

URJA, ISSUE -I

NEWS LETTER, JAN-JUNE 2026

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, analyze, 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, analyze 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	<i>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.</i>

The Workshop on Industrial Automation and Control was held on 11 May 2026, at Electrical and Electronics Engineering Department LNCT Bhopal. The workshop was conducted by, Er. Harshit Shukla, Automation Engineer, Arist Automation. He gave hands-on experience to students on topics such as VFD motors, control panels, SMPS, SCADA, HMI and PLC.




LAKSHMI NARAIN COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electrical and Electronics Engineering

In association with IEEE student Branch
organizing
Workshop
Topic: Industrial Automation and Control




ER. HARSHIT SHUKLA
Automation Engineer
Arist Automation
Bhopal

ER. AMAN PATEL
Centre Head Arist
Automation Bhopal

SPEAKER

 11 May 2026
(Monday)

 3:00 PM

 CV Raman Block

HOD:
Dr. Naveen Asati

Coordinator:
Prof. Devendra Bisen
Prof. Vivek Rai

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The Department of Electrical & Electronics Engineering (EX), LNCT Group of Colleges, proudly celebrates the selection of student team at Navpravartan Mahotsav 2026.

The event provided an excellent platform for students to showcase their innovative ideas, technical expertise, and problem-solving skills through working project demonstrations. The selected team impressed the evaluation panel with the originality, practical relevance, and technical excellence of their project, earning a place in the next stage of the competition.



INDUSTRIAL VISITS

Industrial Visit to ANDRITZ HYDRO, Mandideep

Lakshmi Narain College of Technology (LNCT), Bhopal organized an **industrial visit to ANDRITZ HYDRO, Mandideep** for the students of **Electrical & Electronics Engineering, III Semester**.

The visit was organized to provide students with valuable **practical exposure to industrial processes** and help them connect their theoretical knowledge with real-world engineering applications. During the visit, students gained insights into **hydropower technology, electrical systems, industrial operations, and modern engineering practices**.

The industrial visit was **flagged off by the Director Administration, Dr. Ashok Kumar Rai**. Students also had the opportunity to interact with industry professionals and gain a better understanding of the functioning of a leading organization in the hydropower sector.

Such industry-oriented initiatives enhance students' **technical knowledge, practical skills, professional awareness, and understanding of industrial practices**, contributing significantly to their overall academic and professional development.



SGPA toppers of B.Tech. III Semester from the Department of Electrical & Electronics Engineering, Lakshmi Narain College of Technology, Bhopal.

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BHOPAL

1
NO. 1
THE WEEK
INDIA
TODAY
Outlook
CAREERS 360

Congratulations

LAKSHMI NARAIN COLLEGE OF TECHNOLOGY, BHOPAL

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SGPA TOPPER III SEM

Student Name	Enrollment Number	SGPA
ADITYA CHOUDHARY	0103EX241008	9
ADITYA NATH TIWARI	0103EX241009	8.88
AYUSH DESHMUKH	0103EX241020	8.75
DEEPAK KUSHWAHA	0103EX253D02	8.64
NEHA KAWADKAR	0103EX241036	8.63

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SGPA toppers of B.Tech. V Semester from the Department of Electrical & Electronics Engineering, Lakshmi Narain College of Technology, Bhopal.



Heartiest Congratulations!

DEPARTMENT OF ELECTRICAL & ELECTRONICS
EX 5TH SEM SESSION 2025-2026 SGPA TOPPER



SHIVAM SHARMA
0103EX231029
SGPA 8.63



AVNI TOMAR
0103EX231010
SGPA 8.58



HARSH SONI
0103EX231016
SGPA 8.58



BHARTI DEVALIYA
0103EX231012
SGPA 8.25



ADITI DUBEY
0103EX231003
SGPA 8.21

Keep striving. Keep excelling. The future is yours to lead.

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SGPA toppers of B.Tech. VII Semester from the Department of Electrical & Electronics Engineering, Lakshmi Narain College of Technology, Bhopal.



TOPPERS VII SEM EX BRANCH

 PRAKASH SHARMA Enrol: 0103EX221021 SGPA 9.42	 ANSHIKA VYAS Enrol: 0103EX221010 SGPA 9.42	 REENA THAKUR Enrol: 0103EX221024 SGPA 9.13
 AKRITI PANDEY Enrol: 0103EX221005 SGPA 9.08	 YASH OJHA Enrol: 0103EX221035 SGPA 9.00	 ANSHUMAN DAWANDE Enrol: 0103EX221011 SGPA 8.92

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The student's team of Electrical and Electronics Engineering received the best performing team in Idea Pitching Session in IDE Bootcamp held in Institute of Technology, University of Kashmir, Srinagar 20-24 April 2026



NPTEL Online certification by the students.

The Department of Electrical Engineering (EX), LNCT Group of Colleges, proudly recognizes the outstanding achievement of its students in successfully completing NPTEL Online Certification courses.

The Department congratulates all the students who earned NPTEL certifications and appreciates their dedication, perseverance, and enthusiasm for learning. These accomplishments not only enhance their academic profiles but also improve their employability and prepare them for higher education, research, and successful professional careers.



