

# MET'S IOE MECHANICAL ENGINEERING NEWSLETTER

<https://metbkcengg.ac.in/mechanical-engineering/>



Nov-Dec, 2025



## Vision

To become the center of excellence in Mechanical Engineering discipline with strong research and application based teaching beneficial to contribute well being of industry and society.

## Department's Growth & Success

Department Placement Raised up-to 35%

Internship Program initiated

Three Research scholar has submitted the thesis for the award of PhD Degree.

IIW-Students Chapter Received Best Chapter Award

Visit of Pro Vice Chancellor, SPPU, Pune



## Mission

- Imparting quality education in mechanical engineering with a focus on practical skills and emerging technologies.
- Strengthening research culture using recent tools to address real-world industry and societal challenges.
- Developing industry-ready professionals with ethical and human values through hands-on training, internships, and collaborative projects.
- Contributing to societal and industrial growth by promoting sustainable engineering solutions and innovation.



## Faculty Industry Visit & Training @ RCF Mumbai

Nine faculty members of the department attended the STTP at RCF, Chembur, held on 13-14 November 2025. Mr. R. J. Pawar received the Best Performing Award from Ms. Nanda Kulkarni, Chief General Manager (HRD), RCF, Chembur.

## Internship/ Bootcamp

- Departmental Laboratories has open the Four week Internship Program for SE/TE/BE Students.

### Theme

**CAD-CAM: Diagnosis of EV Scooter Chassis**

Mentor: Dr. S. K. Dahake & Dr. S. P. Kakade

**Mechatronics: PLC/SCADA**

Mentor: Mr. N. B. Ahire

**Advance Mfg. Tech.: Additive Mfg. & CNC**

Mentor: Dr. A. S. Patil & Mr. A. D. Patil

**Universal Human Values: Impact of UHV on Society**

Mentor: Dr. S. K. Nirgude

## Welcome Interns ! (Internal/External)

**Mechanical Engineering**  
Boot-camp/Internship Training Programs

Applications are invited for Boot-camp /Internship Programs on Following Topics

<p>Universal Human Values</p> 	<p>EV Chassis Design</p> 	<p>Industry 4.0</p> 	<p>PLC &amp; Automation</p> 
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QR Code for Registration 

**Open To All Engineering Students**

For Details Visit <https://metbkceengg.ac.in/mechanical-placement-records>



**Institute of Engineering**

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The internship/bootcamp opportunity is open to all national and international students. A certificate and/or Letter of Recommendation (LOR) will be provided to students upon successful completion of the internship/bootcamp.

# IIW-Best Students Chapter



## Selection For Best Chapter Award

The Indian Institute of Welding (IIW) Students' Chapter of MET's Institute of Engineering has won the Best Chapter Award for the Year 2025. The award comprises a cash prize of ₹10,000, along with a certificate and a trophy.



The Indian Institute of Welding (IIW) Provided the ADOR Research Scholarship Rs. 50,000 to Mr. Ganesh Pagar, Research Scholar, Mechanical Engineering Department.

## Certificate Course



### Certificate

This is to certify that  
Dr. / Mr. / Ms. **Amit Subhash Patil**  
has successfully completed the certification course on  
**ANSYS**



Date of Issue: 05-12-2025

  
Prof. B. V. Phani

Chief Investigator, E&ICT Academy, IIT Kanpur

Dr. Amit Subhash Patil, has successfully completed the certification course on ANSYS under the Joint initiative of MeitY & IIT Kanpur  
Course Completed on : 05-12-2025

