

APRIL 2024 - JUNE 2024

Volume 7 , Issue 4



# TECHNOMATION-EXECUTION

*Quarterly Newsletter for Department of Computer Application,  
Echelon Institute of Technology , Faridabad*

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## PROLOGUE:

### *MESSAGE FROM THE EDITOR:*

It is with immense pleasure that I was given the opportunity to work on the edition of the college Newsletter. As we all know, a newsletter mirrors a college. Its vision and mission. It also highlights events, activities and academic prowess and achievements. In this edition, I have tried to capture three months excitement and activities. I do hope that the newsletter encourages many more including students to use it as a platform to express their creativity.

***The function of education is to teach one to think intensively and to think critically. Intelligence plus character-that is the goal of true education.***

# ECHELON INSTITUTE OF TECHNOLOGY

## INSTITUTE MISSION AND VISION

### **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:**

The institute is committed to fulfilling its vision of- "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."

# **ECHELON INSTITUTE OF TECHNOLOGY**

## **BACHELORS OF COMPUTER APPLICATION**

### **Mission:**

M1:- To provide the future leaders in the area of computer application and information technology through the development of human intellectual potential to its fullest extent.

M2:- To enable the students to acquire globally competence through developing their problem solving skills and exposure to latest developments in area of computer application and information technologies.

M3:- To educate the students about their professional, social and ethical responsibilities.

### **Vision:**

The department aims to make a place at both national and international level by producing high quality ethically rich computer application engineers and IT professionals conversant with the state-of-the-art technology with the ability to adapt the upcoming challenges in information technologies and their applications to cater to the ever changing industrial and societal needs. It endeavors to establish itself as a center of excellence in teaching and research to produce skilled human resource for sustainable nation's growth and having technological impact on the people's life

## **STUDENT SPEAKS**

Some of our students told their real feelings and real facts about college.



Its growing , uplifting , opportunity and full supportive environment . Staff of our college is very supportive and cooperative. I feel very lucky and blessed to find a institution like this.

**Dhruv**  
**( 23-BCA-022)**

I really like the faculty and I had the best environment for my studies and overall growth . I learned many new things from my teachers who are very helpful in every way they could .

**-Garv**  
**( 23-BCA-019)**



I really like the faculty and I had the best environment for my studies and overall growth . I learned many new things from my teachers who are very helpful in every way they could . being a BCA student isn't just about geeking out over software or getting lost in the realm of ones and zeros. It's also about creativity and innovation. Whether we're designing sleek user interfaces, crafting elegant algorithms, or dreaming up the next big app, we're constantly pushing the boundaries of what's possible in the digital realm.

**-Divya**  
**(23-BCA-020)**



# ACTIVITIES DURING APRIL TO JUNE 2024

**5 APRIL 2024**

## INDUSTRIAL VISIT

**Echelon Institute Of Technology**  
Affiliated with J.C. Bose University of Science and Technology, YMCA Faridabad.

**TRAINING & PLACEMENT CELL**  
ORGANIZES

**INDUSTRIAL VISIT**  
APPSQUADZ TECHNOLOGIES PVT LTD.

**AppSquadz**  
CodeSquadz H-65  
Sector 63 Noida  
(201301)

**Friday, 05th, April, 2024** **BCA 1st year**

Kheri-Manjhawali Road, Naharpar, Kabulpur  
Patti Mahtab, Faridabad, Haryana 121101 **+9199997 5376**  
**WWW.EITFARIDABAD.COM**

Echelon Institute Of Technology's Training & Placement Cell is thrilled to announce an industrial visit to AppSquadz Technologies Pvt. Ltd. on Friday, April 5th, 2024!

Our BCA 1st-year students will gain invaluable exposure to the exciting world of mobile and web app development at this leading IT company.

This visit will provide a glimpse into the:

Software Development Life Cycle (SDLC) in action.

Work environment of a dynamic IT firm  
Career opportunities in the app development industry.

Get ready, Echelon IT Eagles! This is your chance to learn, network, and get inspired for your future careers!



