



# LAKSHMI NARAIN COLLEGE OF TECHNOLOGY & SCIENCE, BHOPAL

Kalchuri Nagar, Raisen Road, P.O- Kolua, Bhopal - 462022 (M.P)

Department of Electronics and Communication Engineering LNCTS Bhopal

## Publicity Report of July 2023

- A National Conference has been organized by EC Department LNCTS on “Recent Advances in Electronics and Technology” from 30/06/2023 to 01/07/2023 for LNCT group of Colleges & outside it under the coordination of Dr. Soheb Munir (HOD, EC LNCTS).

**LNCT Group of Colleges, Bhopal**  
LNCT University, Bhopal

**Vision:**  
To be a premier institute where engineering education and research converge to produce engineers as responsible citizens.

**Mission:**

- To improve continually in the teaching-learning process by strengthening infrastructural facilities & faculty credentials.
- To undertake interdisciplinary research & development by expanding the faculty's competencies in curricular, co-curricular & industry collaborated projects towards problem solving.
- To enhance proportion of skilled based courses beyond curriculum to create more employable graduates.
- To inculcate human values, ethics, patriotism & responsibility in our outgoing engineers by providing conducive environment.



Lakshmi Narain College of Technology, Bhopal.



LNCT University

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Dr. Jyoti Mishra, IIT Guwahati  
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**Conference Organizing Committee**

**Chairman:**  
Dr. Sohei Changlun HOD, EC LNCT  
Dr. Sohei Munir HOD, EC LNCT&S

**Members:**  
Dr. Bhana Pratap Singh EC LNCT  
Dr. Prashant Chaturvedi EC LNCT  
Dr. Ashwin Bhargava EC LNCT&S

**Members:**  
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Prof. Rajesh Sharma Prof. Vinod Pathak Prof. Ravi Bhasan Roy  
Prof. Arun Patel Prof. Rajesh Chaturvedi Prof. Ganesh Jain  
Prof. Soheeb Munir Prof. Santosh Jha

**Address for Communication**

Dr. Bhana Pratap Singh +91-9798040474  
Dr. Prashant Chaturvedi +91-9109282779  
Dr. Ashwin Bhargava +91-9826230319

Phone: 0753-8185328



**National Conference on "Recent Advances in Electronics Engineering and Technology"**

30th June- 1st July 2023  
(Hybrid Mode)

Organized by  
Department of  
Electronics & Communication Engineering  
LNCT Group of Colleges, Bhopal  
LNCT University, Bhopal

30th and 31st in online mode  
Kalchuri Nagar, Raisen Road, Bhopal-462022  
Phone: 0753-8185300, Fax: 8185305  
Website: www.Lnct.ac.in | www.Lnctu.ac.in

**About LNCT Group of Colleges:**

LNCT Group of Colleges comprises of Lakshmi Narain College of Technology (LNCT) Bhopal, a premier institute of the North Central India Science (LNCT&S) (founded in 2006) by H. K. Kalchuri Education Trust, Bhopal along with Lakshmi Narain College of Technology Excellence (LNCTE) in 2007. All the PG and UG courses of the institutes are approved by the AICTE Government of India, recognized by Department of Technical Education, Govt. of M. P., Bhopal and are affiliated to Rajiv Gandhi Pratap College of Engineering, State Technical University Bhopal, LNCT is one of the first institutions of M. P. to be accredited by NBA for 5 years. LNCT University, established in 2012 is a symposium with excellence in higher education. A premier institution providing excellent teaching in Engineering, Management, Pharmacy, Medical, Agriculture, Agriculture science, Paramedical, Law and other recurring professional studies. It is among the one of the Top University of central India and has always stood in the forefront in meeting the ever-growing challenges. To meet the ever-growing demand of higher education in India and abroad, LNCT University has started various professional courses like Masters & Doctoral-level programs. The LNCT Group is committed to excel in areas of engineering, technology, pharmacy and management by enhancing its facilities.

**Department of Electronics & Communication Dept.**

The Department of Electronics and Telecommunication Engineering established in the month of 30. The department has undergone numerous developments under the guidance of management and faculties, the department is now known as Department of Electronics and Communication Engineering and has a present intake of 180. It also offers postgraduate degree program in Very Large-Scale Integration (VLSI) Design with intake of 24. The department has qualified and experienced faculty well-versed with in various specializations.

**About Bhopal:**

Bhopal is a city in the central Indian state of Madhya Pradesh. It's one of India's greenest cities. There are two main lakes, the Upper Lake and the Lower Lake. It is well connected by railway, highways and airways to various parts of India.

**Objectives and Scope of the Conference:**

This conference is being organized to provide a unique opportunity for exchanging scientific, research and technological achievements accomplished by the technical community. This conference is intended to attract individuals who are actively engaged both in theoretical and practical aspects of emerging research areas in the fields of Engineering and Applied Science. The goal is to provide a platform for useful exchange of scientific research and technical achievements between theoreticians and practitioners and to foster the cross-fertilization of ideas.

