



**JNCT**  
LNCT Group of Colleges

**LNCT<sup>SM</sup>**  
GROUP OF COLLEGES  
"WORKING TOWARDS BEING THE BEST"

NEWSLETTER & MAGAZINE

# DIGITAL THREADS

Volume 6 (January 2025)



## ABOUT US

JNCT, Bhopal, fosters a culture of innovation and technical excellence, preparing students to solve global challenges. With a focus on emerging technologies and research, it shapes the next generation of engineers.

## HOD MESSAGE

Our CSE Department provides a strong foundation in Data Structures, Algorithms, Operating Systems, and Computer Networks, equipping students with problem-solving skills and an innovation-driven mindset to thrive in the tech industry

## CSE DEPARTMENT

The future belongs to those who embrace change and drive innovation. We aim to empower students with knowledge, creativity, and industry-ready skills. Stay passionate, stay innovative, and transform ideas into reality!



[facebook.com/jnctbhupal.ac.in/](https://facebook.com/jnctbhupal.ac.in/)



[x.com/jnctbhupal\\_](https://x.com/jnctbhupal_)



[www.jnctbhupal.ac.in/](http://www.jnctbhupal.ac.in/)



[jnctbhupal.ac.in](https://jnctbhupal.ac.in)



New Chouksey Nagar,  
Berasia Road, Bhopal

# Vision & Mission of Department

## Vision

To cultivate proficient computer professionals capable of addressing the diverse technical challenges across industry, research, and academia, all while maintaining a strong commitment to serving humanity and our nation.



## Mission 1

To provide exemplary educational facilities that foster the teaching and learning processes for computer science and engineering students, empowering them to build promising careers.

## Mission 2

To cultivate an environment conducive to advancing core competencies in computer science and engineering, encouraged by robust research endeavors.



## Mission 3

To facilitate conferences, seminars, and hands-on training programs aimed at acquainting students, staff, and faculty with the latest technological developments in computer science and engineering.

# PEOs AND PSOs Of Department

## Program Educational Objectives (PEOs)

**PEO-1.** Equip graduates with the ability to apply their knowledge of computer science and engineering to analyze, design, and develop software solutions.

**PEO-2.** Prepare graduates for employment opportunities in diverse sectors, including the software industry, academia, public and private sectors, as well as higher education and entrepreneurship.

**PEO-3.** Enable graduates to utilize the latest skills, techniques, and engineering tools to effectively address computer science and engineering challenges within industrial, social, and environmental contexts.

**PEO-4.** Cultivate professionalism, ethical values, effective communication skills (both written and oral), and teamwork abilities while fostering a strong sense of social responsibility.

## Program Specific Outcomes (PSOs)

**PSO-1.** Proficiency in foundational areas such as Data Structures, Database Management Systems, Software Engineering, Computer Networking, and Operating Systems.

**PSO-2.** The ability to design and develop software projects utilizing principles of computer science and open-source software tools.

**PSO-3.** Application of theoretical and modern computer science knowledge to problem-solving in domains such as web and mobile application development, database management systems, and network security.

**PSO-4.** Utilization of acquired learning and knowledge to enhance personal development and contribute positively as responsible citizens.

# Tech Trends & Future Scope

**Quantum Computing: The Next Frontier in Technology** In September 2024, the tech world witnessed a groundbreaking milestone with Google's Quantum AI lab achieving quantum supremacy 2.0. By surpassing classical computers in solving complex calculations, this advancement brought quantum computing closer to real-world applications in cryptography, AI, and scientific research. Leveraging qubits and quantum entanglement, quantum computers process data at unprecedented speeds, solving problems that would take traditional computers years to compute. Companies like IBM, Google, and Intel are racing to build more stable and scalable quantum processors, making this technology a game-changer for industries ranging from finance to drug discovery. As quantum computing advances, it marks a paradigm shift in problem-solving and computation, promising a future where technology transcends current limitations, unlocking new possibilities in AI, security, and beyond.



# Student Result Analysis

## IV Semester

	Enrollment No	Student Name	CGPA
1.	0131CS221057	BITTU KUMAR	8.30
2.	0131CS221168	SAKSHI GUPTA	8.21

## VI Semester

	Enrollment No	Student Name	CGPA
1.	0131CS211110	SHRUTI RAJ	8.89
2.	0131CS211015	AKASH SANGOI	8.49

## VIII Semester

	Enrollment No	Student Name	CGPA
1.	0131CS201107	SHIVANI TIWARI	8.99
2.	0131CS201050	HIRDHYA VOHRA	8.97



