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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.

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.

DEPARTMENTAL NEWS

- 1 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, 2024. 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.
- 2 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.
- 3 The Department of Mechanical Engineering at LNCT, Bhopal, organized an Expert Lecture on advanced methods of material testing on March 19, 2024. The lecture was delivered by esteemed scientists Dr. R.K. Bhariya and Dr. Shiv Kumar Patel from CSIR AMPRI, Bhopal. The session was highly insightful and enriched the attendees' knowledge of cutting-edge material testing techniques. In addition to the lecture, participation certificates were distributed to students who attended a National Level Workshop under the CSIR Integrated Skill Development Program. This workshop focused on enhancing skills in CNC Turner, Welder, and Fitter techniques. The event was a significant success, contributing to the students' professional development and technical expertise.



AUTOMOBILE QUIZ COMPETITION

The Department of Mechanical hosted an exciting Automobile Quiz on March 12, 2024. This event aimed to ignite students' passion for engineering and innovation. The quiz consisted of four rounds, during which participants demonstrated exceptional performance and showcased their expertise in the field.



INDUSTRIAL VISIT

The Department of Mechanical Engineering at LNCT Bhopal organized an industrial visit to Global Skill Park, Bhopal, on March 6, 2024 for B. Tech IV semester students. During the visit, students had the opportunity to explore various advanced machinery and technologies, including four & five Axis Advanced CNC Machines, CNC Lathe and CAM, CNC Milling and EDM Wire Cut Machine. The visit provided students with valuable practical knowledge and exposure to cutting-edge industrial practices in the field of mechanical engineering.



INTERNSHIP PROGRAM

The Department of Mechanical Engineering at LNCT, Bhopal concluded a highly enriching one-week internship program designed for our mechanical engineering students. This program seamlessly integrated theoretical knowledge with hands-on practical applications, effectively preparing students to meet the evolving demands of the engineering industry. Participants were exposed to cutting-edge technologies, including drones, CNC machining, electric vehicles, and the Idea Laboratory. In addition to this, various skill development initiatives ensured that students received a comprehensive and holistic learning experience.



FACULTY ACHIEVEMENTS

Dr. Vipin Shrivastava, a distinguished faculty member of the Department of Mechanical Engineering, LNCT Bhopal, has achieved an h-index of 12. This milestone reflects his impactful research contributions, academic excellence, and the strong citation impact of his scholarly publications.



PATENTS & COPYRIGHTS

1. Dr. Shankar Kumar and Dr. Vikas Pare filed & published, a Design Patent, DesignNo.400701-001, titled "IOT Based Solar Power Agriculture Robot", on 15/01/2024.
2. Dr. Shankar Kumar and Dr. Vikas Pare filed & published, a Design Patent, DesignNo.403824-001, titled "IOT Based Device for Environmental Monitoring", on 07/03/2024.



RESEARCH PUBLICATIONS

Dr. Shashi Ranjan Mohan and Dr. Yogesh Dewang have successfully published a research paper titled "Tool Path Planning for Hole Flanging Process Using Single Point Incremental Forming" in the esteemed MATEC Web of Conferences journal, 2024 edition.

NEWS AROUND THE WORLD

- First-Ever Image of Black Hole Revealed**
The first direct visual evidence of a black hole and its "Shadow" has been revealed by astronomers working on the Event Horizon Telescope (EHT). The image is of the super massive black hole that lies at the centre of huge Messier 87 galaxy, in the Virgo galaxy cluster.
- CSIR Launched First Indigenous High Temperature Fuel Cell System**
The Council of Scientific and Industrial Research (CSIR) has launched the first indigenous High- Temperature Fuel Cell system under India's flagship program 'New Millennium Indian Technology Leadership Initiative (NMILTI).



SPORTS NEWS

1. 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.
2. Students of Mechanical Department, Mr. Romil Patel and Mr. Abhishek Mohan represented the college in the Football tournament, organized by Reliance Foundation Youth Sports (RFYS). The team showed great resilience and composure in the month-long tournament. They were undefeated throughout the tournament and were crowned as City Champions. The team also qualified for the National Championship which will be held at Emerald High School, Indore.
1. 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:- Aisect Cricket league- 2nd Runners Up · IIM-Indore- Runners Up · All Saints Cup- Winners

AAROH Racing Team

AAROH Racing Team is the official student motorsports team dedicated to designing, developing, and manufacturing electric Go-Karts and All-Terrain Vehicles (ATVs). The team participates in state and national-level competitions, providing hands-on experience in automobile design, manufacturing, testing, and innovation. Members apply classroom knowledge to real-world engineering while also gaining exposure to project management, business planning, and teamwork. AAROH Racing Team fosters technical excellence, creativity, leadership, and a passion for motorsports through practical learning and competitive challenges.



CONFERENCES / FDPs / WORKSHOPS / SEMINARS / STTPs ATTENDED

1. Prof. Josy George participated in the 5-day Online Workshop on "Multiple Attribute Decision Making Using Analytic Hierarchy Process" organized by the National Institute of Technology, Mizoram, from February 26 to March 1, 2024.
2. Prof. Josy George participated in the 5-day International Virtual Faculty Development Program on "Global Conversations in Mechanical Engineering: Bridging Innovation and Sustainability", organized by the Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh, India, from February 19 to February 23, 2024.
3. Prof. Josy George participated in the 5-day Online International Workshop on "3D Printing & Additive Manufacturing Insights" organized by the Department of Mechanical Engineering, National Institute of Technology, Mizoram, India, from March 12 to March 16, 2024.
4. Prof. Josy George participated in the 5-day Workshop (Hybrid mode) on "IPR Awareness & Skill Development" organized by the IPR Cell, National Institute of Technology, Mizoram, from March 16 to March 20, 2024.
5. Prof. Josy George participated in the 5-day Faculty Development Program (Hybrid mode) on "Industry 4.0: Technological Evolution", organized by the Department of Mechanical Engineering, Techno College of Engineering, Agartala, from April 1 to April 5, 2024.
6. Prof. Josy George participated in the 2-week Online Faculty Development Program on "INDUSTRY 4.0/5.0", organized by the Department of Mechanical Engineering, Prasad V Potluri Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh, from April 15 to April 27, 2024.
7. Prof. Josy George participated in the one-day e-workshop on "NPTEL Awareness Program" organized by Lakshmi Narain College of Technology, Bhopal, on June 5, 2024.

STUDENT ACHIEVEMENTS

Akash Sunmoriya, 2nd Year, Mechanical Engineering Student from Department of Mechanical Engineering, LNCT, Bhopal, won a gold medal in the Kumite +84 Kg weight category at the RGPV State Karate Championship for 2023-2024.



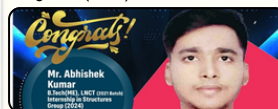
GATE QUALIFIED STUDENTS

1. Ashutosh Kumar, an alumnus of the Department of Mechanical Engineering, LNCT, Bhopal, has qualified for GATE 2024 with an All India Rank (AIR) of 208.
2. Krishna Kumar Shukla, an alumnus of the Department of Mechanical Engineering, LNCT, Bhopal, has qualified for GATE 2024 with an All India Rank (AIR) of 458.



INTERNSHIP OFFERS

1. Dewansh Vishwakarma, a 7th-semester Mechanical Engineering student at LNCT Bhopal, secured a 2024 internship at BARC, Mumbai.
2. Abhishek Kumar, a 7th-semester Mechanical Engineering student at LNCT Bhopal, completed his internship at ISRO's U R Rao Satellite Centre, Bengaluru (2024).



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