

URJA, ISSUE-I

NEWS LETTER, JAN-JUNE 2025

LAKSHMI NARAIN COLLEGE OF TECHNOLOGY, BHOPAL

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Vision

To impart knowledge of electrical and electronics engineering and mould students into world class professional to achieve excellence in engineering education.

Mission

- To impart quality education in Electrical and Electronics Engineering by providing strong theoretical and practical exposure to global standards.
- To nurture competent engineers with ethical values, leadership skills and a commitment to lifelong learning, enabling them to serve society responsibly.
- To promote research, innovation consultancy and industry collaboration for technological advancement and sustainable development.
- To create an environment that encourages creativity, entrepreneurship and professional excellence in the field of Electrical and Electronics Engineering.

Program Specific Outcomes (PSOs)

PSO-1	<i>Develop the ability to model, analyse, test and design using modern software and programming tools in the field of Electrical and Electronics engineering.</i>
PSO-2	<i>Capability to solve complex engineering problems in modern electrical and Electronics applications professionally to provide efficient and socially acceptable technical solution.</i>
PSO-3	<i>Apply project management techniques and computational skills to manage multidisciplinary such as green energy, AI tools etc. while adhering to professional ethics and environmental standards for sustainable industrial development.</i>

Program Educational Objectives (PEOs)

PEO-1	<i>Graduates will demonstrate the ability to apply fundamental knowledge of mathematics, science and engineering to identify, analyse and design innovative solutions for real world problems in Electrical and Electronics Engineering as demand of industry and society.</i>
PEO-2	<i>Graduate will develop the ability to design and implement efficient, cost effective and sustainable computing and electrical systems, using appropriate methodologies to meet the evolving technological demands of present scenario for society.</i>
PEO-3	<i>Graduate will be proficient in using modern engineering tools, software and techniques to solve complex engineering problems in a global, economic, environmental and social context.</i>
PEO-4	Graduates will exhibit professionalism, ethical behaviour and an understanding of the economic implications of their engineering solutions. Their well communication and team work, preparing them to take leadership quality in the practice of Electrical and Electronics Engineering.

Industrial Visit to 765/400 kV Substation INDIGRID

Students of Electrical & Electronics and Electrical Engineering of 2nd year Lakshmi Narain College of Technology, Bhopal were taken to an industrial visit at BHOPAL DHULE TRANSMISSION COMPANY LIMITED (BDTCL) 765/400 kV Substation ' INDIGRID ' Sukhi Sewaniya (Bhopal) on 15 January 2025.



An essay competition was organized on the occasion of Vishva Hindi Diwas in which students were actively participated. The purpose of organizing the competition was to make students aware about the importance of our mother tongue.



Department of Electrical and Electronics Engineering, Lakshmi Narain College of Technology (LNCT), Bhopal, successfully organized a one-day workshop entitled "**Model-Based Design using MATLAB and Simulink**". This event was held on 22/02/2025 at F8 Conference Hall. The workshop commenced with the welcoming of our Expert and resource person, Dr. Anand Singh, Professor, and Head, AICTE Idea Lab, LNCT, Bhopal.



The 8th edition of the Invest Madhya Pradesh – Global Investors Summit (GIS) was held on February 24-25, 2025, in Bhopal, the capital city of Madhya Pradesh. This biennial event, organized by the Department of Industrial Policy and Investment Promotion, aimed to showcase the state's investment climate and industrial infrastructure, offering numerous opportunities for potential collaborations. A delegation of 10 students from the Electrical Engineering and Electrical & Electronics Engineering departments of Lakshmi Narain College of Technology (LNCT), Bhopal, attended the summit to gain insights into global investment trends, technological advancements, and the role of Madhya Pradesh in the international business landscape.



Workshop on “Industrial Automation and IIOT 4.0”

A workshop on “Industrial Automation and IIOT 4.0” was organized by Department of Electrical & Electronics Engineering, LNCT at Seminar Hall of Idea Lab on 28th April 2025 (Monday). The expert speaker of the session was Er. Sanu Kumar.