**Thrust Areas of the Conference:**

- Artificial Intelligence and Neural Network
- Communications Technologies for Remote Locations
- Organic Electronics and Optoelectronics Circuits
- Control and Automation Systems
- E-waste Avoidance and Disposal
- 5G & 6G Mobile Technology
- Internet of Things (IoT)
- Advances in Magnetic Field Sensors
- RFID and Sensor Network
- Photonic Crystal Amplifier
- Signal and Image Processing
- Laser Technology and Fiber Sensors
- VLSI Circuit Design and CAD Tools
- Wireless Communication and Smart Antenna

Authors are invited to submit their manuscripts strictly in MS-Word or PDF format. All submitted papers will be handled electronically and would be reviewed by at least two independent reviewers in the relevant area. Please submit your paper on both of following email: [conference@lnct.ac.in](mailto:conference@lnct.ac.in), [lnctnstrategic@lnct.ac.in](mailto:lnctnstrategic@lnct.ac.in)

Submission of Abstract: 12/6/2023  
Submission of Full Length Paper: 14/6/2023  
Notification of acceptance: 22/6/2023  
Registration: 29/6/2023

Registration Fees For:  
Industry delegates: Rs. 1000/-  
Faculty (I&D institutions (per Author): Rs. 500/-  
Research Scholar/Students (per Author): Rs. 300/-

Payment Mode:  
The registration fee will be accepted in ICICI Bank account number: 318005000508. IFSC Code: ICIC0001100. Mode of electronic transfer available in the bank by NEFT.

NEFT and other bank transfer will be verified on next working day. For verifying you have to submit transfer account proof and SVI Author card with date and transaction reference number (UTR) number) to the organizing secretary of the conference.

Accommodation & Transport:  
Only limited accommodations are available in the institute guest house on a first-come first-served basis. However, accommodation can be arranged in hotels by paying the tariff charges in advance. Cabs, auto rickshaws are also available to visit campus.

**REGISTRATION FORM**

**National Conference on "Recent Advances in Electronics Engineering and Technology"**

30th June- 1st July 2023

Name: (Dr./Prof./Mr./Ms.) .....

Designation: .....

Category: (Academics/ Industrialist/Student/Research Scholar) .....

Qualification: .....

Mailing Address: .....

Mobile/Phone No.: .....

Email id: .....

Title of paper: .....

Co-author: .....

Accommodation required (Yes/No) .....

Registration Fee Details  
DD No./UTR No. ....

Issuing Bank: ..... Date: .....

Amount: .....  
Registration Link: <https://forms.gle/D5GecE2KaR8gk8>

QR Code for registration fee

Signature of forwarding authority (With seal)





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NATIONAL CONFERENCE 2023



Department of EC in Association with IEEE student Branch is organized Hybrid mode two days National conference on Recent Advances in Electronics and Technology



Department of EC in Association with IEEE student Branch is organized Hybrid mode two days National conference on Recent Advances in Electronics and Technology





**Broad Areas for Virtual Labs**

- Electronics and Communication Engineering
- Computer Science and Engineering
- Electrical Engineering
- Mechanical Engineering
- Civil Engineering
- Chemical Engineering
- Biomedical and Biotechnology Engineering
- Chemical Sciences
- Physical Sciences

Image Courtesy: Virtual Labs IIT Delhi

Virtual Labs

11:10 AM | ujc-digor-zhc

**National Institute of Technology Karnataka, Surathkal**

**CENTRE FOR SYSTEM DESIGN**

11:11 AM | ujc-digor-zhc

**Familiarisation with Resistor**

### Color Code for Resistor

Color	Digit	Multiplier	Tolerance %	Color Band
Black	0	$10^0 \Omega$		
Brown	1	$10^1 \Omega$	1	
Red	2	$10^2 \Omega$	2	
Orange	3	$10^3 \Omega$ (1 K $\Omega$ )		
Yellow	4	$10^4 \Omega$ (10K $\Omega$ )		
Green	5	$10^5 \Omega$ (100K $\Omega$ )	0.5	
Blue	6	$10^6 \Omega$ (1M $\Omega$ )	0.25	
Violet	7	$10^7 \Omega$ (10M $\Omega$ )	0.1	

Simulation 1

1.

Enter the resistance value:

Enter the tolerance: +/-  %

Incorrect resistance value      The value of resistance is 47  
Correct Unit Value                      The unit is k $\Omega$   
Correct Tolerance Value                The value of tolerance is 5

11:24 AM | ujc-digor-zhc



# LAKSHMI NARAIN COLLEGE OF TECHNOLOGY & SCIENCE, BHOPAL

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The screenshot displays a virtual lab environment with a browser window open to a page titled "Verify the truth table of RS, JK, T and D flip-flops using NAND & NOR." The main content area shows a circuit diagram for an SR flip-flop implemented using a 7400 NAND gate IC. The circuit includes a power supply section with a red "POWER" button, two switches labeled "S" and "R", and a "Clock" button. The 7400 NAND gate has pins 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, and 13. Pin 13 is connected to Vcc, and pin 8 is connected to GND. The circuit uses two NAND gates to implement the SR flip-flop. The outputs are labeled Q and Q-bar, each connected to a 330 ohm resistor (R1 and R2) and a green LED. The interface also shows a sidebar with user avatars and a bottom status bar indicating the time as 11:28 AM and the user as ujc-dgor-zhc.