



Magazine

January-March 2023



INSPERIA



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**LAKSHMI NARAIN COLLEGE OF TECHNOLOGY-MCA
BHOPAL**



**LNCT GROUP OF COLLEGES
FIFTH EDITION**

OBJECTIVE

The main objective is to make students technically talented in the information technology field. The department has tied up with Coursera (spoken tutorial project) which offers certificate courses to help the students to gain exposure towards leading its tools and languages which is part of the curriculum to earn credits. The students are advised to enroll for online MOOC courses to gain knowledge and upgrade their skills for employment.

VISION

To be a premier institute where globally competent computer professionals, innovators, and entrepreneurs are evolved with patriotism and nurtured ethical values.

MISSION

- ❖ To offer high-grade, value-based Postgraduate Programmes in the field of Computer Applications.
- ❖ To improve continually in the teaching-learning process by strengthening infrastructural facilities and faculty credentials.
- ❖ To provide conducive environment to achieve excellence in teaching-learning, and research & development activities.
- ❖ To enhance proportion of skilled based courses beyond curriculum to create more employable post-graduates.
- ❖ To provide appropriate forums to develop innovative talents, practice ethical values and inculcate as enduring learners.

Blessings from the Desk of Executive Director LNCT Group of Colleges

Chief Patron

Shri. J.N. Chouksey

Patrons

Ms. Poonam Chouksey

Dr. Anupam Chouksey

Director, LNCT-MCA

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Prof. Anuradha Soni

Prof. Rohit Singh

Leading with Purpose: Navigating the Challenges of Tomorrow

Dear Students & Faculty members, of LNCT Group of Colleges, Bhopal, In the ever-evolving landscape of technical education, the need for visionary leadership has never been more pronounced. As we stand at the threshold of unprecedented technological advancements and dynamic shifts in industry demands, our commitment to leading with purpose becomes our guiding force.

At LNCT Group of Colleges, Bhopal, we have always believed that the foundation of excellence lies in purpose-driven leadership.

Our college's journey has been marked by innovation, adaptability, and a steadfast dedication to preparing our students for the challenges of tomorrow. As we navigate this dynamic environment, we invite you to join us on a transformative mission.

Through these pages, we aim to empower you with the knowledge and inspiration required to lead with purpose in the realm of technical education. We proudly present the journeys of our students and faculty who have embraced change and leveraged technology to excel in their respective fields.

As we embark on this transformative journey together, let us remember that leadership is not just about adapting to change; it's about driving positive change. With your unwavering support and commitment, we can continue to lead the way in technical education, shaping the future of our students and, in turn, the future of industries worldwide.

Thank you for being an essential part of our dynamic community and for embracing the challenges and opportunities that lie ahead. Together, we can navigate the complexities of tomorrow and forge a path towards a brighter, more technologically advanced future.



Smt. Shweta Chouksey
Executive Director, LNCT
Group of Colleges, Bhopal

"The journey of a thousand miles begins with a single step; take it boldly."

Embracing Innovation: Student-Centric Approaches to Learning

In the ever-evolving landscape of education, students are emerging as catalysts of change, bringing fresh ideas and innovative approaches to learning. As the Director of LNCTMCA, I am delighted to witness the dynamic shift in how students perceive and engage with education. In this article, we will explore some of these exciting new ideas that are shaping the future of learning.

Traditional lectures are giving way to active learning methods that encourage student participation and engagement. Students are increasingly involved in discussions, problem-solving, and collaborative projects. These approaches empower students to take ownership of their learning and deepen their understanding of the subject matter.



Dr. Sanjay Bajpai
Director
LNCT-MCA, Bhopal

Students are recognizing the value of peer teaching and mentoring. They create study groups, tutor their peers, and share knowledge through peer-led workshops. Peer-to-peer learning fosters a sense of community and allows students to gain a deeper grasp of concepts. Personalization is a key trend. Students are increasingly tailoring their learning experiences to their individual needs and interests. They choose courses, explore electives, and pursue interdisciplinary studies to create customized learning paths. In an interconnected world, students are seeking global learning experiences. They participate in exchange programs, international internships, and online courses from institutions worldwide. These experiences broaden their horizons and expose them to diverse perspectives. Students are recognizing the importance of mindfulness and well-being in their educational journey. They engage in practices such as meditation and yoga to reduce stress and enhance focus, thus optimizing their learning experiences. Many students are passionate about making a positive impact on society. They engage in social impact initiatives, volunteering, and community service projects. These activities not only align with their values but also provide valuable life lessons. Finally, students are embracing a lifelong learning mindset. They understand that education is not limited to formal institutions but extends throughout their lives. They actively seek opportunities for continuous learning and personal growth.

