



Krantiveer Vasanttrao Narayanrao Naik Shikshan Prasarak Sanstha's  
**LOKNETE GOPINATHJI MUNDE**  
**INSTITUTE OF ENGINEERING EDUCATION & RESEARCH**

Canada Corner, Sharanpur Road, Nashik-422002.

Approved by AICTE, Accredited 'B' Grade by NAAC

(Degree Engg., Diploma Engg. & MBA)



# NEWSLETTER

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**Dongare Vasatigruha Parisar , Vasanttrao Naik Chowk, Canada Corner, Nashik, Maharashtra 422002**

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# **NEWSLETTER CORE COMMITTEE**

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**Dr. R. R. Chakule**

## **Editor**

**Prof. S. D. Shewale**

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**Tajane Atul Ratnakar TE**

**Gajare Jaydeep Sharad SE**

# MESSAGE FROM EDITOR'S DESK

Dear Readers,

It gives me great pleasure to present the latest edition of the Mechanical Engineering Department Newsletter. This publication serves as a platform to showcase the academic achievements, technical innovations, research contributions, and vibrant activities of our students and faculties. Mechanical Engineering is a constantly evolving field, and our department continues to grow in its pursuit of excellence in education, research, and industry collaboration. In this edition, we bring you highlights of departmental events, faculty research publications, value added course, guest lectures, and Industrial Visit & Internship etc.

We hope you enjoy reading this edition and continue to support us with your valuable feedback and suggestions.

# HOD MESSAGE



Dr. R. R. Chakule

A hearty welcome to the Department of Mechanical Engineering at Loknete Gopinathji Munde Institute of Engineering Education and Research, Nasik. The Mechanical Engineering Department was established in 2011 with an intake of 60. The department works with the objective to impart quality education and develop students to face the challenges of industry, society and academia. The well-equipped lab facilities and conduction of practical in groups, faculty mentoring scheme helps the students to achieve academic and personal excellence. The department motivates students to organize and participate in different activities for overall development. The department has highly qualified and dedicated faculty. Our graduates work in almost every field of technology viz. Manufacturing/Production, Design, Automobile, Aviation, Energy/Thermal, Construction, Chemical etc. The department strives to provide a conducive environment for the students to develop technical and managerial skills and apply them to real problems.

# ABOUT DEPARTMENT

Mechanical Engineering envisages the design, development, manufacturing and maintenance of machinery. Mechanical Engineering finds applications in all fields of technology. With the rapid rate of expansion in the industrial sector, the employment potential for mechanical engineers is very high in Mechanical Engineering and related areas. The department of Mechanical Engineering started in the year of 2011-12 with an intake of 60 students at undergraduate level. The department has well qualified, dedicated staff and is known for its high academic standard with complete infrastructure facilities. The department has full-fledged 10 laboratories with modern sophisticated equipments and well-equipped workshop that fulfill the requirements of syllabi, project work and to carry out research activities as per the guidelines laid down by AICTE and Savitribai Phule Pune University. Student centric activities are regularly conducted to explore the hidden talents and to inculcate qualities required for employability of the students. The Department has maintained a good rapport with Industry. The Department has students' chapters of 'The Institution of Engineers (India)'.

## **VISION**

- To excel in Mechanical Engineering by nurturing competent, innovative, and socially responsible engineers focused on sustainable advancements for the benefit of industry and society

## **MISSION**

- To impart quality education through an effective teaching-learning process.
- To cultivate expertise in new and evolving engineering domains by providing the best facilities and an inclusive environment ensuring the holistic and sustainable development of students.
- To inculcate ethical values, leadership qualities and promote a commitment to lifelong learning for the holistic development of industry and society.

## **PROGRAM SPECIFIC OUTCOMES**

PSO1: SPECIFY, DESIGN and EVALUATE mechanical components and systems using modelling and analysis software.

PSO2 : APPLY knowledge of machines, tools, automation, properties of advanced materials and modern management methods for manufacturing of mechanical components and systems.

PSO3: APPLY core aspects of thermal and fluid engineering to determine the performance of mechanical systems including power absorbing and power generating systems

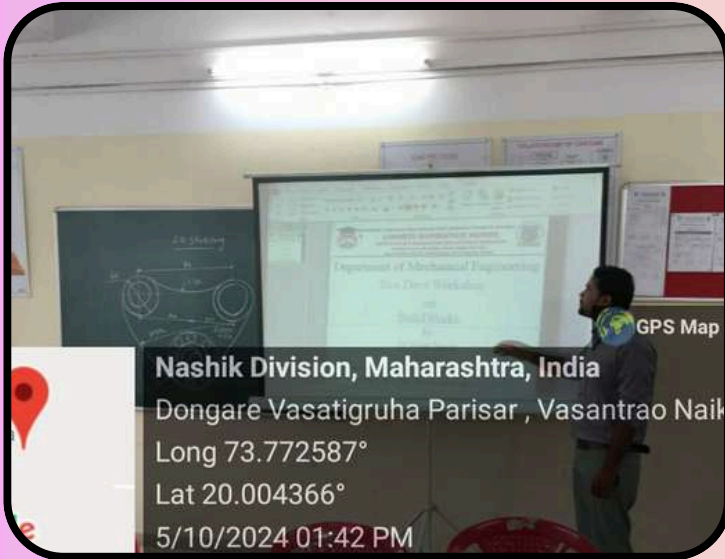
## **PROGRAM EDUCATIONAL OBJECTIVES**

PEO1 : The graduate will have a successful career in mechanical engineering with strong technical, research & professional skills.

