



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE, BHOPAL

Department of Electronics and Communication Engineering LNCTE Bhopal

Publicity Report of July 2023

- A National Conference has been organized by EC Department LNCTE 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. Abhinav Bhargava (HOD, EC LNCTE).

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

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 engaging the faculty & students 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. Vijeta Jha, Waycool Foods and Products Pvt. Ltd

CONFERENCE ORGANIZING COMMITTEE

Chair: Dr. Sani Chughani, HOD, EC LNCT
Dr. Sushil Kumar, HOD, LNCTAS

Members: Dr. Bhansu Pratap Singh, EC LNCT
Dr. Abhinav Bhargava, EC LNCTAS

Members: Dr. G. Kumar, Dr. Zahid Alam, Dr. L. N. Sahasrabudhe, Dr. Ashwani Gupta, Dr. Deepak Soni, Dr. Tarun Verma, Dr. Jyoti Choudhary, Prof. Vinod Pathak, Prof. Rajesh Choudhary, Prof. Vinod Pathak, Prof. Gourabhanu Panigrahy, Prof. Shradha Shrivastava, Prof. Sambhosh Jha, Dr. Monika Kapoor, Dr. Vijay Yadav, Dr. Abhishek Singh, Dr. Kamna Mishra, Dr. Nikhat Mishra, Prof. Ravi Bhasan Roy, Prof. Sunny Jain

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30th Anniversary

**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

RD 901/2015, Central Institute
Kanchuri Nagar, Bawani Road, Bhopal-462021
Phone: 0755-6185300, Fax: 6185305
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 region (founded in 1993), Lakshmi Narain College of Technology & Science (LNCT&S) (founded in 2008) by H. K. Kachru Education Trust, Bhopal along with Lakshmi Narain College of Technology Excellence (LNCTE) in 2007. All the PIB and UIG 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 Ray Group of Institutions, Bhopal. LNCT Group of Colleges is one of the first institutes of M. P. to be accredited by NBA for 5 years. LNCT Group is one of the self-financing groups in M. P.

LNCT University, established in 2015 is a synonymous with excellence in Higher Education. A premier institution providing excellent teaching in Engineering, Management, Pharmacy, Medical, Ayurveda, 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 offers various programs, from Diploma, Bachelor's, Master's and Doctorate-level programs. The LNCT Group is committed to excel in areas of engineering, medical, technology, pharmacy and management by enhancing its quality standards in various specializations.

About Electronics & Communication Deptt.:

The Department of Electronics and Telecommunication Engineering established in 1984, with an intake of 60. The department has undergone numerous developments under the guidance of management and faculty. The department is now known as Department of Electronics and Communication Engineering and has a present intake of 100. It also offers Post-graduate degree program in VLSI Large-scale, Integration (VLSI) Design with an intake of 25. It is staffed with qualified and experienced faculty in all the above mentioned 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 railways, highways and airports 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 with both theoretical and practical aspects of emerging technologies in various areas of Engineering and Applied Sciences. The goal is to provide a professional and intellectual exchange of scientific research and technological achievements between the academics 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 in two columns with maximum 5 pages (IEEE format). All submitted papers will be handled electronically and would be reviewed by at least two independent researchers in the relevant area. Please submit your Indoec@lnct.ac.in, lnctpratsaps@lnct.ac.in or conference@lnct.ac.in

Submission Procedure:

Submission of Abstract	12/6/2023
Submission of Full Length Paper	14/6/2023
Notification of Acceptance	22/6/2023
Registration	28/6/2023

Registration Fees For:

Industry delegates	Rs. 1000/-
Faculty, R&D Institutions (per Author)	Rs. 500/-
Research Scholar/Students (per Author)	Rs. 300/-

The selected paper will be published in the inter-national journal (www.lnct.org) ISSN (Online):2456-3895. However all the accepted papers will be entered in conference proceeding.

Payment Mode:

The registration fee will be accepted in ICICI Bank account number-119000000506, IFSC Code: ICIC0001190. Mode of electronic transfer available in the bank's FREFT.