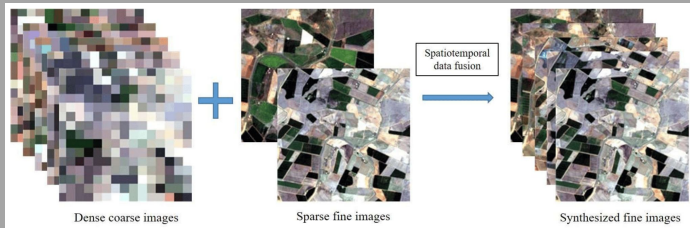
In conclusion, students are at the forefront of redefining education through their innovative ideas and approaches to learning. As the Director of LNCTMCA, I wholeheartedly support these student-driven initiatives and encourage our institution to embrace them. By fostering an environment that nurtures creativity, collaboration, and adaptability, we empower our students to become lifelong learners who are well-equipped to thrive in an ever-changing world.

Unveiling the Blend: The Fusion of Art and Science in Images

In the realm of visual storytelling, image fusion stands as a beacon of creativity and innovation. This technique, a perfect marriage of art and science, involves merging multiple images to create a single, more comprehensive and visually impactful composition. Imagine taking the best elements from each image and weaving them together into a harmonious visual tale. This is image fusion – a delicate process with diverse methods.



**Mr. Ripusoodan
Sharma(Asst. Prof)**



Spatial domain fusion, akin to mixing colors on a canvas, tweaks pixel values directly. Transform domain fusion, like a musical remix, involves converting images into different forms before merging. Feature level fusion extracts key components for emphasis.

The applications span vast domains. In Earth observation, satellite images are seamlessly integrated for tasks ranging from urban planning to disaster management. In medicine, image fusion combines data from various scans, aiding precise diagnoses. Even night vision relies on image fusion to blend visible and infrared light.

As technology evolves, machine learning and AI are becoming instrumental in the fusion process. These technologies analyze large datasets to autonomously select the best fusion approach, pushing the boundaries of this artful science.

In a world of pixels and possibilities, image fusion is not just a technique – it's a glimpse into the future of visual storytelling, where the marriage of creativity and data paints a breathtaking canvas of endless potential.

"Change your thoughts, and you change your world."

LAKSHMI NARAIN COLLEGE OF TECHNOLOGY - MCA

Unleashing the Power of Advanced Computer Networks

In today's rapidly evolving technological landscape, advanced computer networks have emerged as the backbone of modern communication and information exchange. These intricate systems of interconnected devices and infrastructure are propelling us into a future where connectivity knows no bounds. From 5G revolutionizing mobile experiences to the Internet of Things (IoT) seamlessly integrating our surroundings, advanced computer networks are at the heart of it all.



Prof. (Ms.) Karuna Vishwakarma
Assistant Professor
LNCT Group of collage,
Bhopal



The advent of 5G networks has brought unparalleled speed and responsiveness, enabling real-time data transfer and transforming industries like healthcare, autonomous vehicles, and entertainment. With faster download and upload speeds, as well as reduced latency, 5G is shaping a world where instant communication is the norm. Moreover, the Internet of Things is weaving a web of interconnected devices, from smart thermostats and wearable gadgets to industrial sensors and smart cities. Advanced networks facilitate the exchange of data between these devices, enabling us to optimize processes, conserve resources, and enhance our daily lives. The rise of edge computing, an offshoot of advanced networking, further elevates the potential of these networks. By processing data closer to the source rather than in centralized data centers, edge computing reduces latency and accelerates decision-making, critical for applications like real-time analytics and AI-powered systems. However, these advancements also raise concerns about cybersecurity and privacy. As networks become more complex, ensuring data protection and network integrity becomes paramount. In conclusion, advanced computer networks are revolutionizing the way we live and work.

"Courage is not the absence of fear; it's the triumph over it."

The Role and Evolution of Intrusion Detection Systems

The evolving threat landscape demands IDS to offer not just detection but also forensic capabilities. They provide a digital trail that helps in analyzing incidents, understanding the attacker's tactics, and strengthening future defenses.

IDS is not solely a reactive technology; it can actively contribute to proactive threat hunting. Security teams can use IDS data to search for hidden threats and vulnerabilities within their networks. The ability to customize IDS rules allows organizations to tailor their intrusion detection strategies to their specific needs, addressing industry-specific threats and compliance requirements. IDS can be deployed in various network segments, such as internal, external, and perimeter networks, offering a multi-layered approach to security.

Real-time alerting is a cornerstone of IDS. When suspicious activity is detected, IDS promptly sends alerts to security personnel, enabling swift response and mitigation actions. Machine learning and behavioral analysis, integrated into IDS, enable the identification of zero-day attacks and previously unknown vulnerabilities, staying one step ahead of attackers. IDS is not a standalone technology; it often integrates with Security Information and Event Management (SIEM) systems, creating a centralized platform for monitoring, analysis, and response to security events. As organizations embrace cloud computing and hybrid infrastructures, IDS solutions are adapting to protect data and workloads in cloud environments.