Conference: 01

Journal: 12

Book Chapter: 01

- Pawar R. J., Analysis of bionic riblet structure's influence on centrifugal pump performance, International Journal of Applied Mechanics and Engineering, ISSN : 1734-4492. Vol. 30, No. 04, PP. 125-136, 2025. <https://doi.org/10.59441/ijame/208784>
- Chavan, H. A., Optimization of Brake Disc For Improved Thermal and Structural Behavior Using Thermo-Mechanical Analysis, Advanced Engineering Letters, e-ISSN 2812-9709. <https://doi.org/10.46793/adeletters.2025.4.4.3>
- Chavan, H. A., A Decision-Making Framework for Selecting Rapid Prototyping Processes in Resource-Constrained Industries Using AHP-GRA, Engineering, Technology and Applied Science. <https://doi.org/10.48084/etasr.13905>
- Ahire, N. B., MOGA-Based Optimization and Performance Comparison Of Plain And Multi-Lobe Hydrodynamic Journal Bearings, International Journal of Applied Mechanics and Engineering: ISSN : 1734-4492, e-ISSN : 2553-9003 DOI: 10.59441/ijame/210536
- A. Y. Chaudhari, R. U. Waghmare, P. V. Wagh, H. D. Badgujar, A. S. Sul. Safety braking system to avoid the failure in air brake Hoses. Recent Trends in Fluid Mechanics. 2025, Vol. 12, No. 03.
- Vinod P. Tawlarkar, Sachin K. Dahake. Investigation and Optimization of Resistance Spot Welding Parameters for Stainless Steel. Journal of Thermal Engineering and Applications. 2025, Vol. 12, No. 03, PP. 15-21.
- Samruddhi Sanjay Lohakare, Shubham R. Suryawanshi. A Review on Parametric Optimization of WEDM Technique for OHNS Steel. Trends in Mechanical Engineering & Technology. 2025, Vol. 15, No. 02, PP.29-35.
- Nitin Shewale, Siddhesh Takne, Prathamesh Navase, Suraj Dusane, Sachin Kakade, Advances in Laser Hardening: A Review on Techniques, Trends and it's Applications, International Journal of Solid State Innovations & Research. 2025, Vol. 03, No. 02.
- S. K. Nirgude, A. S. Yeole, A. B. Aher, S. S. Bagal, and P. L. Zade, A look at friction stir processing for making better surface properties. International Journal of Manufacturing and Materials Processing. 2025; Vol. 11, No. 02.
- Chaudhari V.P, Patil A.D, Kalpande S.D. Effect of Process Variables on the Mechanical Characteristics of form Fabricated Materials. International Journal of Machine Systems and Manufacturing Technology. 2025, Vol.03, No. 02, PP-32-39.
- N. S. Gaikwad, D. D. Deshmukh, A. Y. Chaudhari, S. B. Patil,. Mechanical Behavior of Tungsten Carbide Under the High Impact Velocity Application: A Numerical-Based Study, International Journal of Science, Engineering and Technology, 2025, Vol. 13, No. 6, PP. 01-08.
- Amit S. Patil, Vivel K. Sunnapawar, Kiran S. Bhole, Sushil Ingale, Deepak Singh and Yogesh More (2026). Surface Texture Evaluation in Turning of Ti6Al4V Under Nano-Flood Cooling Environment. In Ramesh Kumar Nayak, J. Paulo Davim, Rajiv Shekhar and Geoffrey Mitchell (Eds.), Advances in Materials and Manufacturing Technology, Proceedings of ICAMMT 2024 Volume-I, Lecture Notes in Mechanical Engineering (PP. 01-08, ISSN 2195-4364 (electronic), ISBN 978-981-96-8773-2 (eBook)). Springer. <https://doi.org/10.1007/978-981-96-8773-2>
- Pawar, R. J., Ray, M. P., & Suryawanshi, S. R. (2025). Bio-inspired shark skin riblets for centrifugal pump impellers: CFD and experimental analysis. Nigerian Journal of Technological Development, 22(5), 305-310. <https://doi.org/10.63746/njtd.v22i5.3814>
- Patil, A. S., Ingale S. V., (2025, Dec. 19-21), Influence of Nano-Fluids on Ti6Al4V Turning at Various Side Rakes and Clearance Angles Using TOPSIS, CFRTM-2025: Current and Futuristic Research Trends in Manufacturing, School of Mat. Sci., IIT Bhuvanewar, Odisha, India.

# Faculty Training

Dr. Dhiraj D Deshmukh, has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on METAL ADDITIVE MANUFACTURING at VNIT Nagpur from 08/12/2025 to 13/12/2025.

Dr. Sachin Kamalakar Dahake, has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Recent Trends and digital techniques in Manufacturing Systems at PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY from 01/12/2025 to 13/12/2025.



Dr. Amol Y. Chaudhari has successfully participated & completed Faculty Development Program on AI For Research Writing & Summarization at KBHSST's Indira College, Malegaon Camp on 10/12/2025.



Ashwin D. Patil has successfully participated & completed Faculty Development Program on AI For Research Writing & Summarization at KBHSST's Indira College, Malegaon Camp on 10/12/2025.

# Faculty Training

Dr. Sachin Prabhakar Kakade, has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on METAL ADDITIVE MANUFACTURING at VNIT Nagpur from 08/12/2025 to 13/12/2025.

