

M. E. Society's Wadia College of Engineering, Pune-01

(Accredited by NBA & NAAC with A++ Grade)

Mechanical Engineering Department Newsletter

Vol.14 No.1 July-December 2023

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- Dr. M. P. Dale (Principal)

Editors

- Prof. H. S. Salave

Name of Faculty

- Dr. V. N. Chougule (HoD)
- Dr. V. N. Raibhole
- Dr. V. J. Sonawane
- Dr. S. H. Gawande
- Dr. A. C. Mitra
- Prof. S. P. Gadewar
- Dr. A. R. Patil
- Prof. S. D. Wankhede
- Prof. S. S. Jadhav
- Dr. K. A. Mahajan
- Dr. R. N. Yerrawar
- Prof. H. S. Salave
- Dr. B. D. Nandre
- Prof. Sushant Jadhav
- Dr. S. R. Kandharkar
- Prof. B. R. Pujari
- Prof. V. S. Mane
- Prof. A. A. Chaugule
- Prof. D. R. Salunke
- Prof. P. V. Bute
- Dr. V. P. Sakhare
- Prof. P. V. Aundhkar
- Prof. S. R. Dhavale

From the HOD's Desk

During the **First semester** of academic year **2023-24**, various extracurricular activities were conducted successfully by the Mechanical Engineering Department like Paper Publication & Paper Presentation by faculty members and students in National / International journals.

The faculty member regularly contributes for publications of Textbooks and work on Research Projects by involving UG & PG students funded by BCUD, Savitribai Phule Pune University, DST New Delhi. Faculty Members publish their research papers in National and International Journals & Conferences regularly. Numbers of faculty members are working as resource person and keynote speaker for conferences and workshops.

Mechanical Engineering students regularly contributing by involving in various technical events like **MESA-PHOENIX, Designers Club, SAE India eBAJA and mBAJA** organized by SAE India which encourages them and staff members, which we want to continue in coming years also. Also various projects by final year students are as per present requirements of industries and Quality.

Dr. V. N. Chougule

From the Editor's Desk.....

Greetings to faculty, students and friends!

It gives us an immense pleasure in bringing out this issue of our **First Semester** Departmental Newsletter **[2023-24]**.

We hope this newsletter will provide a brief report of all activities conducted by the faculties and students of Mechanical Engineering Department during the First Semester of academic year **2023-24**.

Prof. H. S. Salave

Department of Mechanical Engineering- Semester-I [2023-24]

Mechanical Engineering is the core branch of Engineering and Technology, which plays an important role in the industrial growth of the nation. The department has well equipped laboratories. Besides high-quality teaching, the practical knowledge of students is enhanced through Expert Lectures by eminent people from Industry, industrial visits, etc. The department has a team of dedicated faculty members, who strive hard to give their 100%. The department adopts flexible and innovative learning opportunities for students enabling them to enhance theoretical and professional skills. Numbers of faculty members are contributing to Textbooks Publications & working on research projects funded by BCUD, University of Pune and presented & published their research work in international conferences at USA, Singapore & China and in International Journals. The department has set ground zero between faculty & students which facilitates teaching learning process effectively. The department had been pioneering many essential activities which led to the development of the college. Final year students have presented and published technical papers based on their projects in national and International Journals.

Department Advisory Board:

Dr. V. N. Chougule
Dr. S. H. Gawande
Dr. A. C. Mitra
Dr. V. J. Sonawane

MESA Coordinator:

Prof. H. S. Salave

M-BAJA/ E-BAJA coordinator:

Dr. S. R. Kandharkar
Prof. B. R. Pujari

Academic Monitoring

Coordinator:

Dr. K. A. Mahajan

Exam Coordinator:

Prof. S. S. Jadhav

Guest Lecture/Industrial Visit Co-ordinator:

Prof. B. R. Pujari
Dr. S. R. Kandharkar

Academic Research Co-ordinator

(ARC)/ PG Co-ordinator:

Dr. S. H. Gawande

NSS Coordinator:

Dr. B. D. Nandre

NBA/NAAC Coordinators:

Dr. R. N. Yerrawar
Prof. S. P. Gadewar

Extra-Curricular Co-ordinator:

Prof. H. S. Salave

Load Distribution and Timetable In-charge:

Prof. S. D. Wankhede

Training & Placement Coordinator:

Prof. V. S. Mane

3. Departmental Activities

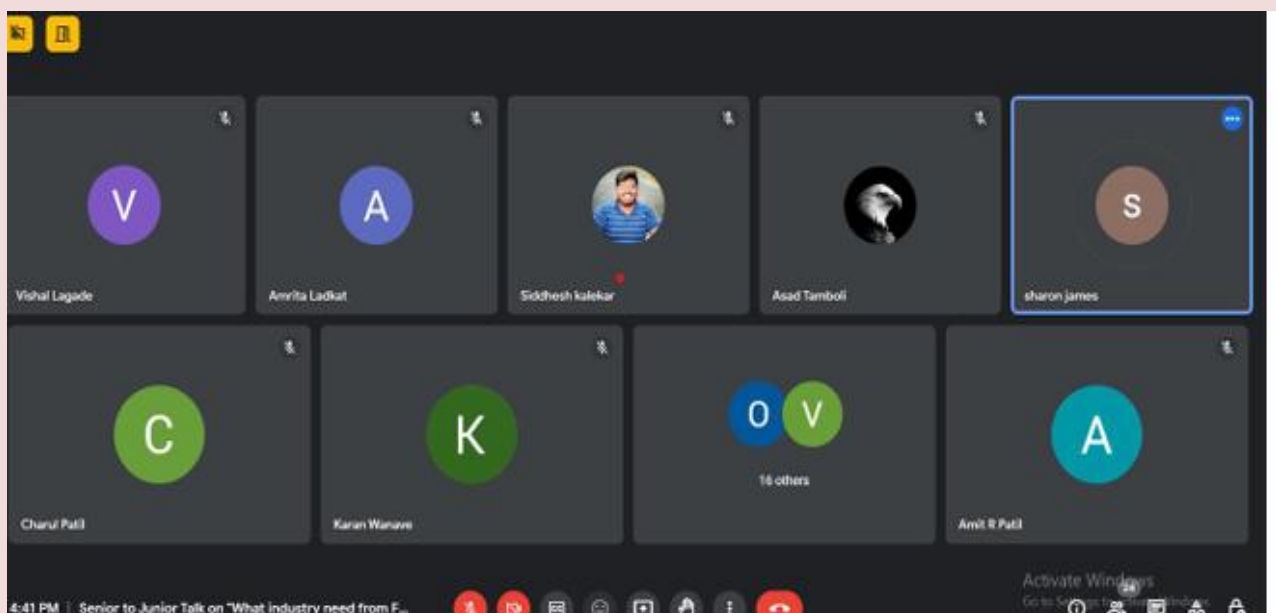
3.1 SAE BAJA'2023 Competition

In -**BAJA 2023** BAJA 2023 season with ALL INDIA RANK 10 in overall performance and All India Rank 7 in Maneurability



3.2 Guest Lecture

- **Miss Sharon James**, Engineering/Project Manager, Chassis division, Mubea Automotive Components India Pvt Ltd., Pirangut , Mulshi, Pune, delivered lecture on “What the Industry Needs from Freshers” for TE & BE mechanical engineering students dated on 17 Oct. 2023. Co-Ordinator: Dr. A. R. Patil



3.3 Industrial Visit

- **Dr. K. A. Mahajan, Prof. S. P. Gadewar, Prof. H. S. Salave Dr. S. R. Kandharkar,** organized Industrial visit at PARC Robotics systems Pvt. Ltd, Chakan Industrial Area, Nighoje, Khed, Pune – 410501 for TE Mechanical students dated on 23 Oct. 2023.



