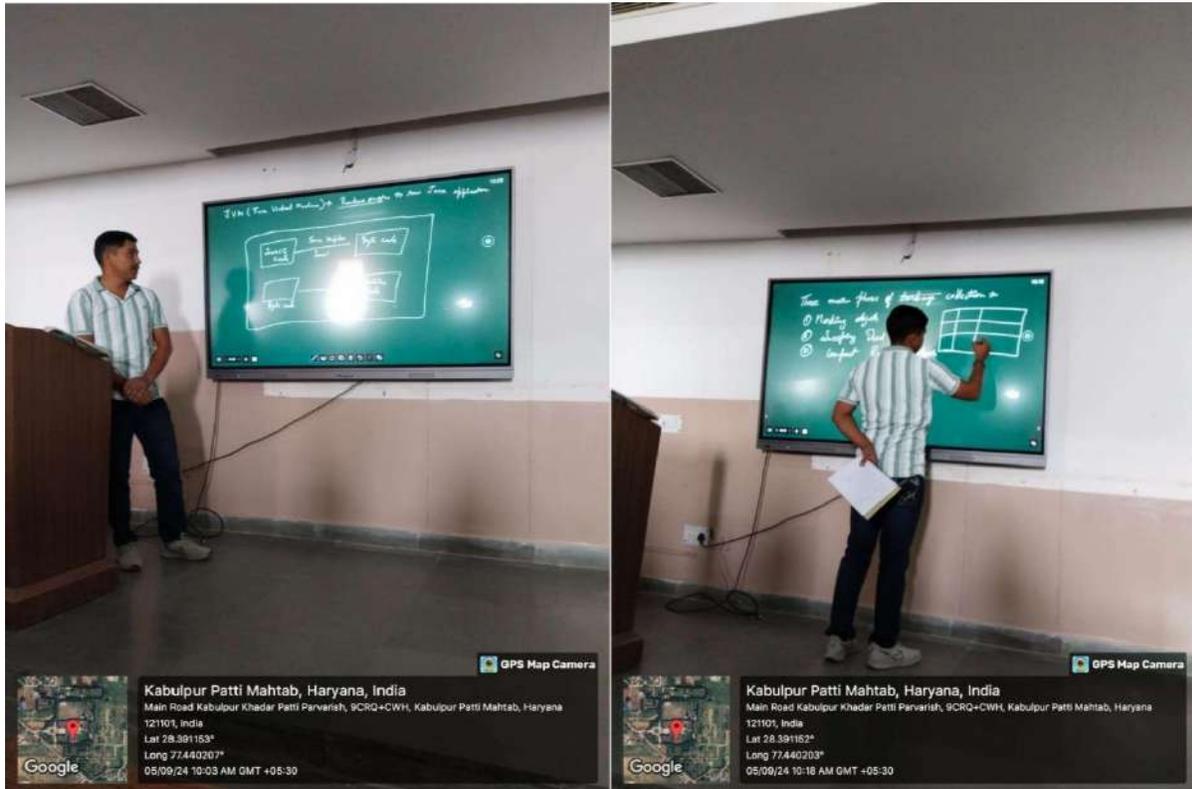
Infosys Training Program

The Infosys Training Program (ITP) was organized by the ICT department at Echelon Institute of Technology on September 2, 2024. The program aimed to enhance students' technical skills and prepare them for industry challenges. With expert trainers from Infosys, participants gained valuable insights into programming, software development, and problem-solving techniques. The event included hands-on sessions, interactive discussions, and real-world project simulations, helping students bridge the gap between academic learning and practical application. Overall, the training provided a platform for students to improve their employability and technical expertise.



Flip Class

On August, Echelon Institute of Technology organized a Flipped Classroom session, an innovative learning approach designed to engage students more actively in their education. Instead of traditional lectures, students were given study materials prior to the class and were expected to review them beforehand. Classroom time was then used for discussions, problem-solving, and practical applications of the concepts. This method aimed to foster deeper understanding, encourage collaboration among students, and enhance critical thinking skills. The session was well-received and marked a progressive shift in teaching methodology at the institute.



