



**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



**Department of Mechanical Engineering**

**NEWSLETTER**

**A.Y 2025-2026**

**Volume 2**



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

# CONTENTS

1. NEWSLETTER CORE COMMITTE	3
2. MESSAGE FROM EDITOR DESK	4
3. HOD MESSAGE	5
4. ABOUT DEPARTMENT	6
5. VISION, MISSION	7
6. PSO, PEO	7
7. DEPARTMENT ACIVITY	8
8. INDUSTRIAL VISIT	13
9. INTERNSHIP	16
10 FACULTY PAPER PUBLICATION	19
11. PATENT PUBLICATION	20
12. FACULTY BOOK PUBLICATION / NPTEL	20
13. STUDENTS PARTICIPATION	22

# NEWSLETTER CORE COMMITTEE

Editor in Chief

Dr. R. R. Chakule

Editor

Prof. S. D. Shewale

Co-Editors

Deshmukh Gayatri Bhikanrao SE

Surve Soham Bhanudas TE

Sonwane Aniket Mahendra BE

## **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 engineers focussed on sustainable advancements for the benefit of industry and society.

## MISSION

- 1.To impart quality education through an effective teaching-learning process.
- 2.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.
- 3.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



**Expert Talk on Non-destructive Testing Techniques: Bridging Theory and Industry Practice on 26-09-2025**



**Expert Talk on Heat Treatment Processes: Bridging Fundamentals with Industrial Practices on 2-09-2025**



**Workshop on PLC & SCADA System on 7<sup>th</sup> & 8<sup>th</sup> Oct 2025**



**3-Day Value Added Course on “GD&T: Fundamentals & Applications on 15-04-2026 to 17-04-2026**



**6-Day Value Added Course on “Python Programming and Artificial Intelligence & Machine Learning on 04-04-2026 to 24-04-2026**



**Teachers Day Celebration**

# PARENT MEET



Parent meet held on 25/04/2026

# FAREWELL FUNCTION



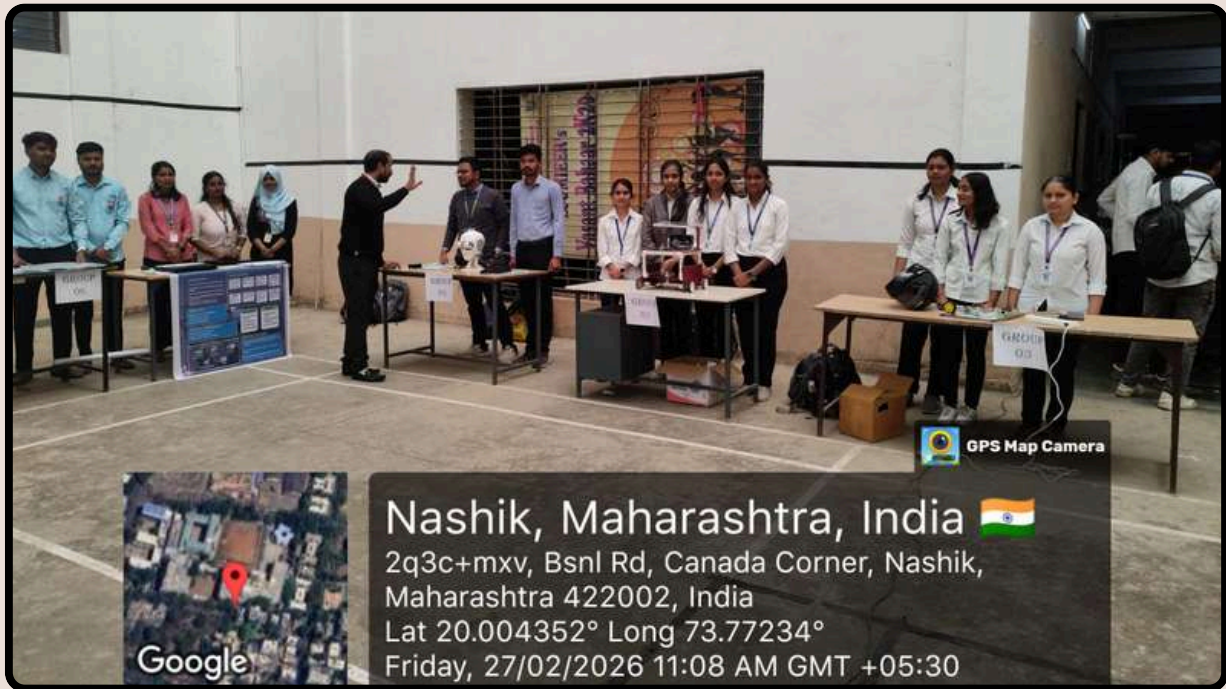
Farewell Function on 23/05/2026

# LoGMIEER TECH-FEST



Contraption Competition held on 27/02/2026

Project Competition held on 27/02/2026



# INDUSTRIAL VISIT



**Industrial Visit of HVAC Subject for BE class at City Centre Mall at Nashik on date 27<sup>th</sup>September 2025**



**Industrial Visit of HVAC Subject for BE class Orchid Cooling & Cleaning Pvt Ltd at Nashik on date 27<sup>th</sup>September 2025**