# Campus Record & Placement Highlights

## JNCT PLACEMENTS 2025

S.no.	Name	Company	LPA
1.	Satya Prakash Patel	Quantify , Capgameni	7.25 , 4.25
2.	Dev Reddy	Capgameni , Cognizant	4.25, 4
3.	pallavi samanta	TCS , Cognizant , Newgen	3.6, 4,, 4.25
4.	Raksha Chourasia	TCS , Newgen	3.6, 4.25
5.	Akash Sangoi	TCS , Cognizant , Newgen	3.6, 4, 4.25
6.	Kanishka Verma	TCS, Capgameni	3.6, 4.25
7.	Siddharth Rajput	Infosys , Capgameni	3.6, 4.25
8.	Shruti Raj	Capgameni , Cognizant	4.25
9.	Sneha Jain	ORACLE	6.5
10.	Sharad Chandra Reddy	Capgameni	4.25
11.	Rishab patel	G10X	4
12.	Manash deep jha	Cognizant	4
13.	Ashvani mahawar	LTIMindTree	4
14.	Muskan Rawandhe	TCS	3.6
15.	Nikhil Rusia	TCS	3.6
16.	Neetu Ahirwar	Newgen	4.25
17.	Ansh Vinamra Shrivastava	Newgen	4.25

### Star Achiever and Top Recruiters



# Department Events & Workshops

## Business Buzz'24



On September 27, 2024, the Entrepreneurship Cell (E-Cell) of JNCT, in collaboration with the Institution's Innovation Council (IIC), hosted 'Business Buzz'24.' This event provided a platform for students to present innovative business ideas and solutions, fostering a culture of entrepreneurship within the college community.

## WALMI (Water and Land Management Institute)

The visit provided our students with valuable hands-on experience and insights into the latest technologies and innovations in water and land management.



## Workshop on DSA and LeetCode



Workshop on DSA and LeetCode Problem Solving On October 4, 2024, the IIC at JNCT organized a workshop focusing on Data Structures and Algorithms (DSA) and LeetCode problem-solving techniques. The workshop aimed to enhance students' technical expertise and prepare them for real-world coding challenges.

The CSE department organizes seminars, workshops, hackathons, and tech fests to enhance learning beyond the classroom. These events provide hands-on experience, industry exposure, and opportunities to interact with experts, keeping students updated with the latest advancements in computer science and engineering.

# The Creative Hub

## Garba Night



A lively celebration of music, dance, and tradition, where students and faculty enjoyed dandiya beats and cultural festivities together.



## Road Safety Program

The Road Safety Program aims to spread awareness about traffic rules, safe driving habits, and accident prevention. It includes workshops, demonstrations, and awareness drives to promote responsible road behavior, ensuring safer streets for all.



## Rank Ceremony



Congratulations to our NCC cadets on their well-deserved rank promotions! We are proud of your hard work, dedication, and commitment to serving the nation. Your leadership skills and discipline are an inspiration to us all!

## Orientation Programme 2024

In September 2024, JNCT conducted an Orientation Programme for new students across various departments, including Computer Science Engineering (CSE), Artificial Intelligence and Machine Learning (AIML), Artificial Intelligence and Data Science (AIDS), Electronics and Communication Engineering (ECE), Electronics and Instrumentation Engineering (EX), and Mechanical Engineering (ME). The program aimed to familiarize students with the college environment, academic expectations, and available resources.



Beyond academics, this section highlights extracurricular activities, cultural events, sports achievements, and student club initiatives. It showcases the all-round development of students, encouraging creativity, teamwork, and leadership beyond the classroom.



# MoU with Industries

## Netelligent (MoU Signed on 26th August 2024) till now



- Aims to provide technical training, industry exposure, and project-based learning for students.
- Focuses on cloud computing, cybersecurity, and software development.

## CODETANTRA Tech Solutions Pvt. Ltd. (MoU Signed on 17th August 2023) till now

- Specializes in AI-driven learning platforms for programming and coding.
- Provides students with hands-on coding practice, assessments, and industry-relevant skill enhancement.



## Neeraj Institute of Technical Department (MoU Signed on 8th December 2024) till now



- Offers training programs, workshops, and certification courses to enhance professional skills.
- Helps students develop technical and managerial expertise required in the industry.

Beyond academics, this section highlights extracurricular activities, cultural events, sports achievements, and student club initiatives. It showcases the all-round development of students, encouraging creativity, teamwork, and leadership beyond the classroom.

