



JANUARY 2025

DEPARTMENT OF COMPUTER  
APPLICATIONS



**LINGAYA'S LALITA DEVI INSTITUTE OF MANAGEMENT AND SCIENCES,  
MANDI ROAD, NEW DELHI**



## Monthly Newsletter

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# LOHRI CELEBRATION AT LLDIMS COLLEGE

LLDIMS, New Delhi, January 13, 2025



The students and staff of Lingaya's Lalita Devi Institute of Management & Sciences (LLDIMS) celebrated the festival of Lohri with great enthusiasm and joy. The event brought everyone together to mark the harvest festival, which symbolizes new beginnings and prosperity. The celebration began with the traditional Lohri bonfire, where everyone gathered to sing folk songs like "Sundar Mundriye". Offerings of peanuts, popcorn, and sesame seeds were tossed into the fire as part of the rituals. The atmosphere was filled with excitement as students performed bhangra and gidda, accompanied by the beats of the dhol. Faculty members and students joined in the dancing, making the event lively and engaging. A highlight of the celebration was the delicious food, which included makki ki roti, sarson ka saag, rewri, and gajak, giving everyone a taste of traditional Punjabi cuisine. Dr. Pranav Mishra, Director of LLDIMS, addressed the gathering and spoke about the importance of cultural festivals in bringing people together. The Lohri celebration ended with cheerful group photos around the bonfire and sweet treats distributed among everyone. It was a day full of warmth, happiness, and togetherness, leaving beautiful memories for all.

# SYLLABUS TO BE COVERED

<b>1<sup>st</sup> Year</b>	<b>2<sup>nd</sup> Year</b>	<b>3<sup>rd</sup> Year</b>
Subject : -DBMS Unit 1: Introduction and ER Model	Subject : - Java Programming Unit 1: Java Programming	Subject : -Data Ware Housing and Data Mining Unit 1:Introduction to Data Warehousing
Subject : -Object Oriented Programming using Java Unit 1: Object Oriented Paradigm	Subject : -Software Engineering Unit 1: Introduction of software engineering	Subject : -E-Commerce Unit 1: Introduction & E-commerce infrastructure
Subject : - Data Structure and Algorithms Unit 1:Linear Data Structures	Subject : -Introduction to Management and Entrepreneurship Development Unit 1: Introduction to Management and Entrepreneurship	Subject : -Data Visualization & <u>Analytics</u> Unit 1:Data Visualization & <u>Analytics</u>
Subject : - Software Engineering Unit 1: Introduction to Software Engineering		
Subject : - Soft Skills Unit 1: Foundation of soft skills	Subject : - Digital Marketing Unit 1: Digital Marketing Basics	
Subject : - Environment studies Unit 1:Introduction to Environment studies	Subject : -Personality Development Skills Unit 1: Basics of Personality Development	



## BCA 3<sup>RD</sup> YEAR (GGSIPU)

### AI Trends Transforming the Future

Artificial Intelligence (AI) is at the forefront of technological innovation, reshaping industries and redefining the way we interact with technology. From advancements in natural language processing to breakthroughs in autonomous systems, AI is evolving at an unprecedented pace. Here are some of the key trends in AI that are shaping the future:

#### 1. Generative AI

Generative AI, exemplified by tools like ChatGPT and DALL-E, is revolutionizing content creation. These systems use deep learning models to generate text, images, videos, and music that closely mimic human creativity. Businesses are leveraging generative AI for marketing, product design, and personalized user experiences. As these models become more sophisticated, they are expected to play a significant role in education, entertainment, and healthcare.

#### 2. AI in Healthcare

AI is transforming healthcare through predictive analytics, personalized medicine, and robotic-assisted surgeries. Machine learning algorithms can analyze vast amounts of medical data to predict disease outbreaks, improve diagnostics, and identify effective treatment plans. AI-powered tools, like wearable health monitors, are empowering patients to take control of their health, ensuring early detection and intervention.

#### 3. Explainable AI (XAI)

As AI systems become more integrated into decision-making processes, the need for transparency and accountability has grown. Explainable AI aims to make AI models more understandable to humans by clarifying how decisions are made. This trend is particularly important in sectors like finance, healthcare, and law, where ethical considerations are paramount.

#### 4. Edge AI

Edge AI refers to running AI algorithms locally on devices rather than relying on cloud computing. This approach reduces latency, enhances privacy, and improves efficiency. Applications of edge AI include smart home devices, autonomous vehicles, and industrial IoT (Internet of Things) systems. With advancements in hardware, edge AI is becoming more accessible and cost-effective.