**Industrial Visit of WS Subject for SE class at Mungi Engineers, Nashik on date 30<sup>th</sup>September 2025**



**Industrial Visit of TM Subject for BE class at NilgiriBaag Water Treatment Plant, Nashik on date 06<sup>th</sup>October 2025**



**Industrial Visit of MS Subject for SE class at Godavari Technical Services, Nashik on date 10<sup>th</sup>September 2025**



**Industrial Visit of MS Subject for SE class at Godavari Technical Services, Nashik on date 19<sup>th</sup>September**



**Industrial Visit of CIM Subject for BE class at Measurewel Technovision Pvt Ltd,  
Nashik on date 13<sup>th</sup> April 2026**



**Industrial Visit of MP-I Subject for SE class at Jadhav Casting Pvt Ltd,  
Nashik on date 13<sup>th</sup> April 2026**

# INTERNSHIP PHOTO



## INTERNSHIP

Sr. No	Student Name	Company Name	Duration of Internship	Duration of internship (days)
1	AHIRE TUSHAR MANOHAR	Ritter Gas Measurements India	1 Jan to 31 Jan	31
2	BHABAD SWAPNIL SHARAD	Bajaj Auto limited	1 Jan to 31 Jan	31
3	CHAVAN BADAL SUNIL	Ritter Gas Measurements India	1 Jan to 31 Jan	31
4	GAJARE JAYDIP SHARAD	Mungi Engineers Pvt Ltd.	1 Jan to 31 Jan	31
5	GANGURDE OM MUKUND	Tata Motors Engineering, Showroom	2 Jan to 31 Jan	30
6	GAVALI HARSHADA PRUTHVIRAJ	K B Enterprises, J17, MIDC Ambad- 422010	4 Jan to 31 Jan	28
7	INGALE NIKITA ANIL	Gurukrupa Engineers pvt ltd	1 Jan to 31 Jan	31
8	JAIN KARAN RAVINDRA	Mungi Engineers Pvt Ltd.	1 Jan to 31 Jan	31
9	KASAV SATYAM KAMLESH	MS Engineering & Automation	04 Jan to 31 Jan	28
10	KATKADE OM SHARAD	Mungi Engineers Pvt Ltd.	1 Jan to 31 Jan	31

<b>Sr.No</b>	<b>Student Name</b>	<b>Company Name</b>	<b>Duration of Internship</b>	<b>Duration of internship (days)</b>
11	KUMAWAT MAYUR SURESH	Measurewell Technovision Pvt Ltd, MIDC Ambad, Nashik	2 Jan to 30 Jan	30
12	SANAP ANTARA DEEPAK	K B Enterprises, J17, MIDC Ambad- 422010	4 Jan to 31 Jan	28
13	SHINDE ROHIT ASHOK	Hind Rectifiers Limited, MIDC Malegaon, Sinnar	2 Jan to 30 Jan	30
14	SINGH HARSHKUMAR NIVAS	Mungi Engineers Pvt Ltd.	1 Jan to 31 Jan	31
15	SURVE SOHAM BHANUDAS	Ritter Gas Measurements India	1 Jan to 31 Jan	31
16	USHIR NISHA SANJAJ	K B Enterprises, J17, MIDC Ambad- 422010	4 Jan to 31 Jan	28
17	USHIR SACHIN ASHOKRAO	Ratnadeep Electroplators pvt Ltd	1 Jan to 31 Jan	31
18	BHABAD APARNA ANIL	Ratnadeep Electroplators pvt Ltd	1 Jan to 31 Jan	31
19	PATIL VINAYAK ROHIDAS	Zentech Industries	1 Jan to 31 Jan	31

