URJA, ISSUE-II

NEWS LETTER, JULY-DEC 2024

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	*Develop the ability to model, analyse, test and design using modern software and programming tools in the field of Electrical and Electronics engineering.*
PSO-2	*Capability to solve complex engineering problems in modern electrical and Electronics applications professionally to provide efficient and socially acceptable technical solution.*
PSO-3	*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.*

Program Educational Objectives (PEOs)

PEO-1	*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.*
PEO-2	*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.*
PEO-3	*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.*
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.

The LNCT EX Branch organized a Tree Plantation Drive with the objective of promoting environmental awareness and encouraging students and faculty members to contribute towards a greener and healthier environment. During the drive, saplings were planted at designated locations within the campus, emphasizing the importance of trees in maintaining ecological balance and sustainability. The initiative reflected the branch's commitment to environmental conservation and responsible citizenship.

Lt. Neeraj Vishwakarma, an alumnus of the Electrical and Electronics Engineering department (Pass Out 2023), was commissioned into the Corps of EME of the Indian Army.

Industrial Visit to Andritz Hydro, Mandideep

Students of Electronics and Electrical Engineering branch Lakshmi Narain College of Technology, Bhopal were taken to an industrial visit at hydro power company 'Andritz Hydro' Mandideep on 30th November 2024. It is noteworthy that 'Andritz Hydro' is a reputed and for 150 years company working in the field of hydro power generators development, working on automation, turbo generators etc.

STTP & FPD (ACADEMIC SESSION _CAY-2023-2024)

S.N.	**NAME OF FACULTY**	**DEPARTMENT**	**TITLE**
2	Dr.Nand Kishore	EX	IoT Integration for Next-Gen Electric Vehicles Technology
1	Dr. Naveen Asati	EX	IoT Integration for Next-Gen Electric Vehicles Technology
3	Siju George	EX	Introduction to Internet of Things

ACADEMIC RESEARCH

S.N.	AUTHOR NAME	TITLE	PUBLISHER (SCOPUS. SCI. WOS, & OTHER JOUNRAL
1	Dr. Manju Khare	Design and control of fuel cell based Permanent Magnet synchronous Motor Drive for Electrical Vehicle: - A review	JCTJ (UGC)
2	Dr. Manju Khare	Design and control of fuel cell based Permanent Magnet synchronous Motor Drive for Electrical Vehicle	IJRAR (UGC)

Dr. Sayed Uvaid & Prof. Sandeep Kumar attended one week workshop on **"Advanced Electrical Drives"** held at NITTTR Bhopal during 22-07-2024 to 26-07-2024.

Name of Editor-Prof Vivek Rai

Name of students- Sijo Mathew,

Shreya Shukla