#### 5. AI in Cybersecurity

With the increasing number of cyber threats, AI is being used to detect and respond to threats in real-time. AI-powered security systems can analyze vast amounts of data to identify patterns and anomalies, helping to prevent data breaches and other security incidents.

learning models are being used to identify vulnerabilities and strengthen defense mechanisms, ensuring the safety of sensitive data and infrastructure.

## 6. Ethical AI and Regulation

As AI becomes more pervasive, concerns around bias, privacy, and misuse are gaining attention. Governments and organizations are focusing on creating ethical frameworks and regulations to ensure responsible AI development. Initiatives to mitigate algorithmic bias, enhance data protection, and establish accountability mechanisms are at the forefront of this trend.

## 7. AI-Driven Automation

AI is driving automation across various industries, from manufacturing and logistics to customer service. Robotic Process Automation (RPA) powered by AI is streamlining repetitive tasks, improving efficiency, and reducing costs. In agriculture, AI-powered drones and sensors are optimizing crop management and resource utilization.

## 8. AI in Education

AI is revolutionizing education by enabling personalized learning experiences. Adaptive learning platforms use AI to tailor educational content to individual students' needs and preferences. Virtual tutors and AI-powered assessment tools are enhancing the quality of education and bridging gaps in access.

## Conclusion

The rapid evolution of AI holds immense potential to transform the world as we know it. However, with great power comes great responsibility. As we embrace these advancements, it is crucial to address the ethical, social, and economic challenges they present. By fostering collaboration between governments, businesses, and researchers, we can ensure that AI serves as a force for good, driving progress and innovation for all.

## Empowering Future Leaders Through Prestigious Internships

**LINGAYA'S LALITA DEVI INSTITUTE OF MANAGEMENT & SCIENCES**  
Recognised by NCTE | Affiliated to GGSIPU Delhi | Government of NCT of Delhi

**Celebrating Career Success**  
**@LLDIMSDELHI**

**इंडियनऑयल**  
**IndianOil**  
**ARYAN SHUKLA**  
Intern,  
Indian Oil Corporation Ltd  
BCA 2022-2025

**INTERNSHIP**

We are proud to announce the success of **Aryan Shukla**, a BCA (2022-2025) student from Lingaya's Lalita Devi Institute of Management & Sciences. Aryan has secured a prestigious internship with **Indian Oil Corporation Ltd**, a leading name in the energy sector.

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### About Aryan Shukla

- **Program:** BCA (2022-2025)
- **Role:** Intern
- **Organization:** Indian Oil Corporation Ltd

Aryan's achievement is a testament to the dedication and excellence nurtured at LLDIMS. Congratulations, Aryan! Your success inspires the entire student community.



We are thrilled to celebrate the career success of one of our bright stars, **Aryan Shukla**, a BCA (2022-2025) student at Lingaya's Lalita Devi Institute of Management & Sciences. Aryan has secured a prestigious internship with **Indian Oil Corporation Ltd (IOCL)**, one of India's leading public sector enterprises.

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### Student Profile

- **Name:** Aryan Shukla
- **Program:** Bachelor of Computer Applications (BCA) | Batch: 2022-2025
- **Internship Role:** Intern, Indian Oil Corporation Ltd

Aryan's achievement reflects his dedication, hard work, and the robust academic and professional guidance provided at LLDIMS. Securing an internship at IOCL is a remarkable accomplishment that highlights the institute's commitment to fostering excellence and preparing students for rewarding careers.

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## *About Indian Oil Corporation Ltd (IOCL)*

Indian Oil Corporation Ltd is one of the largest integrated energy companies in India, providing innovative energy solutions to millions. Being a part of IOCL is a prestigious milestone for any aspiring professional, offering unparalleled exposure and experience.

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### *Message from LLDIMS*

At LLDIMS, we believe in celebrating the success of our students, as it showcases the quality of education and the opportunities that our institute provides. Aryan Shukla's journey is an inspiration to his peers and a proud moment for the entire LLDIMS family.

## **UPCOMING ACTIVITIES**

Department orientation  
Department Republic Day Celebration  
Educational Visit

Mrs. Madhavi jha  
Newsletter Coordinator

Dr. Saleem Javed  
HoD

Dr. Pranav Mishra  
Director LLDIMS