DIGITAL THREADS

Volume 4 (January 2024)

ⓘ ABOUT US

JNCT, Bhopal, integrates traditional values with modern engineering education, fostering a culture of innovation and research. With cutting-edge infrastructure and industry collaboration, the institution prepares students for global challenges.

HOD MESSAGE

The CSE Department emphasizes fundamental computing principles, covering Data Structures, Algorithms, Operating Systems, Computer Networks, and Database Management Systems. Our programs encourage research, problem-solving, and hands-on learning for industry-ready graduates.

CSE DEPARTMENT

We believe in bridging theory with practice to create future-ready professionals. Our students are encouraged to explore, innovate, and contribute to technological advancements. Stay focused, stay inspired, and redefine possibilities!

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

Our mission is to provide quality education that empowers students for successful careers, foster core competencies through research, and enhance learning via conferences, seminars, and hands-on training. We aim to instill self-motivation, responsibility, and strong ethical values in our students.

Mission 2

To nurture skilled computer professionals who can tackle diverse technical challenges in industry, research, and academia, while upholding a strong commitment to serving humanity and the nation.

Mission 3

We are committed to excellence in science and technology education by providing state-of-the-art infrastructure and high-quality learning. Our goal is to produce world-class engineers and future leaders who contribute to the nation and the global community.

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

AI-Powered Assistants & Automation Boom The latter half of 2023 saw a surge in AI-powered personal assistants and automation tools, transforming industries. Microsoft's Copilot, deeply integrated into Windows 11 and Office 365, redefined workplace productivity, while Google Bard evolved with advanced reasoning and multimodal capabilities. AI automation in software development, healthcare, and customer service became mainstream, enhancing efficiency and reducing manual effort. OpenAI's custom GPTs allowed businesses to tailor AI models for specialized tasks, further expanding AI's practical applications. With AI-driven automation reshaping industries, the focus shifted towards ethical AI, regulations, and responsible innovation, paving the way for a more structured AI-driven future.

Student Result Analysis

IV Semester

	Enrollment No	Student Name	CGPA
1.	0131CS211110	SHRUTI RAJ	9.08
2.	0131CS211099	SATYA PRAKASH PATEL	8.67

VI Semester

	Enrollment No	Student Name	CGPA
1.	0131CS201107	SHIVANI TIWARI	9.04
2.	0131CS201050	HIRDHYA VOHRA	9.02

VIII Semester

	Enrollment No	Student Name	CGPA
1.	0131CS191006	ADNAN KHAN	9.23
2.	0131CS191009	AMAN PANDEY	9.07

Campus Record & Placement Highlights

JNCT PLACEMENTS 2024
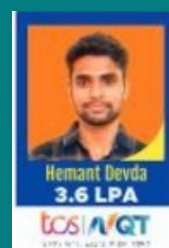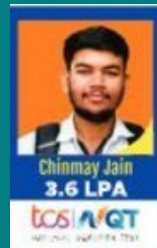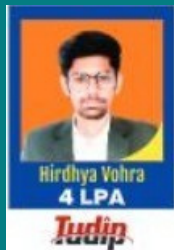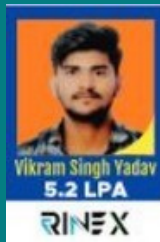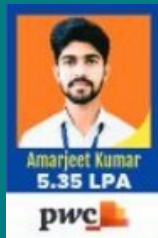
Amarjeet Kumar
5.35 LPA
pwc

Vikram Singh Yadav
5.2 LPA
RINEX

Shubham Singh
5.2 LPA
RINEX

Deeksha Sanodiya
4.25 LPA
Capgemini

Hirdhya Vohra
4 LPA
Tudip

Ankita Raj
3.6 LPA
tcs NQT

Chinmay Jain
3.6 LPA
tcs NQT

Hemant Devda
3.6 LPA
tcs NQT

Shivani Tiwari
3.6 LPA
tcs NQT

Uttam Chandrawanshi
3.3 LPA

Ankit Singh Solanki
3 LPA
DBG

Anuj Kumar
3 LPA
ANDRITZ Hydro

To nurture skilled computer professionals who can tackle diverse technical challenges in industry, research, and academia, while upholding a strong commitment to serving humanity and the nation.