Internal Hackathon for Smart India Hackathon (SIH) 2024

In August, Echelon Institute of Technology proudly participated in the Smart India Hackathon (SIH) International Hackathon, a prestigious global coding competition. This event brought together brilliant young minds to develop innovative solutions for real-world challenges presented by industries and government bodies. The hackathon fostered collaboration, creativity, and critical thinking, empowering students to tackle pressing societal and technological problems. It provided a unique opportunity for participants to gain hands-on experience, showcase their talent, and contribute to impactful global change through technology.



College Ke Tashanbaaz

On September 10, 2024, the Cultural Club of Echelon Institute of Technology hosted its much-anticipated auditions, showcasing the vibrant talent of students across various creative domains such as dance, singing, theatre, and visual arts. Standout performances included Suraj and Shuddi from the first year, along with Jayant from second-year BCA for his guitar act, and Harshita from second-year BTech for her theatrical brilliance. These selected students will now compete in the final round of "College ke Tashanbaaz," in collaboration with Red FM, judged by a Bollywood celebrity.



Workshop on Communication Skills & Job Readiness

Echelon Institute of Technology recently conducted a highly interactive workshop on "Communication Skills & Job Readiness." The session aimed to equip students with essential skills for professional success, such as effective verbal and non-verbal communication, interview techniques, and resume building. Expert trainers guided participants through real-world scenarios, helping them gain confidence and prepare for the job market. The workshop received enthusiastic participation and was a valuable step in enhancing students' employability and career readiness.



Engineer's Day Celebration

On September 15, 2024, Echelon Institute of Technology proudly celebrated Engineer's Day, honoring the legacy of Sir M. Visvesvaraya, one of India's most distinguished engineers and statesmen. The event highlighted the pivotal role engineers play in shaping society and advancing technology. Through seminars, discussions, and presentations, students and faculty reflected on the importance of engineering innovations in solving real-world problems. The celebration also encouraged young aspiring engineers to contribute to society with creativity, integrity, and technical expertise, embracing the true spirit of engineering.



Digital Wellness Workshop

The Digital Wellness Workshop is organized at Echelon Institute of Technology on 23 September 2024. The Digital Wellness Workshop helped participants learn how to use technology responsibly and build healthy habits online. Some digital wellness workshops include: I Can Help Offers workshops for educators and students to help them promote digital wellness and mental health in their communities. Intel Education Offers workshops to help people build skills and values to navigate cyberspace safely and responsibly. Wellbeing People Offers workshops and webinars on digital wellness for employees who want to improve their relationship with technology.



Completion Certificate of MongoDB Course

MongoDB is a schema-less database, which means the database can manage data without the need for a blueprint. Document. Data in MongoDB is stored in documents with key-value pairs instead of rows and columns, which makes the data more flexible when compared to SQL databases.

MongoDB supports vertical and horizontal scaling. Vertical scaling works by adding more power to an existing machine, while horizontal scaling works by adding more machines to a user's resources. MongoDB handles load balancing without the need for a separate, dedicated load balancer, through either vertical or horizontal scaling.



Industrial Visit at Code Squadz:

Echelon Institute of Technology organized Industrial visit for 5th semester Btech CSE students at App Squadz H56 Greater Noida. Industrial visits are crucial for 5th semester Computer Science and Engineering (CSE) students, providing practical exposure and bridging the gap between theoretical concepts and real-world applications. These visits allow students to understand industry practices, explore the latest technologies, and gain insights into various career paths. By interacting with professionals, students can network for future internships and job placements. Observing industrial workflows enhances technical skills and improves soft skills such as communication and teamwork. Witnessing the real-world impact of technology inspires and motivates students to innovate and excel in their studies.



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Ms. Suman
(Assistant Professor, CSE Department)

Faculty Members:

Ms. Suman
(Assistant Professor)

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