PEO2 : The graduate will possess an ability to work in diversified fields along with team work and leadership qualities

PEO3 : The graduate will continue to learn and to adapt in a society of constantly evolving technological environment

# DEPARTMENT ACTIVITY



Two Days Faculty Development Workshop on SolidWorks on 04<sup>th</sup> & 05<sup>th</sup> Oct 2024



Faculty Development Program on 3D Printing Technology on 07th Oct 2024



One Week Value Added Course on CNC from 14th to 19th Oct 2024



**Two Day Workshop on 3D Printing dated on 25<sup>th</sup> & 26<sup>th</sup> March 2025**



**Interactive classroom session by an Industries Expert at AMT Skill Ltd.**



**Event of Assembly and Disassembly of Mechanical Components in LoGMIEER TECHFEST 2K25 dated on 01<sup>st</sup> March 2025**



**Project Competition in LoGMIEER TECHFEST 2K25 dated on 01st March 2025**

# INDUSTRIAL VISIT



**Industrial Visit of DM Subject for TE class at CNC Academy, Satpur Nashik on date 18<sup>th</sup> Oct 2024**



**Industrial Visit of DOM Subject for BE Class at Mahindra Bhavin Wheels Pvt Ltd, Nashik on date 21<sup>st</sup> Oct 2024**



**Industrial Visit of HVAC Subject for BE Class at Pinnacle Mall, Nashik on date 21<sup>st</sup> Oct 2024**



**Industrial Visit of EMM Subject for SE class at Unique Heat Treatments, Nashik on date 23<sup>rd</sup> Oct 2024**



**Industrial Visit of FPCL Subject for TE class at Ahire Machine tools wasali Nashik on date 18th March 2025**



**Industrial Visit of MS Subject for SE class at Globtech metalcrafts Ambad Nashik on date 18<sup>th</sup> March 2025**



**Industrial Visit of KM Subject for SE class at Machine House Ltd, Ambad, Nashik on date 18th March 2025**



**Industrial Visit of ATD Subject for SE class at Ujwal automotives pvt ltd (Tata Motors Commercial Vehicle Dealer), Nashik on date 29<sup>th</sup> March 2025**



Nashik, Maharashtra, India  
1/22, Midc Ambad, Nashik, Maharashtra 422010, India  
Lat 19.96572° Long 73.736628°  
21/04/2025 01:59 PM GMT +05:30

**Industrial Visit of MS Subject for SE class at Prakash Technoplast pvt ltd Nashik on date 21<sup>st</sup> April 2025**



Nashik, Maharashtra, India  
24, Midc Ambad, Nashik, Maharashtra 422010, India  
Lat 19.96544° Long 73.736422°

**Industrial Visit of MS Subject for SE class at Jadhav Casting Ambad Nashik on date 21<sup>st</sup> April 202**

# INTERNSHIP



**Orientation lecture on internship by Mr. Sandeep Karkhanis at LOGMIEER Nashik on 19<sup>th</sup> Dec 2024**



**Introductory lecture on internship by Mr. Sandeep Karkhanis at AMT Skill Enhancement Institute LLP**



**Interactive classroom session by an Industries Expert at AMT Skill Enhancement Institute LLP**



**Internship industrial visit to ahire machine tools, Wasali**



**Nashik, Maharashtra, India**

1st Floor, Nathganga, Near Prasad Circle, Gangapur Rd,

**Students feedback after completion of internship**

## FACULTY PAPER PUBLICATION

Sr No	Name of Faculty	Title of Paper	Name of Journal	Indexing
1	Dr. R. R. Chakule	Optimization of Process Parameters and Simulation of Turning Process using DEFORM 3D-Inconel 718	MOENIA Journal	SCOPUS
2	Dr. R. R. Chakule	Processing of aluminum metal matrix composite with titanium carbide reinforcement	Materials and Manufacturing Processes	SCI
3	Dr . D. S. Patil	Analysing the Efficiency and Emissions of a Gasoline Engine Running on a Blend of Ethanol and Butanol Fuel	International Journal of Vehicle Structures and Systems	SCOPUS

## PATENT PUBLICATION

Sr No	Name of Faculty	Title of Patent	Date of Publication
1	Dr. R. R. Chakule	Method and Appratus for Optimizing Mechanical Component Design Using Topology Optimization and 3D Printing	02/05/2025
2	Dr . D. S. Patil	Method and Appratus for Optimizing Mechanical Component Design Using Topology Optimization and 3D Printing	02/05/2025

**THANK  
YOU!**