LAKSHMI NARAIN COLLEGE OF TECHNOLOGY & SCIENCE, BHOPAL
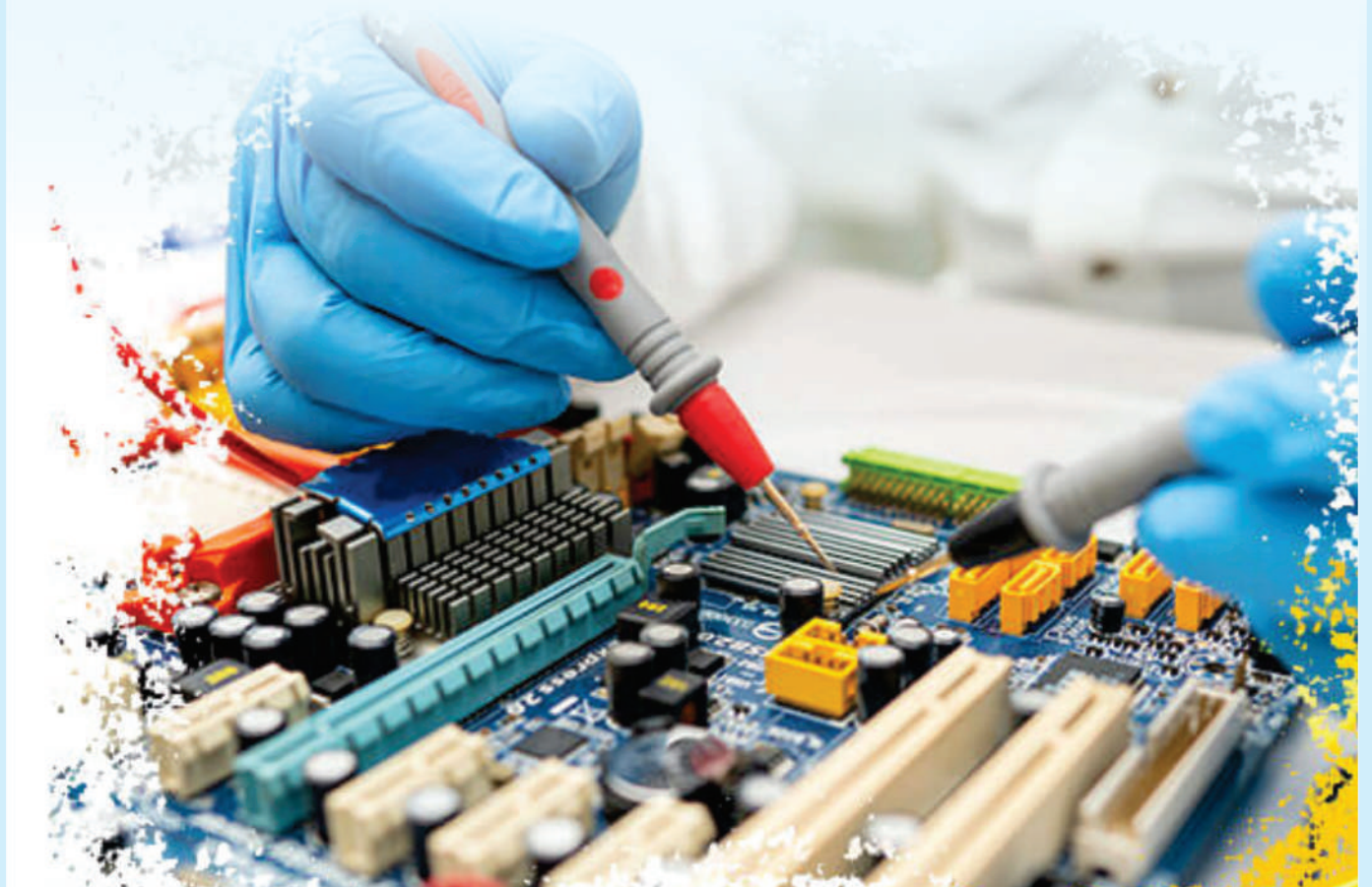
NEWS LETTER

Session – Jan 2024 to June 2024

Department Of Electronics & Communication Engineering, Bhopal

VISION OF THE DEPARTMENT

To be world-wide recognized for adopting and keeping innovation and entrepreneurship mindset as abreast of learning to produce professionals as valuable, ethical and moral resource for industry and society.