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY, BHOPAL
Department of Electrical & Electronic Engineering



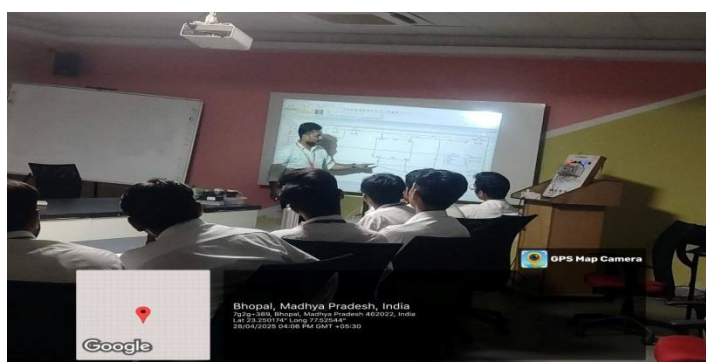
Workshop
on
"Industrial Automation and IIOT 4.0"

Trainer:
Er. Sanu Kumar

Date: 28/04/25 | **Venue:** Vishwakarma Block

HOD: Dr.Naveen Asati
Coordinator: Prof. Devendra Bisen

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On the occasion of **International Environment Day** an essay writing competition was organized and oath was taken by the students for environment conservation.



Industrial Visit to HEG Ltd (Hindustan Electro-Graphites Ltd) MANDIDEEP, Bhopal
Students of Electrical & Electronics and Electrical Engineering of 2nd year Lakshmi Narain College of Technology, Bhopal were taken to an industrial visit at HEG Ltd (Hindustan Electro-Graphites Ltd) MANDIDEEP (Bhopal) on 16 JUNE 2025.



RECORD OF STTP & FPD (ACADEMIC SESSION _CAY-2024-2025)

S. N.	NAME OF FACULTY	DEPART MENT	TITLE		DATE	
					FROM	TO
1	Dr. Naveen Asati	EX	Thermal Polygeneration for Sustainable Energy Development (TPSED-25)	ATAL FDP	10-02-2025	15/02/2025
2	Sandeep Kumar	EX	Advancaed electrical drives (NITTTR Bhopal)	FDP	22/07/2024	26/07/2024

STTP & FPD (ACADEMIC SESSION _CAY-2024-2025)

S.N	NAME OF FACULTY	DEPART MENT	TITLE
1	Dr. Santosh Kumar Vishwakarma	EX	Emerging Technologies and trends of future Energy-2030
2	Dr. Santosh Kumar Vishwakarma	EX	Emerging Power Converter Topologies and Control Methods for Electric Vehicles and Renewable Energy Systems, NIT, BHOPAL
3	Dr. Santosh Kumar Vishwakarma	EX	Emerging 2D Semiconductor Devices: Powering the Future of Nano architectonics, NIT Jamshedpur
4	Dr. Santosh Kumar Vishwakarma	EX	Quantum Communication: Recent Progress and Future Research Direction at National Institute of Technology, Tiruchirappalli
5	Dr. Rakeshwri Agrawal	EX	Emerging Power Converter Topologies and Control Methods for Electric Vehicles and Renewable Energy Systems, NIT Bhopal
6	SARVESH PRATAP SINGH	EX	Quantum Communication: Recent Progress and Future Research Direction at National Institute of Technology, Tiruchirappalli
7	DR. NAVEEN ASATI	EX	Advances in Renewable Energy Technologies for Sustainable Future
8	Dr. NAND KISHORE	EX	Smart Healthcare Using IoT: Real-Time Health Monitoring Systems
9	Siju George	EX	AI in Healthcare and Biomedical imaging
10	Satendra Katare	EX	Innovations and Challenges in Adopting Clean Energy Technologies for Sustainable Development

Name of Editor-Prof Vivek Rai

Name of students- Adityanath Tiwari,

Ayush Deshmukh, Gaurav Tiwari