# NPTEL Achievers

 **Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DEV REDDY**  
for successfully completing the course

**Computer Networks and Internet Protocol**

with a consolidated score of **80 %**

Online Assignments	24.06/25	Proctored Exam	56.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **9310**

Jan-Apr 2024  
(12 week course)

  
Prof. Naimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

 Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS198452902638 To verify the certificate  No. of credits recommended: 3 or 4

 **Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**RAJAN SINGH**  
for successfully completing the course

**Cloud Computing**

with a consolidated score of **76 %**

Online Assignments	21.56/25	Proctored Exam	54.34/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **23872**

Jan-Apr 2024  
(12 week course)

  
Prof. Naimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

 Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS175352903269 To verify the certificate  No. of credits recommended: 3 or 4

 **Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**VIVEK AGRAWAL**  
for successfully completing the course

**Programming in Java**

with a consolidated score of **60 %**

Online Assignments	24.56/25	Proctored Exam	35.51/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **14693**

Jan-Apr 2024  
(12 week course)

  
Prof. Naimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

 Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS435952900277 To verify the certificate  No. of credits recommended: 3 or 4

# Faculty Achievement

Prof. Abhishek Singh, Department of Computer Science and Engineering

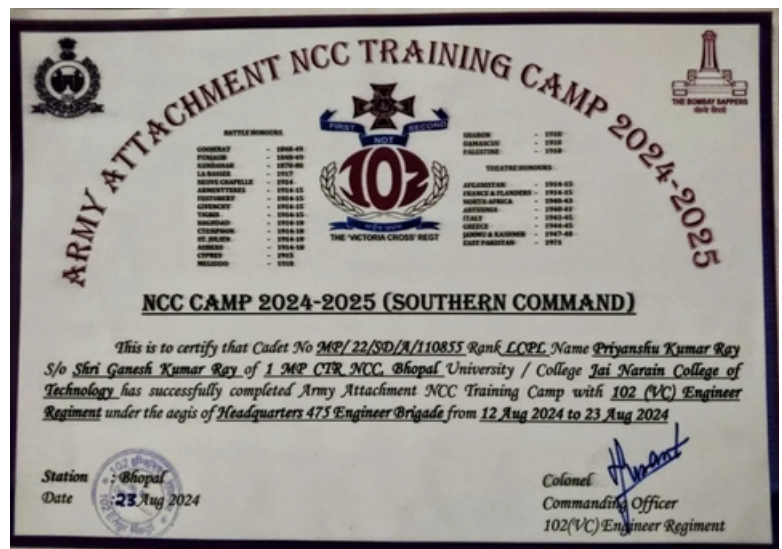
- Published on "The Role of AI in Start-Up Innovation: Driving Efficiency Competitive Edge".in International Journal for Research in Applied Science Engineering Technology, Volume 12, Issue VIII, August 2024.
- Paper Published on "Harnessing Artificial Intelligence for Start-Up Growth: Opportunities, Challenges, and Ethical Considerations" in International Journal for Research in Applied Science Engineering Technology, Volume 12, Issue Vill, August 2024.
- Faculty development program on "Innovative Curricula: Aligning Higher Education with Industry Advancements" organized by Amity School of Engineering and Technology Madhya Pradesh, from Aug 04, 2024 to Aug 10, 2024.
- Faculty development program on "Quantum Information Advance Computing Modern Edge with Industrial Alignments" organized by Amity School of Engineering and Technology Madhya Pradesh from Aug 01, 2024 to Aug 03, 2024.

## Student's Corner

### Student Message

I am grateful for the lessons, friendships, and memories I made during this journey, and I encourage every student to experience this life-changing opportunity.

"UNITY AND DISCIPLINE — NOT JUST WORDS, BUT A WAY OF LIFE."



"In the world of algorithms and dreams, we are the architects of tomorrow."





**JNCT**  
LNCT Group of Colleges



# Contributors of Digital Threads

## Message for the Next Session

Dear Students, A new session is a fresh start—an opportunity to learn, innovate, and excel. Stay curious, embrace challenges, and push yourself beyond limits. Participate actively, seek knowledge, and turn ideas into reality. Let's work together to make this year a journey of growth, creativity, and success!

Best wishes,  
Department of Computer Science & Engineering  
JNCT, Bhopal

Chief Editor  
Dr. Vivek Dubey

Editor  
Dr. Ayonija Pathre

Principal  
Dr. N. P. Singh  
Dean Academic  
Dr. B. L. Rai

Faculty Coordinator  
Prof. Ravinder Tanwar  
Prof. Pushendra Kumar

Student Coordinator  
Vishwajeet Gupta  
Teena Sahu

Contact us : 7440777555 , 8878781752 , 8878781753

Address : New Chouksey Nagar, Lambakheda,  
Bairasia Road, Bhopal-462038



[contact@jnctbhopal.ac.in](mailto:contact@jnctbhopal.ac.in),  
[info@jnctbhopal.ac.in](mailto:info@jnctbhopal.ac.in)