MISSION OF THE DEPARTMENT

- To establish an ecosystem where students could grow with innovative practices followed in communication engineering.
- Adopt the global approaches to transform the young aspirant into engineering professional catering the society with ethical and patriotic zeal.
- Facilitate and felicitate the learners to have close interactions with the industry experts and researchers for keeping them updated of the current and future needs of the society.
- To develop the mindset of learners for being innovative and entrepreneurial in becoming successful professional.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: The graduate will have the knowledge and skills of analog and digital communication in providing necessary solutions to the real world problems.

PEO2: The graduate will be able to design, develop, analyze and implement the modern tools and systems involving principles of electronics and telecommunication engineering.

PEO3: The graduate will be following the ethical practices of the core industry and supporting software industry in providing most acceptable solution to the society.

PEO4: The graduate will have the innovative mindset of learning and implementing the latest technological advancements and research outcomes in the electronic hardware and software to keep pace with the rapid developments in socio economic world.

PROGRAM SPECIFIC OUTCOME (PSO)

PSO1: To analyze, design and develop solutions of real time problems and industry needs.

PSO2: Ability of effectively communicating with the professionals and preparation of reports, documents and presentation while working in teams.

PSO3: Knowledge and understanding of latest developments in the field of VLSI, Embedded system, Networking, Matlab and other major tools necessary for keeping pace with the industry.

PSO4: Ability of solving complex engineering problems with ethical and law full approach to prevent the society and environment from adverse impacts.

LNCT&S has earned NBA (Mational Board of Accreditation) for Electronics and Communication Engineering department in March 2024.

• An Expert Lecture has been organized by ECE Department LNCT&S on "IoT Systems Design" by Mr. Abhigyanam Giri, Moderator Indeyes Infotech Pvt. Ltd. dated on 14/02/2024 for LNCT&S students of 6th Sem from 11:20 AM under the coordination of Dr. Soheb Munir (HOD, EC LNCTS) & Dr. Aparna Gupta (Professor).

• An Expert Lecture has been organized by ECE Department LNCT&S on "Embedded Communication: Emerging Technology and Applications" by Dr. Poonam Sinha, HOD, EC Barkatullah University Bhopal dated on 16/04/2024 for LNCT&S students of 4th & 6th Sem under the guidance of Dr. Soheb Munir (HOD, EC LNCT&S) & coordinated by Dr. Amrita Pahadia (Associate Professor) & Prof. Sanket Choudhary (Assistant Professor).

• An Expert Lecture has been organized by ECE Department LNCT&S on "Benefits of IEEE Membership" by Dr. G. S. Tomar, Chairmen IEEE, MP SECTION & Director Rajkiya Engineering College, Sonbhadra (UP) dated on 09/05/2024 for LNCT&S students of 4th & 6th Sem under the guidance of Dr. Soheb Munir (HOD, ECE LNCT&S) & coordinated by Dr. Aparna Gupta (Professor).

• An Industrial Visit has been organized by ECE Department LNCT&S to "NITTTR" dated on 10/04/2024 for LNCT&S students of 4th Sem under the coordination of Dr. Soheb Munir (HOD, ECE LNCT&S) & Dr. Amrita Pahadia (Associate Professor).

• An Industrial Visit has been organized by ECE Department LNCT&S to "AARTECH SOLONICS LTD" dated on 05/04/2024 for LNCT&S students of 4th Sem under the coordination of Dr. Soheb Munir (HOD, ECE LNCT&S) & Prof. Niketan Mishra (Assistant Professor).

• Two days Workshop has been organized by ECE Department LNCT&S on "Embedded System" by Mr. Abhigyanam Giri, Moderator, Indeyes infotech Pvt. Ltd. dated from 12/04/2024 to 13/04/2024 for LNCT&S students of 4th Sem under the guidance of Dr. Soheb Munir (HOD, ECE LNCT&S) & coordinated by Dr. Deepika Sharma (Associate Professor) & Prof. Rahul Sharma (Assistant Professor).