- **Mr. V. S. Mane & Mr. P. V. Bute** organized Industrial visit at Indian Machine Tool Manufacturers' Association (IMTMA) Tech Center 12/5, D1 Block, MIDC Chinchwad, Pune for BE Mechanical and Automation and Robotics students dated on 23 Nov. 2023.



- **Dr. A. R. Patil, Dr. V. J. Sonawane, Dr. A. Mitra, Prof. A. A. Shaikh.** organized Industrial visit at Thermax Babcock & Wilcox Energy Solutions, Shirwal, Pune for S E Mechanical students. Dated 27 Oct. 2023 and 03 Nov. 2023.



- **Dr. A. R. Patil, 2. Dr. V. N. Raibhole, 3. Mr. S. D. Wankhede** organized Industrial visit at Nexus Westend Mall, Aundh, Pune for V E Mechanical students under the subject“ **Heating, Ventilation, Air Conditioning and Refrigeration**”. Dated 11 Oct. 2023.



3.4 Club Activities

TRONIX CLUB organized event “**Designing the Future: UI/UX Trends & Innovation**” for all Engineering students dated on 26-27 September 2023. Co ordinator: **Prof. V. S. Mane.**



4 MESWCOE-IIC

- MESWCOE-IIC team organized International symposium and workshop on Development in energy technology for sustainable future dated 4 to 9 March 2024. Organizing Team: - Dr. V. Raibhole, Dr. A. R. Patil and Prof Sushant Jadhav



5 NSS Activity

- **International Yoga Day**

The International Yoga Day is celebrated every year on 21st June to bring peace, harmony, happiness and success to every soul in the world. Yoga is a mental, physical and spiritual practice that needs to be carried out every day.



- **Meri Mati Mera Desh-Kalash Pooja**

"Meri mati Mera Desh " this program was arranged at COEP Technological University Shivajinagar Pune on 26 of September 2024. Mr. J.P. Nadda (National president of BJP) shared his views on the topic.



- Chitrarath- Ganesh Visarjan**

On the auspicious occasion of Anant Chaturdashi, September 28, 2023, a significant event called the Chitrarath activity was organized at Belbaug Chowk. This event aimed to raise awareness about the detrimental effects of tobacco use and second-hand smoke exposure, while also advocating for the cessation of tobacco consumption in any form.



- Tree Plantation**

As a social responsibility NSS wing of WCOE has also conducted tree plantation activity on 27th July 2023 at Wadia College Campus and on 16th Feb 2024 at Nandagon during NSS

camp Tree planation was carried out with the hands of Principal Dr. M. P Dale, Head of department, NSS program office and NSS volunteers.



- **Cleanliness Drive- Swachhta Hi Seva (SHS) Campaign**

NSS volunteers organized a cleanliness drive on the college campus and surrounding areas On October 3, 2023



• **Fit India Freedom run 4.0**

Fit India Freedom run 4.0 was organized on 6th October 2023 which is start from Wadia College campus to Yerwada bridge and Yerwada bridge to Wadia college campus.

