TECHNOMATION–EXECUTION

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

Inside this issue:

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

MISSION AND VISION OF 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.

Ranjana Kunari
(21-BCA-89)

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 .

-S.Nishant
(21-BCA-097)

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.

-Nishita gaur
(22-BCA-057)

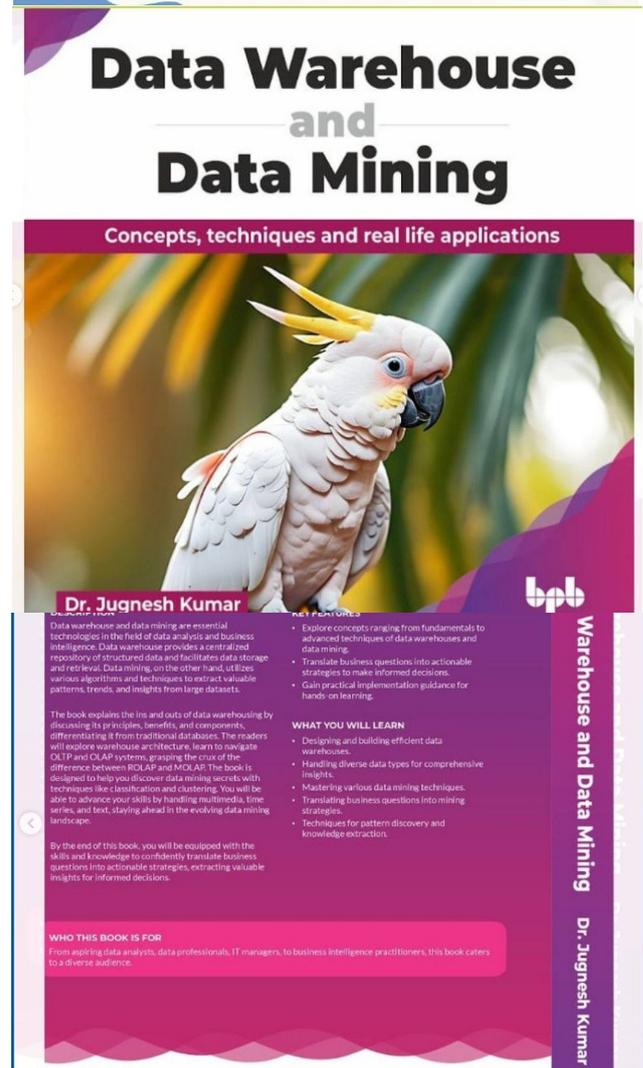# ACTIVITIES DURING JANUARY TO MARCH 2024

2 FEBRUARY 2024

FACULTY SPOTLIGHT

Celebrating **Dr. Jugnesh Kumar's** Remarkable Achievement!

We are thrilled to announce that our esteemed **Professor and Head of the Department (CSE-BCA)**, Dr. Jugnesh Kumar, has added another feather to his cap! He has recently published a comprehensive book titled 'Data Warehouse and Data Mining.'

Dr. Kumar's expertise in the field of Computer Science and dedication to advancing knowledge is evident in this significant contribution. His book delves into the intricacies of Data Warehouse and Data Mining, offering valuable insights for students, researchers, and professionals alike.

7 FEBRUARY 2024

INDUSTRIAL VISIT

First-year students from Echelon Institute of Technology's B.Tech, BBA, and BCA programs visited Barclays Noida! They explored how technology and finance work together and got the experience and insights that will shape future careers.

14 FEBRUARY 2024

VASANT PANCHMI

1-2 MARCH 2024

रणbhumi

Vasant Panchami, also known as Basant Panchami, is a Hindu festival that marks the arrival of spring and is dedicated to Saraswati, the goddess of knowledge, music, and art. Celebrating Vasant Panchami in college can be a vibrant and enriching experience .

A Spectacular Display of Sportsmanship and Talent!