Dr. Sushil Vishwanathrao Ingle, has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Hydrogen 3600: Unlocking the Potential of Sustainable Power at Army Institute of Technology, Pune from 17/11/2025 to 22/11/2025.

Mr. Vishal Pramod Chaudhari, has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Advanced Manufacturing for Industry 4.0: Integrating Additive Technologies and Sustainable Practices at UNITED COLLEGE OF ENGINEERING & RESEARCH from 15/11/2025 to 22/11/2025.

Dr. Sachin Prabhakar Kakade, has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Next Generation Engineering Practices: Materials, Design and Manufacturing at MARATHWADA MITRA MANDAL'S COLLEGE OF ENGINEERING from 22/12/2025 to 27/12/2025.



Mr. NARAYAN Sampat Tajane, has participated in the Professional Development programme on 'Nanotechnology & Applications' during 08/12/2025 to 12/12/2025



Mr. DINESH PANDURANG PANCHVE, has successfully participated & completed Faculty Development Program on AI For Research Writing & Summarization at KBHST's Indira College, Malegaon Camp on 10/12/2025.



Mr. AMOL BHARAT VARANDAL, has successfully participated & completed Faculty Development Program on AI For Research Writing & Summarization at KBHST's Indira College, Malegaon Camp on 10/12/2025.

# Faculty Training

Dr. Dhiraj D. Deshmukh,  
Dr. Harshal A. Chavan  
Dr. Shubham Suryawanshi  
Dr. Sachin Kakade  
Dr. S. D. Kalpande  
has successfully completed One Week National Level Faculty Development Program on “Integrating AI Tools for Effective Teaching and Assessment”, organized by Padm. Dr. V. B. Kolte College of Engineering, Malkapur in association with ISTE Local Chapter-VBKCOE, IEI Local Chapter-VBKCOE & Association of Computer Science & Engineering (ACSE).  
From 16th Dec to 20th Dec 2025





# Faculty Training

Mr. Anil Patil, has received the Domain Certificate from NPTEL based on the Course successfully completed on ENERGY SYSTEMS

Course Completed Period : Oct 2025



Mr. D. P. Panchve Attended One week Faculty Development Program on "Advancements in HVAC&R" organized by Department of Mechanical Engineering, Jaihind College of Engineering, Kuran and Sponsored by ISHRAE Pune Chapter conducted from 16th December to 20th December 2025

## Visit



## Pro-VC: SPPU

Dr. Parag Kalkar, Pro Vice Chancellor of SPPU, Pune visited to Additive Manufacturing lab (IDEA LAB) in Mechanical Engineering Department on 22 Dec. 2025.

## LIC- Research Centre

LIC Chairman Dr. Varsha Patil and members Dr. J. A. Hole, Dr. D. P. Patil, and Dr. R. Mahajan visited the Research Centre for continuation of affiliation on 23 Dec. 2025.



# Internship

**Mandatory Internship will  
Commence From 25  
December 2025 Onwards**

**Total No. of Internship  
Allocated Till Date: 94**

**No. of Paid Internship: 09**

**No. of Non Paid Internship: 85**

## Placement

SN	Name of Student	Name of Company	Package
1	Ujjwal Ahirrao,	Vedanta Power	7.59
2	Om Jadhav	Vedanta Power	7.59
3	Sarthak Ugale	Mechwell Industries Ltd	3
4	Shailesh Mogal	Mechwell Industries Ltd	3
5	Bharat Khairnar	Mechwell Industries Ltd	3
6	Mayur Ahire	Mechwell Industries Ltd	3
7	Nevesh Jahagirdar	Mechwell Industries Ltd	3
8	Prashant Mogal	Kody Labs	3
9	Sahil Thange	Kody Labs	3
10	Tejas Deore	Kody Labs	3
11	Tejas Deore	BOSCH Ltd	4.35
12	Bharat Khairnar	AAPL	2.1
13	Ramkrushna Avhad	AAPL	2.1
14	Deven Borse	RR Plast	2.4
15	Rushikesh Pingal	MASO Group	2.6
16	Swapnil Sangamnere	MASO Group	2.6
17	Pratik Waghchaure	MASO Group	2.6
18	Pranav Kute	MASO Group	2.6
19	Ganesh Patade	MASO Group	2.6
20	Sidhant Musale	MASO Group	2.6
21	Rushikesh Pingal	Amalgamated	2.6
22	Swapnil Sangamnere	Amalgamated	2.6
23	Prathamesh Patole	Armstrong Dematic	4

**Highest Package:  
7.59 LPA**

**Lowest Package:  
2.1 LPA**