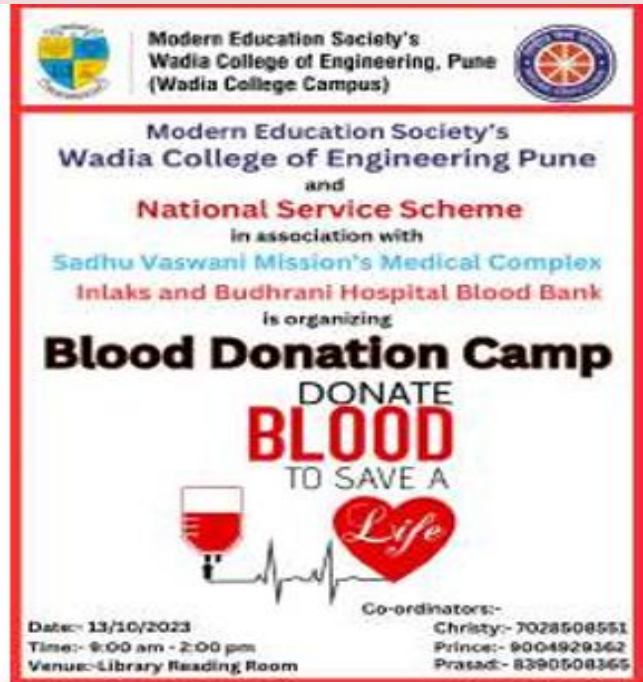


• Blood Donation Camp

Donating blood is a vital way to help save lives. Along with helping save lives, there are a number of reasons why donating blood is important. A single donation can save three lives. One blood donation provides different blood components that can help up to three different people. Blood cannot be manufactured. Despite medical and technological advances, blood cannot be made, so donations are the only way we can give blood to those who need it. As a social responsibility NSS unit of WCOE every year organized Blood Donation Camp, This year Blood

donation camp was arranged on 13th Oct 2023 in association with Sadhu Vaswani Mission's Medical Complex, Inlaks and Budhrani Hospital Blood Bank.

Blood Donation Camp was inaugurated by Principal Dr. M. P. Dale, Registers, All Head of Departments, Librarian; NSS program office, Student Development Officer, Faculty members and NSS volunteers. Dr. M. P. Dale briefed students and faculties about the importance of blood donation and organ donation, also briefed how it is important to society. She also gave guidelines of blood donation i.e. who should donate blood. More than 100 students and staff were registered for blood donation camp. Out of which around 65 units of blood were collected. All donors were provided with appreciation certificate along with Blood Group Certificate followed by refreshment.



- **NSS DAY CELEBRATION**

Student Development Officer, NSS program officer, sports in-charge, all teaching and non-teaching faculty members from college and all students along with the NSS Volunteers have contributed in “NSS DAY CELEBRATION” by giving the speech on NSS to create the awareness about the social work. Students have actively participated in poster making on “SAY NO TO PLASTIC”. Students have collected the plastic in college premises. **Date: 24th September 2023**



- **Stress Management Activity**

Dr. Manasi Jadhav delivered lecture on “Stress Management” dated on **16th October 2023**. This Activity promotes good mental and physical health of people through stress management.



- **Guest Lecture**

Dr. Milind Bhoi delivered lecture on “ Voice care for professionals and teachers” dated on 17 October 2023. Due to this klecture we came to know the how to Enhance voice quality through vocal training to improve communication skills and public speaking abilities.



6 Training & Placement Activity

Following BE Mechanical Students are selected in Campus interview with different companies in AY 2023-24 (SEM- I & II)

Sr. No.	Name	Company Name
1	Lagade Pavan	Thermax Limited
2	Burande Siddhant	Thermax Limited
3	Madke Sahil	Thermax Limited
4	Chavan Rohan	Thermax Limited
5	Mitkari Pankaj	Thermax Limited
6	Jawlekar Malhar	Thermax Limited
7	Ghadge Abhishek	Thermax Limited
8	Magar Hanumant	Thermax Limited
9	Parsewar Prabhas	Thermax Limited
10	Bhate Kapil	Thermax Limited
11	Tate Pranav	Thermax Limited
12	Roy Pavel	Thermax Limited
13	Shelar Pratik	Thermax Limited
14	Sonawane Anish	Thermax Limited
15	Sharma Anand	Thermax Limited

