

Institute of Engineering

Ref.: MET/BKC/IOE/Ph.D./Mech/2025/593

Date: 06/02/2025

To,
The Deputy Registrar (Academic Section),
Savitribai Phule Pune University,
Ganeshkhind,
Pune – 411 007.

Subject: Regarding submission of six monthly Progress Report from Research Centre of
Mechanical Engineering

Dear Sir,

Greetings from MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

With reference to the above mentioned subject, please find the attachment regarding Progress Report of Research Centre during the period **July-2024 to Dec-2024** from the Research Centre of Mechanical Engineering, MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

This is for your kind information.

Sincerely,

Dr.  V.P. Wani

Principal

MET's Institute of Engineering,
Bhujbal Knowledge City
At. Adgaon, Tal. & Dist. Nashik-3



Encl.:

1. Progress Report



Institute of Engineering

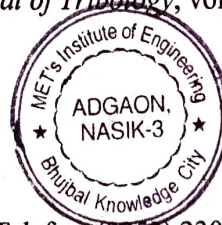
Name of Research Centre :	MET's Institute of Engineering, Bhujbal Knowledge City, Nashik
Year of Establishment :	2014
Subject :	Mechanical Engineering
No. of Associated Supervisors :	07
No. of registered Candidates :	25
Candidates awarded Ph.D. :	04
	1. 28/08/2019- Harshal A. Chavan (Supervisor: Dr. V. P. Wani)
	2. 28/08/2019- Shubham R. Suryawanshi (Supervisor: Dr. J. T. Pattiwar)
	3. 28/04/2023- Tushar Y. Badgajar (Supervisor: Dr. V. P. Wani)
	4. 22/08/2023- Raghavendra R. Barshikar (Supervisor: Dr. P. R. Baviskar)
Progress Report Period	July-2024 to Dec-2024

Progress Report/RRC/Synopsis/Viva-voce Presentations:

- 24/08/2024: Following Progress Presentations held with Research Advisory Committee-
 - Mr. Sharad K. Nirgude (Supervisor: Dr. S. D. Kalpande)
 - Mr. Dipak Chaudhari (Supervisor: Dr. G. N. Shelke)
 - Mr. Ganesh Pagar (Supervisor: Dr. G. N. Shelke)
 - Mr. Pranav Firke (Supervisor: Dr. G. N. Shelke)
- 01/10/2024: Pre-synopsis presentation held with Research Advisory Committee-
 - Mr. Sharad K. Nirgude (Supervisor: Dr. S. D. Kalpande)
- 01/10/2024: Following Progress Presentations held with Research Advisory Committee-
 - Mr. Dinesh Panchve (Supervisor: Dr. M. P. Ray)
 - Mr. Rajendra Pawar (Supervisor: Dr. M. P. Ray)
 - Mr. Darshan Kulkarni (Supervisor: Dr. A. B. Kakade)

Publications:

- Darshan Kulkarni, Amol Kakade, Mechanical and Tribological properties of the Lead-Free Composite-A review, *Tribologia - Finnish Journal of Tribology*, vol.41(1-2), pp. 13-27, 2024.



Adgaon, Nashik - 422 003

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2. Dinesh P. Panchve, Milind P. Ray, Advancements in Nano-Refrigerants for Enhanced Performance in Refrigeration Systems - A Review, 4th International E-Conference on Mechanical and Material Science Engineering: Innovation and Research 2024, SITRC, Nashik, 2024.
3. Ganesh Pagar, G. N. Shelke, "A review of friction stir welding processes for lightweight metal & its alloy from parametric perspective" in Second international conference on recent innovations & Developments in Mechanical Engineering organized by Department of mechanical engineering, National Institute of Technology, Meghalaya, India during 14th to 16th November, 2024.
4. Ganesh Pagar, G. N. Shelke, "Finite element analysis of straight horizontal flat clamps hinged at one end milling fixture for friction stirs joining process of Aluminium AA3103" in International Conference on Advances in Thermal Systems, Materials and Design Engineering (ATSMDE – 2024), organized by Department of mechanical engineering, Veermata Jijabai Technological Institute during 27th -28th December, 2024.

Workshop/Training/FDP:

1. Dinesh Pandurang Panchve Modelling and Simulation using MATLAB, NITTTR, Chandigarh, 16/12/2024 to 20/12/2024
2. Nilesh Sitaram Gaikwad ATAL FDP on Manufacturing Techniques for Novel Materials: The Impact of Industry 4.0 at MET IOE, Nashik from 16/12/2024 to 21/12/2024
3. Ravindra Mahadeo Ghogare 3 Days FDP titled "Hands on CFD Simulations Using ANSYS: Bridging Theory with Practice" organized by Dept. Of Mech. Engg. MVPS's KBTCOE, Nashik during 12th to 14th Dec. 2024
4. Ganesh Jagannath Pagar
 - Attended AICTE recognized faculty development program on "Research methodology" conducted by NITTTR, Chandigarh on 7th – 11th October 2024.
 - Attended ATAL FDP on "Manufacturing Techniques for Novel Materials: The Impact of Industry 4.0", at MET's INSTITUTE OF ENGINEERING from 16/12/2024 to 21/12/2024.



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5. Patil Manoj Subhash AICTE ATAL FDP on Manufacturing techniques for novel material:
The impact of industry 4.0 at METIOE during 16th November to 21st
November 2024
6. Santosh Rama Shekokar AICTE ATAL FDP on Manufacturing techniques for novel material:
The impact of industry 4.0 at METIOE during 16th November to 21st
November 2024
7. Amol Purushottam
Vadnere
- One Week AICTE Training and Learning (ATAL) FDP on
'Manufacturing Techniques for Novel Materials: The Impact of
Industry 4.0' organized by MET's Institute of Engineering from
16/12/2024 to 21/12/2024.
 - Three Days FDP on "Innovative Teaching-Learning Practices in
Engineering", organized by Department of Mechanical;
Engineering, KES RIT Polytechnic, Lohgaon, Pune
8. Pranav Firke AICTE ATAL FDP on Manufacturing techniques for novel material:
The impact of industry 4.0 at METIOE during 16th November to 21st
November 2024
9. Vishal Pramod Choudhari One week FDP at NITTR Chandigarh, "Modelling and Simulation
using MATLAB" 16/12/2024 to 20/12/2024
10. Vishwas Palve
- Mastering Research Writing & Intellectual Property: A
Comprehensive Approach to Academic Success, Sinhgad College
of Engineering, Vadgaon, Pune, Maharashtra, 08.07.2024 to
18.07.2024
 - Manufacturing Techniques for Novel Materials: The
Impact of Industry 4.0 at MET'S INSTITUTE OF ENGINEERING
from 16/12/2024 to 21/12/2024.



NPTEL Courses:

1. Yuvraj Vadje Research Methodology (July 2024 to August 2024)
2. Ravindra Mahadeo Ghogare Design Thinking -A Primer (July 2024 to August 2024)
3. Ganesh Jagannath Pagar Manufacturing Processes-Casting & Joining (July-August 2024)
4. Vishwas Palve Designing Learner-Centric E-Learning in STEM Disciplines

Admission 2024-25:

Vacancies by Research Supervisors are declared.



Dr. S. R. Suryawanshi
Ph.D. Co-ordinator



Dr. S. D. Kalpande
H.O.D.



Dr. V. P. Wani
Principal