## FACULTY PAPER PUBLICATION

Sr No	Name of Faculty	Title of Paper	Name of Journal	Indexing
1	Dr. R.R.Chakule	Efficiency and Accuracy Comparison of Indian Energy Consumption by using Machine Learning.	journal of Technische Sicherheit	Scopus
2	Dr. R.R.Chakule	The Evolution of Additive Manufacturing in Sustainable Biomaterial Production	Journal of Mines, Metals and Fuels	SCI
3	Dr. R.R.Chakule	Experimental investigation of CuO nanofluids minimum quantity lubrication grinding process	Journal of Materials Engineering and Performance	SCI
4	Dr. R. R. Chakule	Characteristics of Heat Transfer and CFD Analysis of Pulsating Heat Pipes with Distilled Water	KRONIKA JOURNAL	Scopus
5	Dr.D.S.Patil	Integrating Ai-Powered Multiomics for Personalized Prediction and Management of Pregnancy Complications In 2025	<u>Journal of Carcinogenesis</u> SCOPUS	SCOPUS

## PATENT PUBLICATION

Sr No	Name of Faculty	Title of Patent	Date of Publication
1	Dr. R. R. Chakule	Minimum quantity Lubrication System (Utility)	8-12-2025
2	Dr. R. R. Chakule	Smart Vibration Fault Detector	09-05-2026
3	Dr . D. S. Patil	“AI-Based Image Recognition Device for Autonomous Vehicle”	01/01/2026
4	Dr . D. S. Patil	Artificial Intelligence Based Predictive Maintenance Device	02/01/2026

## FACULTY BOOK PUBLICATION

Sr No	Name of Faculty	Title of Books	Publisher
1	Dr. R. R. Chakule	Material Science and Metallurgy- The Science and Engineering of Materials (Edition First)	Shashwat Publication
2	Dr . D. S. Patil	Material Science and Metallurgy- The Science and Engineering of Materials (Edition First)	Shashwat Publication
3	Dr . D. S. Patil	Using Strategic Operational Research Models for AI-Augmented Healthcare Logistics, Accessibility, and Cost-Cutting Projects	Taylor & Francis

## NPTEL

<b>Sr.No</b>	<b>Name of faculty</b>	<b>NPTEL TOPIC</b>	<b>Duration</b>	<b>Results</b>
1	Dr. R. R. Chakule	Air Pollution and Control	12 Weeks	77% (Elite Grade)
2	Prof. S S Patil	Energy Conservation and Waste Heat Recovery	12 Weeks	71% (Elite Grade)
2	Prof. S. U. Nagare	Advances in Welding & Joining Technologies	08 Weeks	60 %

## Student Particiaption

Sr.No	Name of Student	Class	Name of Event	Place
1	Mr. Samarth Ganesh Shinde	SE	Project Competetion	MET Enthusia 2026: Engineering the Future
2	Mr. Omkar Pravin Nikam	SE	Contraption	Tech Fest LoGMIEER.Nashik
3	Mr. Darade Vishal Dattu	SE	Hack & Prompt	Tech Fest LoGMIEER.Nashik
4	Mr. Harkal Sumit Rajendra	SE	Hack & Prompt	Tech Fest LoGMIEER.Nashik
5	Miss. Sanika Thore	SE	RoboRace competition	PROJIT at JIT Nashik
6	Miss.Radhika Sharma	SE	RoboRace competition	PROJIT at JIT Nashik
7	Mr. Om Badhe	SE	RoboRace competition	PROJIT at JIT Nashik
8	Mr.Soham B. Surve	TE	RoboRace competition	PROJIT at JIT Nashik

<b>Sr.No</b>	<b>Name of Student</b>	<b>Class</b>	<b>Name of Event</b>	<b>Place</b>
9	Mr. Tushar M. Ahire	TE	Project Competition	MET Enthusia 2026: Engineering the Future
10	Mr. Badal S. Chavan	TE	RoboRace competition	PROJIT at JIT Nashik
11	Mr. Jaydeep S. Gajare	TE	RoboRace competition	PROJIT at JIT Nashik
12	Mr. Rohit M Shinde	TE	Poster making Competition	MET Enthusia 2026: Engineering the Future
13	Mr.Tajane Atul Ratnakar	BE	Project Competiton	TechnoFest 2026 G.N. Sapkal COE
14	Mr. Sonawane A Mahendra	BE	Project Competiton	TechnoFest 2026 G.N. Sapkal COE
15	Mr Sonawane A Mahendra	BE	Project Competiton	TechnoFest 2026 G.N. Sapkal COE
16	Mr Jagtap D Anil	BE	Project Competiton	TechnoFest 2026 G.N. Sapkal COE
17	Mr Kharote P Ganesh	BE	Project Competiton	TechnoFest 2026 G.N. Sapkal COE



THANK

YOU !