

## DEPARTMENT OF MECHANICAL ENGINEERING

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# MECH @ CONNECT

NEWSLETTER

Jan - June, 2025



DEPARTMENT OF  
MECHANICAL ENGINEERING

*Excellence in Education,  
Innovation in Action*



## PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- Engineering knowledge
- Problem analysis
- Design/development of solutions
- Conduct investigations of complex problems
- Modern tool usage
- The engineer and society
- Environment and sustainability
- Ethics
- Individual and team work
- Communication
- Project management and finance
- Life-long learning



## VISION, MISSION & PROGRAM EDUCATIONAL OBJECTIVES (PEOs)



LAKSHMI NARAIN COLLEGE  
OF TECHNOLOGY, BHOPAL

### VISION:

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 and faculty credentials.
- To undertake interdisciplinary research and development by engaging the faculty and students in curricular, co-curricular and 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 and responsibility in our outgoing engineers by providing conducive environment.



DEPARTMENT OF  
MECHANICAL ENGINEERING

### VISION:

To be recognized in academics and research for producing engineers as responsible citizen who are innovative, choice of employers and able to do further studies & research.

### MISSION:

- To provide knowledge and skills of Mechanical Engineering to the students.
- To impart quality education to make students competent mechanical engineer and responsible citizen.
- To provide facilities and Environment conducive to grounding scholars for employability, higher studies and research.
- To prepare its students for Successful career in engineering.



PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

01

To make the students able of applying knowledge of mathematics, science and subjects of mechanical engineering in dealing with engineering problems.

02

To be able to identify and understand real life problems and suitably design and manufacture, feasible and sustainable mechanical devices and systems.

03

To be able to carry out the research work in the field of Mechanical Engineering.

04

To be able to use modern tools and techniques for the efficient working and meeting challenges of modern society and industry.



DEPARTMENT NEWS

The Department of Mechanical Engineering, LNCT Group, Bhopal, in collaboration with CRISP, Bhopal, has launched a two-week Faculty Development Program (FDP) on CNC Programming, scheduled from February 19 to March 4, 2025. The objective of this program is to enhance the technical proficiency and teaching methodologies of faculty members in the area of Computer Numerical Control (CNC) programming, which plays a pivotal role in modern manufacturing.

Dr. Kumar, in his address, emphasized the relevance of CNC technology in bridging the gap between academic knowledge and industrial applications, and encouraged faculty members to leverage this opportunity for academic excellence and industry readiness.

The Mechanical Engineering Department of Lakshmi Narain College of Technology, Bhopal, successfully organized an insightful Expert Talk on April 4, 2025, centered around the future of Renewable Energy. The session was led by Dr. Ankur Nagori, Scientist at CIAE, who shared his profound knowledge on key areas such as solar energy, green energy technologies, electric vehicles, and agricultural instruments.

The Department of Mechanical Engineering, LNCT Bhopal, organized an Expert Lecture on Advanced Methods of Material Testing on March 19, 2024. The session was delivered by Dr. R.K. Bharilaya and Dr. Shiv Kumar Patel from CSIR-AMPRI, Bhopal. Participation certificates were also awarded to students who attended the National Level Workshop under the CSIR Integrated Skill Development Program in CNC Turner, Welder, and Fitter techniques. The event enhanced students' technical knowledge and practical skills.

## AAROH RACING TEAM

AAROH Racing Team is the official motorsports club dedicated to designing and building electric go-karts and all-terrain vehicles (ATVs) for state and national-level competitions. The club provides students with hands-on experience in vehicle design, manufacturing, CAD modeling, testing, and project management, helping them apply classroom knowledge to real-world engineering challenges. Members also gain exposure to business planning, cost analysis, and teamwork in a competitive, fast-paced environment. AAROH Racing Team is the perfect platform for students passionate about automobiles, innovation, and motorsports.



## SPORTS NEWS

- Mr. Abhishek Mohan of the Mechanical Department has participated in various Football tournaments. He recently represented Bhopal at State-level Football tournament held at IES Group of Colleges, Bhopal. The team dominated the whole tournament and managed to win the tournament convincingly. Due to his consistent and brilliant performance, he was selected for RGPV University's National team.
- Mr. Satwik Pandey of Mechanical Department has participated in various Cricket tournaments and has achieved laurels for the college. He participated in the following tournaments:-  
• IIM-Indore- Runners Up • All Saints Cup- Winners  
• Aisect Cricket league- 2nd Runners Up



WORLD NEWS

- First-Ever Image of Black Hole Revealed
- CSIR Launched First Indigenous High Temperature Fuel Cell System
- GAZMO3D-India's first mobile app, enabling Ease Of Manufacturing
- NASA's Curiosity Rover finds an ancient oasis Mars
- Machine learning predicts behavior of biological circuits



"Engineering is not just about technology, it is about improving lives."