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

Accommodation & Transport:

Very limited accommodations are available in the institute guest house on first come first served basis. However, accommodations can be arranged in hotels by paying the tariff charges in advance. Cabs, auto rickshaw are also available to reach 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:

Organization:

Mailing Address:

Mobile/Phone No.:

Email id:

Title of paper:

Co-author:

Accommodation required (Yes/No):

Registration Fee Details

DD No./JTR No.:

Issuing Bank:

Amount: Date:

Registration Link: <https://forms.gle/D5GecE2xKa1R9gk8>

QR Code for registration fee



Signature
Signature of forwarding authority
(With seal)





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



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE, BHOPAL

- An Online Workshop has been organized by EC Department LNCTE on “Virtual Labs” in association with NIT KARNATAKA SURATHKAL on 28/07/2023 for LNCT group of colleges from 10:45AM to 12:45 PM under the coordination of Dr. Abhinav Bhargava (HOD, EC LNCTE) and Prof. Amit Kumar Singh Tomar (Associate Professor).

The poster features the LNCTF logo at the top left, followed by various institutional logos. The main text reads: "Lakshmi Narain College of Technology Excellence, Bhopal ISTE CHAPTER LNCTE Organising Workshop on Virtual Labs 28 th July 2023 | 11:00 AM In Association with NIT KARNATAKA SURATHKAL". It lists the Convener as Prof. Amit Kumar Singh Tomar and the Coordinator as Dr. Abhinav Bhargava, HOD EC LNCTE. At the bottom, it provides the website URLs (www.LNCT.ac.in, www.LNCTU.ac.in) and social media contact information (Follow Us on Facebook, Twitter, Instagram, WhatsApp) with the number 7440777111/222/555.

The slide displays three overlapping circles representing different types of virtual labs: "Modeling / Simulation Based" (green), "Measurement Based" (yellow), and "Remote Triggered" (blue). A blue figure is shown climbing a staircase labeled "AIM" (Closer to Reality) with an arrow pointing upwards labeled "Scalability". The slide is presented in a Zoom meeting interface with a list of participants on the right.

The slide lists various engineering and science disciplines: Electronics and Communication Engineering, Computer Science and Engineering, Electrical Engineering, Mechanical Engineering, Civil Engineering, Chemical Engineering, Biomedical and Biotechnology Engineering, Chemical Sciences, and Physical Sciences. Each discipline is accompanied by a small representative image (e.g., a circuit board, a DNA helix, a microscope). The slide is presented in a Zoom meeting interface with a list of participants on the right.



Shreshtha Udipi (Presenting)

National Institute of Technology Karnataka, Surathkal



CENTRE FOR SYSTEM DESIGN



11:11 AM | ujc-dgor-zhc

Participants: Sanket Choudhary, Arun Kumar Patel, Megha Kumbhojkar, Vijay Kumar Meshram, Shreshtha Udipi, 81 others

Shreshtha Udipi (Presenting)

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 Ω)		
Yellow	4	$10^4 \Omega$ (10K Ω)		
Green	5	$10^5 \Omega$ (100K Ω)	0.5	
Blue	6	$10^6 \Omega$ (1M Ω)	0.25	
Violet	7	$10^7 \Omega$ (10M Ω)	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 Ω

Correct Tolerance Value The value of tolerance is 5

11:24 AM | ujc-dgor-zhc

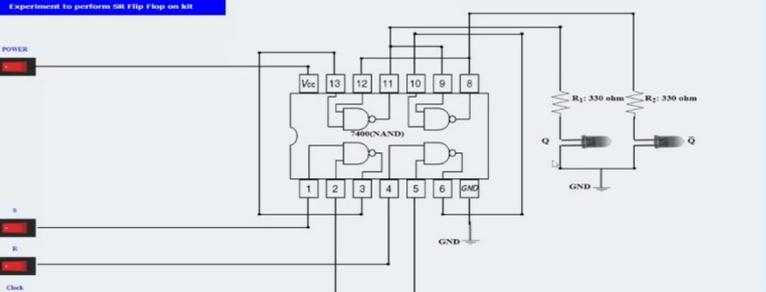
Participants: Sanket Choudhary, LET'S GO STUDY, Praveen Bhargava, Shreshtha Udipi, 94 others

Shreshtha Udipi (Presenting)

Verify the truth table of RS, JK, T and D flip-flops using NAND & NOR.

INSTRUCTIONS

Experiment to perform SR Flip Flop on IC



POWER: Vcc, GND

Inputs: S, R

Outputs: Q, Q-bar

Resistors: $R_1 = 330 \text{ ohm}$, $R_2 = 330 \text{ ohm}$

11:28 AM | ujc-dgor-zhc

Participants: Sanket Choudhary, Shreshtha Udipi, LET'S GO STUDY, Swatantra Jaiswal, 94 others