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**5 FEBRUARY 2024**

**Training on AI & ML Using Python**



**ECHELON** Echelon Institute of Technology, Faridabad  
 Department of Computer Science & Engineering and Computer Application is organizing

**Hands-on Training on AI & ML using Python**

**Speaker**  
 Mr Baldivya Mitra  
 Assistant Professor,  
 (Galgotias University)

**Venue: S-38**  
 BCA 6 Sem , BCA 4 Sem(DS) & MCA 2 Sem

05<sup>th</sup> April 2024, (09:00 AM Onwards)

[www.eitfaridabad.com](http://www.eitfaridabad.com) +91 9999753763

Level Up Your Skills in AI & ML! Echelon Institute of Technology, Faridabad - Department of Computer Science & Engineering and Computer Application is organizing a hands-on training session on AI & ML using Python.

Speaker: Mr Baldivya Mitra, Assistant Professor, (Galgotias University)



**5 FEBRUARY 2024**

**Training on Operating System**



**ECHELON** Echelon Institute of Technology, Faridabad  
 Department of Computer Application is organizing

**Hands-on Training on Operating System**

**Speaker**  
 Mr Sonu Kumar Jha  
 Assistant Professor,  
 (Galgotias University)

**Venue: F 32**  
 BCA 2 sem (Data Science)

05<sup>th</sup> April 2024, (09:00 AM Onwards)

[www.eitfaridabad.com](http://www.eitfaridabad.com) +91 9999753763

Operating System Deep Dive! Echelon Institute of Technology, Faridabad - Department of Computer Application is organizing a hands-on training session on Operating Systems. Speaker: Mr Sonu Kumar Jha, Assistant Professor, (Galgotias University).

**8 MAY 2024**

**INTERNATIONAL  
CONFERENCE**

As Initiated by "The Last Centre"

**ECHELON**  
TRANSFORMING THE EDUCATION

**18**  
YEARS

**International  
CONFERENCE**  
ON EVOLVING SCIENCE & INTELLIGENCE  
— (ICESI-2024) —  
ORGANIZED BY  
**ECHELON INSTITUTE OF TECHNOLOGY**

— THRUST AREAS —

- Artificial Intelligence
- Machine Learning
- Financial Data Analytics
- Internet Of Thing (IOT)
- & MANY MORE.....

PROF.(DR.) SUDARSHAN GOSWAMI (Chief Patron)  
PROF.(DR.) RANJEET KUMAR (Patron)  
PROF.(DR.) RAJESH KUMAR SINGH (Conference Chair)  
DR. MANISH KUMAR & MR MOHIT KAPIL (Convenor)

**MAY 08-09, 2024**

Visit our website : [www.eitfaridabad.com](http://www.eitfaridabad.com)  
Call For More Info +91 9999753763

International Conference on Evolving Science & Intelligence (ICESI-2024)!

Organized by Echelon Institute of Technology, this conference is your chance to deep dive into cutting-edge fields like:

- Artificial Intelligence
- Machine Learning
- Financial Data Analytics
- Internet of Things (IoT) ,  
And Many More!



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**24-29 JUNE 2024**

**JAVA PROGRAMMING**  
**TRAINING**

**ECHELON**  
TRANSFORMING THE EDUCATION

Echelon Institute of Technology, Faridabad

Training and Placement Department  
is organizing

**Training**  
on  
**Java Programming**

**Mr. Rahul Tiwari**  
Full Stack Java Trainer

Venue: Seminar Hall Admin Block  
B.tech And Bca

**Java**

24<sup>th</sup> June to 29<sup>th</sup> June 2024, (09:00 AM Onwards)

[www.eitfaridabad.com](http://www.eitfaridabad.com) +91 9999753763

The Training and Placement Department of Echelon Institute of Technology is organizing a comprehensive Java training program aimed at enhancing students' programming skills and preparing them for the competitive job market. This hands-on course covers core Java concepts, object-oriented programming, and advanced topics, providing participants with the knowledge and experience needed to excel in software development roles. Through practical sessions and expert guidance, students will gain valuable insights into real-world applications of Java, boosting their employability and readiness for technical interviews.