• A Workshop has been organized by ECE Department LNCT&S on "Virtual Lab in Electronic Devices and Circuits" by Dr. Aparna Gupta (Professor, LNCT&S) & Prof. Sanket Choudhary (Assistant Professor, LNCT&S) dated on 13/05/2024 for LNCT&S students of 4th Sem under the guidance of Dr. Soheb Munir (HOD, ECE LNCT& S).
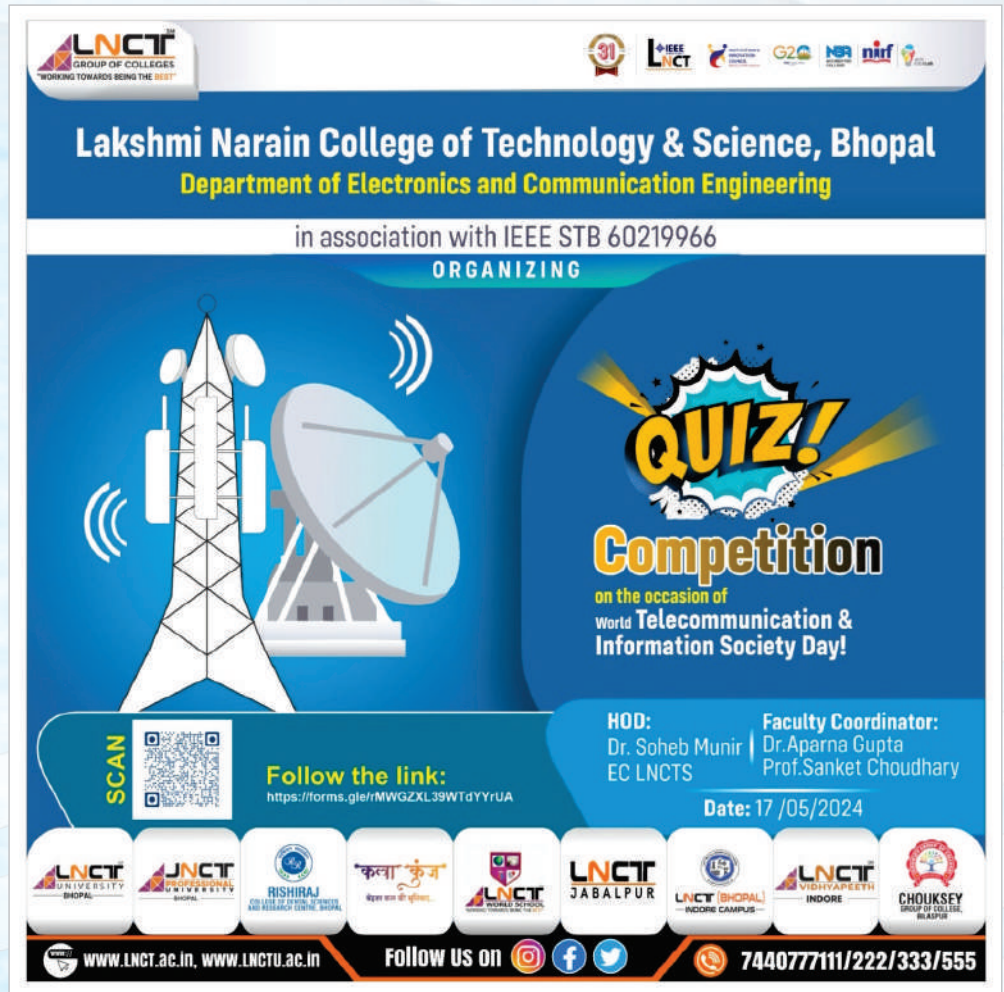
• A Quiz competition has been organized by ECE Department LNCT&S on the occasion of Telecommunication & Information Society Day by Dr. Aparna Gupta (Professor, LNCT&S) & Prof. Sanket Choudhary (Assistant Professor, LNCT&S) dated on 17/05/2024 for all LNCT&S students under the guidance of Dr. Soheb Munir (HOD, ECE LNCT&S).

Result of 8th sem Batch 2020-2024 was declared by RGPV Bhopal the students of ECE department LNCT&S came out with flying colours. The result of passing was 97.7% Aman Sharma student of 8th sem scored SGPA 9.78 and with CGPA 9.38 topped the Batch.

Faculty Certification

Dr. Soheb Munir successfully completed the NPTEL Online Certification course of 12 Weeks on "Internet of Things" by IIT Kharagpur with a Consolidated Score of 79% and achieved Silver Medal in Jan-April-2024.

Prof. Niketan Mishra successfully completed the NPTEL Online Certification course of 12 Weeks on "Signals and Systems" by IIT Mandi with a Consolidated Score of 71% in Jan-April-2024.