FACULTY ACHIEVEMENTS ON SWAYAM & NPTEL ONLINE CERTIFICATION

The Department of Electrical Engineering (EX), LNCT Group of Colleges, takes immense pride in the remarkable achievements of its faculty members in SWAYAM and NPTEL Online Certification courses.

As part of their commitment to continuous professional development and academic excellence, faculty members successfully completed various certification courses offered through the SWAYAM and NPTEL platforms in emerging areas of engineering, technology, and education. These certifications have enhanced their subject knowledge, teaching methodologies, and research capabilities, enabling them to deliver high-quality education aligned with industry and academic standards.

The Department congratulates all the faculty members for their dedication and successful completion of these prestigious certification programs. Their achievements serve as an inspiration to students and fellow educators while strengthening the institution's pursuit of excellence in higher education





Faculty Development & Training Programmes – CAY 2025–2026

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

DEVELOPMENT ACTIVITIES (PATENT)

S.N.	Faculty Name	Patent Name	Patent Application Number
1	Dr. Santosh Kumar Vishwakarma	An Adaptive Wireless Charging System for Multi Device Energy Transfer Optimization	2025210869 92 A
2	Dr. Santosh Kumar Vishwakarma	AN AI- Driven Dynamic Voltage Regulation and Stability Enhancement Framework for Renewable Energy Integration in Smart Power Networks	2025210895 17 A
3	Dr. Sujeet Kumar Soni	An Adaptive Wireless Charging System for Multi Device Energy Transfer Optimization	2025210869 92 A
4	Dr. Sujeet Kumar Soni	AN AI- Driven Dynamic Voltage Regulation and Stability Enhancement Framework for Renewable Energy Integration in Smart Power Networks	2025210895 17 A
5	Dr. Rakeshwri Agrawal	Mobile Solar-Assisted Farm Produce Drying and Handling Device	2026210087 24
6	Shriyansh Jain	An Adaptive Wireless Charging System for Multi Device Energy Transfer Optimization	2025210869 92 A
7	Shriyansh Jain	Ant Colony Optimization and LSTM Based Hybrid System for Solar PV Array Reconfiguration	2052210749 79A

S.N.	Faculty Name	Patent Name	Patent Application Number
8	Dr. Manju Khare	AN AI- Driven Dynamic Voltage Regulation and Stability Enhancement Framework for Renewable Energy Integration in Smart Power Networks	2025210895 17 A
9	Sarvesh Pratap Singh	A Cloud-Integrated iot Energy Management System for Smart Homes and Smart Cities with Adaptive Demand Response	2025210997 81 A
10	Vishwanath Tiwari	An Adaptive Wireless Charging System for Multi Device Energy Transfer Optimization	2025210869 92 A
11	Rashmi Saxena	A Cloud-Integrated IoT Energy Management System for Smart Homes and Smart Cities with Adaptive Demand Response	2025210997 81 A
12	Dr. Hemant Mahala	A Cloud-Integrated IoT Energy Management System for Smart Homes and Smart Cities with Adaptive Demand Response	2025210997 81 A
13	DR. NAVEEN ASATI	A Cloud-Integrated IoT Energy Management System for Smart Homes and Smart Cities with Adaptive Demand Response	2025210997 81 A
14	Manvendra Singh Kaurav	AN AI- Driven Dynamic Voltage Regulation and Stability Enhancement Framework for Renewable Energy Integration in Smart Power Networks	2025210895 17 A

S.N.	Faculty Name	Patent Name	Patent Application Number
15	Dr Anand Singh	FFT-Based Signal Analysis And Efficiency Improvement In Multistage OP Amps On 0.18µm SCMOS	2025210258 97
16	Dr Anand Singh	Dynamic Modeling And Control of A Solar PV And Hydrogen Fuel Cell Hybrid Energy System	2025210359 80
17	DR. Syed Uvaidd Ullah	An Adaptive Wireless Charging System for Multi Device Energy Transfer Optimization	2025210869 92 A
18	Dr. Syed Uvaidd Ullah	AN AI- Driven Dynamic Voltage Regulation and Stability Enhancement Framework for Renewable Energy Integration in Smart Power Networks	2025210895 17 A
19	Dr Anand Singh	Hybrid Rule Optimization Control System For Real-Time Energy Management And Power Distribution In Electric Vehicles	2025211280 00
22	Satendra Katare	A Cloud-Integrated IoT Energy Management System for Smart Homes and Smart Cities with Adaptive Demand Response	2025210997 81 A

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BHOPAL

NO. **1** BY **THE WEEK**
INDIA TODAY
Outlook
CAREERS

Congratulations!

Dr. Anand Singh



Professor,
Department of
Electrical & Electronics Engineering



Coordinator,
AICTE IDEA Lab,
LNCT Bhopal

on being elevated to the prestigious grade of

IEEE SENIOR MEMBER



IEEE
In recognition of professional standing
the Officers and Board of Directors of
the IEEE certify that
Anand Singh
has been elected to the grade of
Senior Member
03 August 2024



Dr. Anand Singh is shown in a circular portrait and in a larger photo receiving an IEEE Senior Member certificate from a representative of the IEEE.

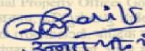


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