**24-29 JUNE 2024**

**DATA STRUCTURES**  
**AND ALGORITHM**  
**TRAINING**

**ECHELON**  
TRANSFORMING THE EDUCATION

Echelon Institute of Technology, Faridabad

Training and Placement Department  
is organizing

**Training**  
on  
**Data Structures and Algorithms**

**Mr. Akash Tiwari**  
Data Structures and  
Algorithms Instructor

Venue: Seminar Hall Admin Block  
B.tech, Bca And Mca

**Data Structure and  
Algorithm**

24<sup>th</sup> June to 29<sup>th</sup> June 2024, (09:00 AM Onwards)

[www.eitfaridabad.com](http://www.eitfaridabad.com) +91 9999753763

The Training and Placement Department of Echelon Institute of Technology is organizing an intensive Data Structures and Algorithms training program. This initiative aims to equip students with essential coding skills and a deep understanding of algorithmic concepts critical for technical interviews and competitive programming. The program includes hands-on sessions, expert-led workshops, and problem-solving exercises, designed to enhance analytical thinking and problem-solving capabilities. By participating in this training, students will gain a robust foundation in data structures and algorithms, preparing them for successful careers in the tech industry.

**29 JUNE 2024**

**ALUMNI MEET**



Echelon Institute of Technology is excited to announce its upcoming Alumni Meet, a special event designed to reconnect past graduates and celebrate their achievements. Scheduled for the 29th of June, the event will provide an opportunity for alumni to network, reminisce about their college days, and engage with current students and faculty. The gathering aims to strengthen the bond within the Echelon community, fostering a sense of belonging and pride. Attendees can look forward to a day filled with engaging activities, inspiring talks, and a chance to contribute to the institute's future growth and success.

# THANKYOU

Thank you—not only for the academic education, but for being an excellent role model and for instilling important values in us that will guide us throughout our life.

I am beyond grateful for all the creative and engaging lessons you have taught this year! Your dedication to teaching and unwavering commitment to your students is truly admirable, and we were so fortunate to have you this year!

I want you to know that your hard work, dedication, and passion for teaching are truly appreciated. Thank you!



# COMICAL CORNER



## JOKES

### LIFE BEFORE THE COMPUTER



a **memory** was something that you lost with age  
 an **application** was for employment  
 a **program** was a TV show  
 a **cursor** used profanity  
 a **keyboard** was a piano  
 a **web** was a spider's home  
 a **virus** was the flu  
 a **cd** was a bank account  
 a hard drive was a long trip on the road  
 a **mouse pad** was where a mouse lived  
 and if you had a **3-1/2 floppy**  
 ... you just hoped nobody found out.