Faculty from ECE LNCT&S Dr. Aparna Gupta successfully completed the SWAYAM Online Course Certification on "Introduction to Intellectual Property" with consolidated score of 78 %. In the Proctored Examination held during May 2024. The 12 week Course 3 Credit from JAN– JUNE 2024.
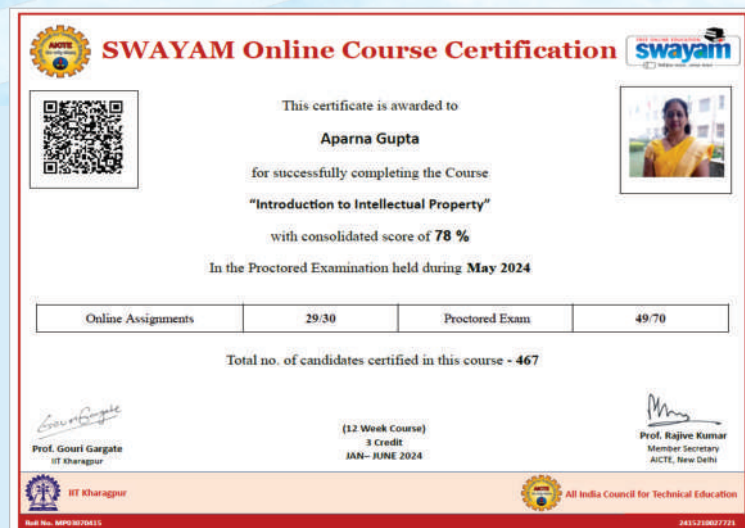
Dr. Amrita Pahadia successfully participated in the NPTEL "E-Awareness" Online Workshop on June 4, 2024.

Dr. Deepika Sharma from Laxmi Narain College of Technology & Science, Bhopal, (M.P.) has completed the "NEP 2020 Orientation & Sensitization Programme" under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Pt. Ravishankar Shukla University, Raipur, (C.G.) from 15.02.2024 to 24.02.2024

Dr. Deepika Sharma successfully participated in the Five Day E-workshop on "Electrical Design of Advanced VLSI and Communication Systems" held from 26th February 2024 – 01st March 2024, organized by Electronics and Communication Engineering Department, National Institute of Technology, Hamirpur-177005 (H.P.).

Dr. Amrita Pahadia successfully participated in the Five Day E-workshop on "Electrical Design of Advanced VLSI and Communication Systems" held from 26th February 2024 – 01st March 2024, organized by Electronics and Communication Engineering Department, National Institute of Technology, Hamirpur-177005 (H.P.).

Prof. Niketan Mishra received an appreciation for his notable service as a REVIEWER of the IEEE-sponsored OPJU International technology conference on "Smart Computing for Innovation and Advancement in Industry 4.0" held at OP Jindal University, Raigarh, Chhattisgarh India from 5th to 7th June 2024

Prof. Niketan Mishra is an Editorial Board Member of Journal Publication of International Research for Engineering and Management.

Prof. Niketan Mishra presented paper entitled "Performance of Microstrip Notch Antenna in RF Energy Harvesting for 2.45 GHz Wi-Fi" in 4th International Conference on Intelligent Technologies (CONIT 2024) during 21st to 23rd June 2024.

Ms. Ojaswini Soni Presented a paper entitled "Safeguarding Digital World: A Review of Cyber Security and Privacy" at international conference on recent advances in mathematics and data science (ICRAMDS -2024) held at MANIT Bhopal from June 27,28 2024 under the guidance of Dr. Amrita Pahadia.

Paper Published in UGC Approved Journal in April 2024 by students of Final year under the Guidance of Faculties of ECE Department Dr. Aparna Gupta, Prof. Niketan Mishra, Prof. Rahul Sharma, Dr. Deepika Sharma, Dr. Amrita Pahadia, Prof. Sanket Choudhary, Dr. Abhijeet Gupta.