Star Achiever and Top Recruiters

Abhishek Sagar
7 LPA
tcs NQT

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Persistent
accenture
CISCO
pwc
adani
Mindtree
tcs TATA CONSULTANCY SERVICES
BYJU'S The Learning App
Infosys
Capgemini
quantiphi
wipro
DXC.technology
HEXAWARE
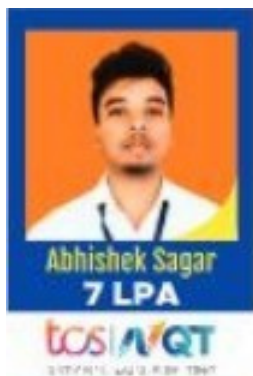
Department Events & Workshops

TechSpark 2024 : Ignite Your Innovation

An innovation-centric event organized by the Artificial Intelligence, Machine Learning, and Data Science (AIML/AIDS) Department, TechSpark 2024 encouraged students to showcase their innovative projects and ideas, fostering a culture of creativity and technological advancement.

National Mathematics Day

JNCT celebrated National Mathematics Day with a series of events, including lectures, quizzes, and competitions, to honor the contributions of mathematicians and promote interest in the field of mathematics among students.

Workshop

Workshop on Cloud Computing The Department of Computer Science Engineering (CSE), Artificial Intelligence and Machine Learning (AIML), and Artificial Intelligence and Data Science (AIDS) at JNCT organized a workshop on Cloud Computing. The workshop aimed to educate students on the fundamentals and applications of cloud computing, empowering them with the latest industry trends and skills.

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

Expert lecture on Digital Marketing

An insightful session on Digital Marketing covering key concepts like SEO, social media strategies, content marketing, and analytics. The expert shared industry trends, career opportunities, and practical tips to enhance online presence, helping students understand the evolving digital landscape.

Amrit Kalah Program

As per the initiative by the Ministry of Education, Government of India, and AICTE, the Nature Club of JNCT organized the "Meri Maati Mera Desh" campaign. Under this initiative, the "Amrit Kalash" program was observed at JNCT from October 1 to October 13, 2023

NCC Enrolment Program

A journey of leadership, discipline, and service to the nation, JNCT College, Bhopal. Proudly offers student enrolment in its National Cadet Corps (NCC), where you can become a part of a rich tradition of patriotism and personal development.

Blood Donation Campaign

The Blood Donation Camp at JNCT aimed to save lives and promote social responsibility. Organized in collaboration with healthcare professionals, the camp encouraged students and staff to donate blood voluntarily.

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.

Faculty Achievement

Prof. Kalapna Mishra, Department of Computer Science and Engineering

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- **Focuses on improving vehicle-to-infrastructure communication for road safety International Journal Publication (2023): Published in International Journal of Engineering Science and Innovation Technology Title: Multi-Model Image Fusion for Medical Image Enhancement Research enhances medical image clarity and accuracy for improved diagnostics Faculty Development Programs (FDPs) 3-day FDP on Soft Skills (9th-11th February 2023) Organized by St. Paul Institute of Professional Studies, Indore (MP), Research Foundation of India (RFI) & RFI CARE Focused on communication, leadership, and personality development 7-day FDP on Latest Trends & Techniques in Software Engineering (January 2024) Covered emerging methodologies and best practices in software development**
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Prof. Ravinder Tanwar, Department of Computer Science and Engineering

- **Faculty Development Programs (FDPs) 5-day FDP on Design Development and Implementation of E-Learning Courses (31/07/23-4/08/23) Organized by NITTTR, Bhopal (MP), Ministry of Education, Govt. of India.**

Student's Corner

"Code की दुनिया"

हर कोड में छुपा है एक सपना,
Every logic carries a dream.
Error के अंधेरे में भी,
We find hope in every gleam.

Debugging करते करते सीखा है,
Patience का असली अर्थ,
हर फेल कंपाइल के पीछे,
छुपा होता है एक नई शुरुआत का पथ।

We are the coders, dreamers, creators,
Building futures, one error at a time.

~ Final year Student

"Every bug we fix today becomes a breakthrough tomorrow."

Contributors of Digital Threads

Message for the Next Session

A new session brings new possibilities! Let's approach this journey with enthusiasm, curiosity, and a commitment to growth. Embrace learning, collaborate, and take on challenges that push your limits. Stay focused, be innovative, and make the most of every opportunity. Together, let's create a future driven by knowledge and technology.

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. Pushpendra Kumar