**while (alive)**

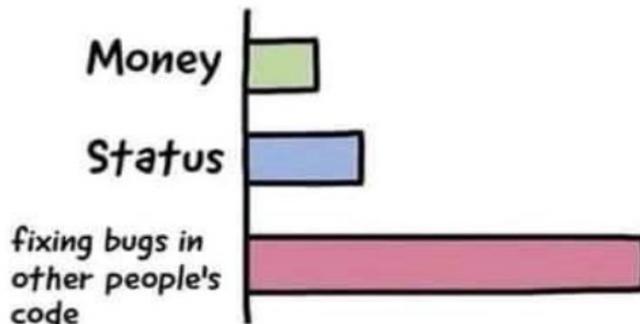
{

**eat ();**  
**sleep ();**  
**code ();**

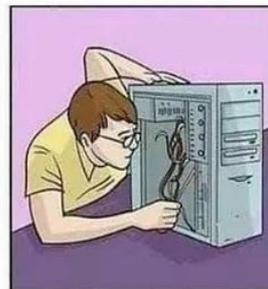
}

**A programmer**

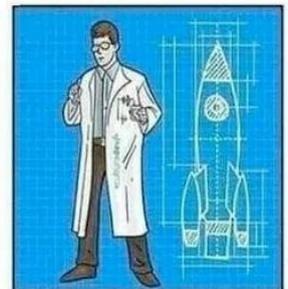
## What makes people feel powerful



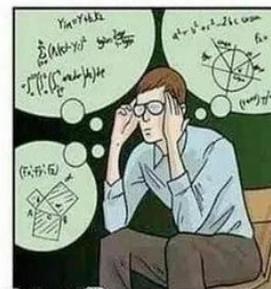
What people think I do



What my parents think I do



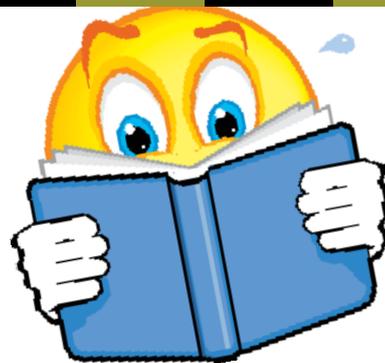
What I think I do



What I really do



# QUOTES/SHAYARIS



Learn from yesterday, live for today, hope for tomorrow. The important thing is to not stop questioning.

Albert Einstein

quotefancy

**IF YOU  
CAN'T  
HANDLE  
STRESS  
YOU CAN'T  
MANAGE  
SUCCESS**

bannerwishes.com

1 Year = 365 Possibilities

"When our signature changes to autograph, this marks the **SUCCESS**"

CAREERINDIA

It doesn't matter what others are doing, it matters what you are doing.



Informative  
Research

# AI & ML

Artificial Intelligence (AI) and Machine Learning (ML) are at the forefront of technological innovation, driving significant advancements across various sectors. Here's a closer look at the current trends and applications:

## Key Trends in AI and ML

### 1. Generative AI:

- **Description:** Generative AI models, such as GPT-4 and DALL-E, create new content from data inputs. They can generate text, images, music, and more.
- **Applications:**
  - ⇒ **Content Creation:** Automated writing, graphic design, and music composition.
  - ⇒ **Customer Interaction:** Chatbots and virtual assistants providing human-like interactions.
  - ⇒ **Entertainment:** AI-generated stories, scripts, and video games.

### 2. AI in Healthcare:

- **Description:** AI enhances healthcare by improving diagnostic accuracy, personalizing treatments, and accelerating drug discovery.
- **Applications:**
  - ⇒ **Diagnostics:** AI-powered imaging systems for detecting diseases like cancer.
  - ⇒ **Predictive Analytics:** Predicting patient outcomes and disease outbreaks.
  - ⇒ **Personalized Medicine:** Tailoring treatments based on genetic information

### 3. ML Operations (MLOps):

- **Description:** MLOps combines machine learning with DevOps practices to automate and streamline the deployment and management of ML models.
- **Applications:**
  - ⇒ **Model Deployment:** Ensuring ML models are deployed efficiently and reliably.
  - ⇒ **Monitoring and Maintenance:** Continuous monitoring of model performance and updates.
  - ⇒ **Scalability:** Handling large-scale ML operations with robust infrastructure.



Informative  
Research

## **Future Prospects :**

### **1. AI Ethics and Governance:**

- ◇ Developing frameworks and regulations to ensure ethical use of AI.
- ◇ Addressing biases and ensuring fairness in AI systems.

### **2. AI Integration with Other Technologies:**

- ◇ Combining AI with blockchain for secure and transparent data management.
- ◇ Integrating AI with IoT for smarter, more autonomous devices.

### **3. Advances in Neuromorphic Computing:**

- ◇ Developing AI systems inspired by the human brain to improve efficiency and capabilities.

AI and ML continue to evolve rapidly, influencing a wide array of industries and driving innovation. As these technologies advance, their potential applications and impact will only grow, shaping the future of technology and society.

## **EDITORIAL BOARD:**

**Teacher Coordinator:**

**Ms. Ruchika Aggarwal**

**(Associate Professor in CSE/DCA)**

**Student Coordinators:**

\* Vipin Bisht(21-BCA-125)

\* Sakshi Bhatt(21-BCA-100)

\* Piyush joshi (22-BCA-DS-033 )

\* Nishita gaur (22-BCA-057)

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