16	Damodar Prasanna	Thermax Limited
17	Gaikwad Pritam	Radiant heat Exchanger
18	JADHAV ATHARV	Radiant heat Exchanger
19	SATVIK BHARDWAJ	GVPL Technologies
20	Chitte Yash	Automotive Test System
21	DEVKATE ABHIJIT	SKF
22	BORSE JAYESH	Aeron System pvt ltd
23	Ghadage Ajinkya	Bomag India Pvt Ltd
24	Shendge Tanish	Bomag India Pvt Ltd
25	Sail Pratyush	Bomag India Pvt Ltd
26	Korde Shree	BRITANNIA INDUSTRIES LIMITED
27	RIDDHESH BHAMRE	BRITANNIA INDUSTRIES LIMITED
28	KALASKAR ATHARVA	Interval Poonawalla pvt ltd
29	MORAES AARON	GVPL Technologies
30	Lagade Vishal	Potain India Pvt Ltd
31	Solaskar Rohit	Potain India Pvt Ltd
32	KADAM ATHARVA	Potain India Pvt Ltd
33	Jadhav Rutuja	Shivamtech Pvt Ltd
34	More Pratapsinh	Eidiko
35	SAWANT ABHIJIT	ELO-Matic Indid Pvt LTD
36	Lohar Niranjana	Sam HVACR Services
37	Pawar Rushikesh	HYT Innovative Projects PVT.LTD
38	Sawant Harsh	Higher Studies Master Imperial University london
39	VINIT LULLA	Self Startup
40	Suryawanshi Jatin	Higher studies ME SPPU Pune
41	kapile Aditya	Higher Studies Master Nottingham trent University
42	Keswad Pratik	TE Conectivity
43	Thorat Tejas	Integrity Inc ka LucisIT Pvt Ltd
44	LOHAR PRATHAMESH	Self Startup
45	Bobade Vaibhav	TEDRA
46	Sherkhane Akash	3D Concept Analysis & Development (India) Pvt Ltd.
47	Jadhav Sanket	TETRA PAK INDIA PVT.LTD. CHAKAN
48	Birajdar Pratamesh	Amphenol Interconnect India Pvt. Ltd
49	Adarsh Lad	AGUATECH ENGINEERS PVT.LTD. PUNE
50	YASH HANDE	Higher Studies MS Technische Hochschule Ingolstadt
51	Sehran Altaf	Binani Technologies
52	PRAJWAL PATIL	Bharat Forge
53	Hrshikesh Shingade	Profive engineering Pvt Limited
54	Onkar Dhanawade	Bhairavnath Enterprises
55	Charul Patil	eamp Engineering Solutions Private Limited
56	Sanskarsingh Rajput	Self Startup Precimech Enterprises

Vision of Department

To groom Motivated, Environmental friendly, Self-esteemed, Creative and Oriented Mechanical Engineers

Mission of Department:

To Develop Industry Oriented Manpower to accept the challenges of Globalization by,

- Imparting mechanical engineering knowledge through trained faculty in conducive environment,
- Creating awareness about the needs of mechanical industries through alumni and industry-institute interactions
- Encouraging them to think innovatively and introduce them to various research activities
- Supporting them to groom in all aspects like communication, interpersonal skills.

Program Educational Objectives:

The following Program Educational Objectives are established for the Mechanical Engineering:

- I. To prepare students with strong foundation in mathematical, scientific and engineering fundamentals that will enable them to have successful career in Mechanical and Interdisciplinary Industries
- II. To prepare students for rapid technological change equipped with strong conceptual understanding of core and basic concepts of mechanical engineering
- III. To enable students to develop their knowledge and skills across the range of disciplines.
- IV. To prepare students for soft skills with good communication, ethical values and ability to work in a team
- V. To prepare students to strengthen their knowledge and skills through self-learning abilities throughout their professional career as well as to pursue higher education.

Mechanical Engineering Program Outcomes:

The Mechanical Engineering graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
13. **PSO I:** Apply principles of machine design, manufacturing, thermal engineering and management to identify, formulate and solve real life problems in various fields of engineering
14. **PSO II:** Use modern modeling, simulation techniques and computational tools.
15. **PSO III:** Develop practical solutions for mechanical engineering problems/processes under professional and ethical constraints.