Echelon College recently hosted the highly anticipated रणbhumi 2024, where students from colleges across their athletic abilities andcompete for glory. The event was a resounding success, with fierce competition, electrifying matches, and moments of pure sportsmanship that truly embodied the spirit of the games. From intense basketball face-offs to thrilling soccer matches and exhilarating relay races, every event showcase solation and talent of our student athletes. Spectators filled the stands, cheering on their classmates and soaking in the vibrant atmosphere of camaraderie and excitement.
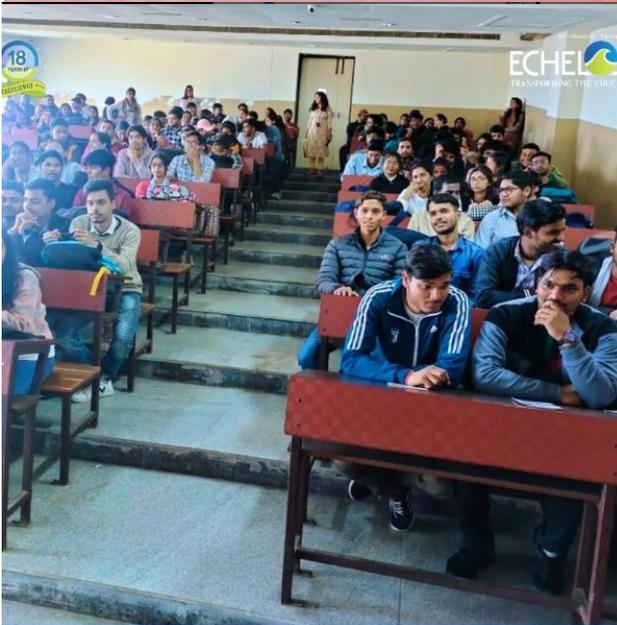
7th March 2024

CEPTA INFOTECH PVT. LTD WORKSHOP

Workshop conducted by Cetpa Infotech Pvt Ltd at Echelon College! This interactive session equipped our students with valuable knowledge and practical skills. The workshop provided an enriching experience for all participants, fostering a deeper understanding of the topic.

23 MARCH 2024

PARENTS'-INSTITUTE CONCLAVE

Parents'-Institute Conclave"   A coming together to create a great, fulfilling, shared, common future." THREE WAY PARTNERSHIP INISTITUTE, PARENTS & STUDENT FOR B.TECH, BBA, BCA, MBA and MCA 1st Semester Evolutionary Partnerships And Collaborative Creation.

28 MARCH 2024

Power Up Your Cloud

Echelon Institute of Technology, Faridabad is hosting a Power Seminar on AWS Cloud organized by the Department of CSE and DCA.

Key Highlights:

- Learn from industry expert Mr. Aditya Jha,

- Technical Trainer at ICT Academy.

- Gain insights into the vast potential of AWS Cloud.

- Network with fellow students and faculty.

Understand the fundamentals of cloud computing. Explore the various AWS services and their applications. Gain a competitive edge in the job market.