Security is a shared responsibility, and IDS empowers organizations to actively participate in the defense of their digital assets by providing real-time insights into potential threats. Intrusion Detection Systems are not just tools; they are essential components of our digital defense strategy. As threats evolve and become more sophisticated, IDS continues to evolve and adapt, ensuring that our digital fortresses remain resilient in the face of an ever-changing cyber landscape. Intrusion Detection Systems stand as a testament to our commitment to secure cyberspace. Their vigilance and adaptability are instrumental in preserving the integrity, privacy, and security of our interconnected digital world.



Prof. (Smt.) Anshu Gangwar
Assistant Professor
LNCT Group of collage,
Bhopal

Seminar on corporate Experience

Seminar on Roadmap with Milestone from Institute to Corporate by Mr. Asif Ansari, Founder and CEO, Boostup Digital, Bhopal on 01-03-2023.



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DEPARTMENT OF MCA
LNCT GROUP OF COLLEGES, BHOPAL
ORGANISING

SEMINAR ON
Roadmap with Milestone
from Institute to Corporate

01ST MARCH 2023
2 PM to 3:30 PM

Coordinator: **Dr. Alka Gulati**
Director: **Dr. Sanjay Bajpai**

SPEAKER
Mr. Asif Ansari
Founder & CEO - Boostup Digital

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Mind Storming Debate Competition

Debate held on Mind Storming – IT and Computer Application on 02-03-2023. Total 25 students participated in the competition



LNCT GROUP OF COLLEGES
30th Anniversary
DEPARTMENT OF COMPUTER APPLICATION
LNCT MCA
ORGANISING
Debate Competition
Mind Storming
IT AND COMPUTER APPLICATION
02nd MARCH 2023

Students Coordinators :
• Devbrat Mukherjee (9098356621)
• Aditya Jha (6202347589)
• Dipanshu Malviya (7999374551)

Dr. Sanjay Bajpal
Director LNCT, MCA
Faculty Coordinator:
Diksha Tripathi, Kanak Soni

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Video Clip Making Competition

Video Clip Competition on Women Empowerment is organized on 9-3-2023.



LNCT GROUP OF COLLEGES
DEPARTMENT OF COMPUTER APPLICATION
LNCT GROUP OF COLLEGES, BHOPAL
ORGANISING
VIDEO CLIP CONTEST
On the Occasion of International Women's Day
9th MARCH 2023
Theme :
1. Empowering Women, Empowering Humanity
2. Celebrating Women's Achievement in the field of Technology
3. Women's Presentation in the Society
Students Coordinator - 1. Rishu Kumar 2. Shubhi Jain
3. Abhinav Dwivedi 4. Bhoop Singh 5. Aditya Jha
Coordinator: Dr. Alka Gulati, Prof. Mahesh Bagwani
Director LNCT MCA - Dr. Sanjay Bajpai
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Expert Lecture

Expert Lecture on Future Trends in Salesforce technology and Innovation by Mr. Abhishek Gangele (Associate Software Engineer, Fexle, Jaipur) on 14-3-2023.



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"WORKING TOWARDS BEING THE BEST"

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DEPARTMENT OF COMPUTER APPLICATION
LNCT GROUP OF COLLEGES, BHOPAL
ORGANISING

EXPERT TALK ON

Future Trends in Salesforce Technology and Innovation

14th MARCH 2023
12 PM TO 1:50 PM

Coordinator:
Dr. Kavita Kanathay
Director: LNCT-MCA
Dr. Sanjay Bajpai

SPEAKER
Abhishek Gangele
ASSOCIATE SOFTWARE ENGINEER
FEXLE, JAIPUR

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Debate Competition

LNCT UNIVERSITY
Department of Computer Application
LNCT-MCA

DEBATE
COMPETITION
MIND STROMING
(IT and Computer Application)



Date :- 02 March 2023

Organised By

- DEVBRAT MUKHERJEE (9098356621)
- ADITYA JHA (6202347589)
- DIPANSHU MALVIYA (7999374551)

Director LNCT-MCA
 DR .Sanjay Bajpai

Faculty Coordinator

- Diksha Tripathi
- Kanal Soni



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Chitrakala Competition



Industrial visit

Industrial visit to Fintechedu Solutions Pvt Ltd, Bhopal on 16-3-2023.



"The power of positivity can transform ordinary days into extraordinary journeys."

Alumni Meeting

MCA-2020 Batch Interact with MCA-2022-24 Batch” and Share their Experience and clear the Doubt about Training & Placements at the Campus Computer Application Department of the LNCT University, Bhopal



"Success is the echo of determination reverberating through time."



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Thank You

Lakshmi Narain College of Technology-MCA