Smart Parking System

[1]Sakshi Shrivastava, [2]Prashant Chakrawarti ,[3]Shawez Alam, [4]Vivek Chandran, [5]Prof. Niketan Mishra
[1-4] Research Scholar, [5] Professor

Department of Electronics & Communication Engineering
Lakshmi Narain College of Technology & Science, Bhopal, Madhya Pradesh, India

Solar Tree : A Becon of Sustainable Innovation

[1]Shashank Bhushan, [2]Saurabh Kumar ,[3]Shruti Shukla, [4]Soniya Soni, [5]Aparna Gupta
[1-4] Research Scholar, [5] Professor
Department of Electronics & Communication Enginneering
Lakshmi Narain College of Technology & Science, Bhopal, Madhya Pradesh, India

Smart Billing System

[1]Zohra Muneera [2] Saral Bajpai [3]Yuvraj Singh Thakur,
[4]Prof. Rahul Sharma
[1,2,3]Btech Scholar, Lakshmi Narayan College of Technology and Science
(LNCTS) Bhopal
[4]Assistant professor Department of Electronics and Communication Engineering.
Lakshmi Narain College of Technology Science
(LNCTS) Bhopal

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Automatic Fire Fighting Robot

[1]Anuj Gupta, [2]Priyansh Gupta ,[3]Mehak Hussain, [4]Aman Jain, [5]Aparna Gupta
[1-4] Research Scholar, [5] Professor
Department of Electronics & Communication Engineering
Lakshmi Narain College of Technology & Science, Bhopal, Madhya Pradesh, India

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Footstep Power Generation

[1]Anish Kumar, [2]Purva Joshi,[3]Bhavesh Kumar Mulani, [4]Gulshan Kumar
[5] Dr. Amrita Pahadia
[1-4] Research Scholar, [5] Associate Professor
Department of Electronics & Communication Engineering
Lakshmi Narain College of Technology & Science, Bhopal, Madhya Pradesh, India

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Third Eye Project

[1]Rupal Singh, [2]Bhoomika Vaswani ,[3]Somesh Tiwari, [4]Vageesha Pandey, [5]Deepika Sharma
[1-4] Research Scholar, [5] Professor
Department of Electronics & Communication Engineering
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AGRIOT BOT- An IOT Based Farming Robot

Dhiraj Kumar Mandal[1], Niti Kumari[2], Kshitij Shankule[3], Anshika Tiwari[4]

Dr. Aparna Gupta[5]

[1-4] Research Scholar, [5] Professor

Department of Electronics and Communication Engineering

Lakshmi Narain College of Technology and Science, Bhopal, Madhya Pradesh, India

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Landmine Detector Vehicle

[1]Anshi [2]Arnav Saxena ,[3]Anshul Jaiswal, [4]Arin Gupta, [5]Deepika Sharma

[1-4] Research Scholar, [5] Associate Professor

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Radar Detection System

[1]Himanshu Kumar, [2]Kunal Chakole, [3]Piyush Tripathi, [4]Sonu Kumar Rajak, [5]Prof. Rahul Sharma

[1-4] Research Scholar, [5] Assistant Professor

Department of Electronics & Communication Engineering

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Anti-Sleep Alarm System

[1]Yavnika Malviya, [2]Shubham Yadav ,[3]Vikas Yadav, [4]Ishika Vidoriya, [5]Niketan Mishra,[6]Amzad Quazi

[1-4] Research Scholar, [5-6] Professor

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Advance Security System for Bike

[1]Anshu Raj, [2]Kartikey Sharma ,[3]Kritika Deshmukh, [4]Tanya Mor, [5]Sanket Choudhary
[1-4] Research Scholar, [5] Professor

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Automatic Headlight Control

[1]Muskan Tank, [2]Nayan Kumar Koshta ,[3]Praveen Anand, [4]Saurav Kumar,
[5]Prof. Niketan Mishra
[1-4] Research Scholar, [5] Professor

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Automatic Fire Extinguisher

[1]Khushi Agrawal, [2]Divya Vikram Datta ,[3]Nishant Kumar, [4]Samarpit, [5]Abhijeet Gupta
[1-4] Research Scholar, [5] Professor

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IoT Based Women Safety System

[1]Aditya Digarse, [2]Harsh Mishra ,[3]Isha Bharti, [4]Shreya Singh, [5]Sanket Choudhary
[1-4] Research Scholar, [5] Professor

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Bus and Truck Drunk Driving alert using PIC Microcontroller

[1]Devanshu Sherwani, [2]Manish Kumar, [3]Manmit Kumar, [4]Mrinali Dwivedi, [5]Prof. Sanket Choudhary [1-4]Research Scholar, [5] Assistant Professor

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