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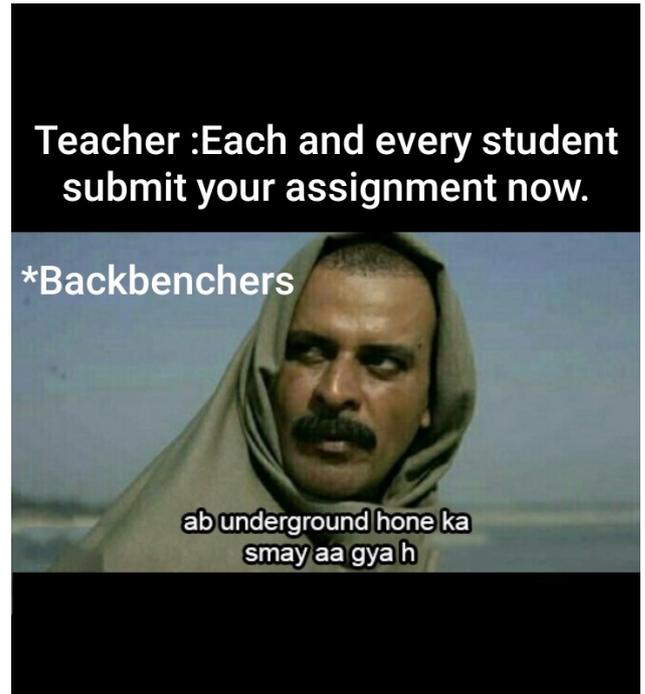
I want you to know that your hard work, dedication, and passion for   teaching are truly appreciated. Thank you!
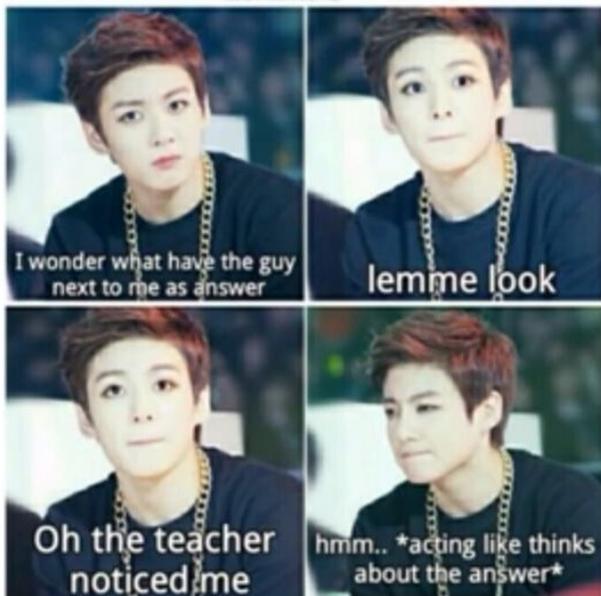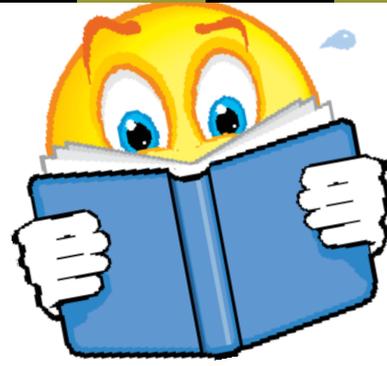
COMICAL CORNER

JOKES

QUOTES/SHAYARIS

"Just one small positive thought in the morning can change your whole day."

Dalai Lama

5 Daily Reminders

1. I am amazing.
2. I can do anything.
3. Positivity is a choice.
4. I celebrate my individuality.
5. I am prepared to succeed.

"It's the teacher that makes the difference, not the classroom."

– Michael Morpurgo

"Teaching is the one profession that creates all other professions"

– unknown

The more you feed your mind with positive thoughts, the more you attract great things into your life.

Edge Computing

Edge computing is a distributed computing paradigm that brings computation and data storage closer to the location where it is needed, improving response times and saving bandwidth. Instead of relying on a centralized data center or cloud, edge computing leverages local nodes (such as IoT devices, edge servers, or local data centers) to process data at or near the source of data generation. Here are key aspects of edge computing:

Key Concepts

1. **Proximity to Data Source**:

- Data is processed closer to where it is generated, reducing latency and bandwidth use.

- This proximity enables real-time data processing and decision-making.

2. **Latency Reduction**:

- By processing data locally, edge computing minimizes the delay (latency) associated with sending data to a centralized cloud and waiting for a response.

3. **Bandwidth Efficiency**:

- Only essential data is transmitted to the cloud, reducing the amount of data that needs to be sent over the network.

4. **Scalability**:

- Edge computing supports scalability by distributing computational tasks across multiple edge devices, preventing overload of centralized servers.

5. **Reliability**:

- Edge devices can operate independently of the central cloud, providing better reliability and resilience, especially in scenarios with intermittent connectivity.

Benefits :

1. **Faster Response Times**:

- Critical in applications requiring real-time processing, such as industrial automation, healthcare monitoring, and autonomous systems.

2. **Reduced Data Transmission Costs**:

- By filtering and processing data locally, the amount of data sent to central servers is reduced, lowering bandwidth costs.

3. **Enhanced Privacy and Security**:

- Sensitive data can be processed locally, reducing the risk of data breaches during transmission.

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)