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

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Mechanical Engineering Department News Letter

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Contents

From the HOD's Desk ……

During the **First semester** of academic year **2022-23,** 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 Text Books 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 key note 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 **[2022-23].**

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 **2022-23**.

Prof. H. S. Salave

Department of Mechanical Engineering- Semester-I [2022-23]

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:

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

Academic Monitoring Coordinator:

Prof. K. A. Mahajan

Exam Coordinator:

Prof. S .S. Jadhav

Academic Research Co-ordinator (ARC)/ PG Co-ordinator:

Dr. S. H. Gawande

NSS Coordinator:

Dr. B. D. Nandre

NBA/NAAC Coordinators:

Dr. A. C. Mitra
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. R. Varude

Guest Lecture/Industrial Visit Co-ordinator:

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

3. Departmental Activities

3.1 SAE BAJA'2022 Competition

In M-BAJA 2022 BAJA 2022 season with ALL INDIA RANK 10 in overall performance and All India Rank 7 in Maneurability

3.2 Industrial Visit

- **Prof. H. S. Salave and Dr.V. N. Raibhole** organized Industrial visit at Jai Jinendra Cold Storage Plant Wadki, Pune for BE Mechanical students under the subject "Heating Ventilation Air Conditioning and Refrigeration". Dated on 11 Nov. 2022

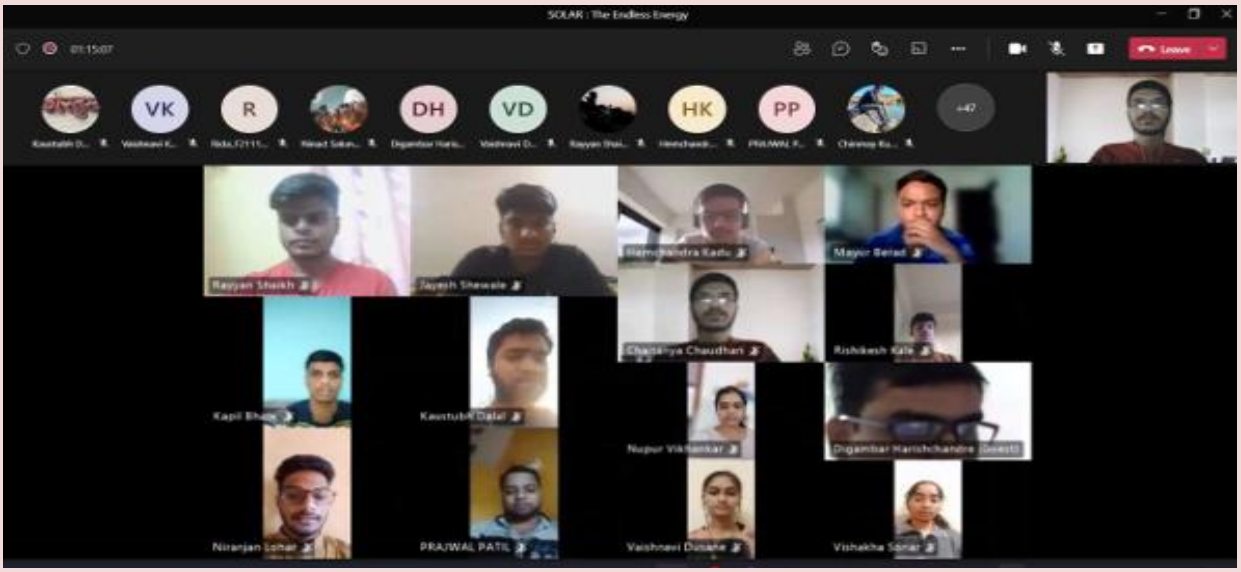
- **Prof. V. S, Mane and Tronix Team members** organized Industrial visit at Katraj Dairy, Pune Mechanical students under the "TRONIX Club". Dated on 12 November 2022

- **Dr. A. R. Patil and Mr. . Rajput** organized Industrial visit to India International EV Show 2022: IIEV Show Pune at Auto Cluster Exhibition Center, Chinchwad, Pune, Maharashtra India for TE mechanical students dated on 13 November 2022

3.3 Club Activities

- **TRONIX CLUB** organized event **"ROADMAP TO EMBEDDED SYSTEM"** for all Engineering students dated on **20 September 2022**. Co ordinator: **Prof. V. S. Mane.**

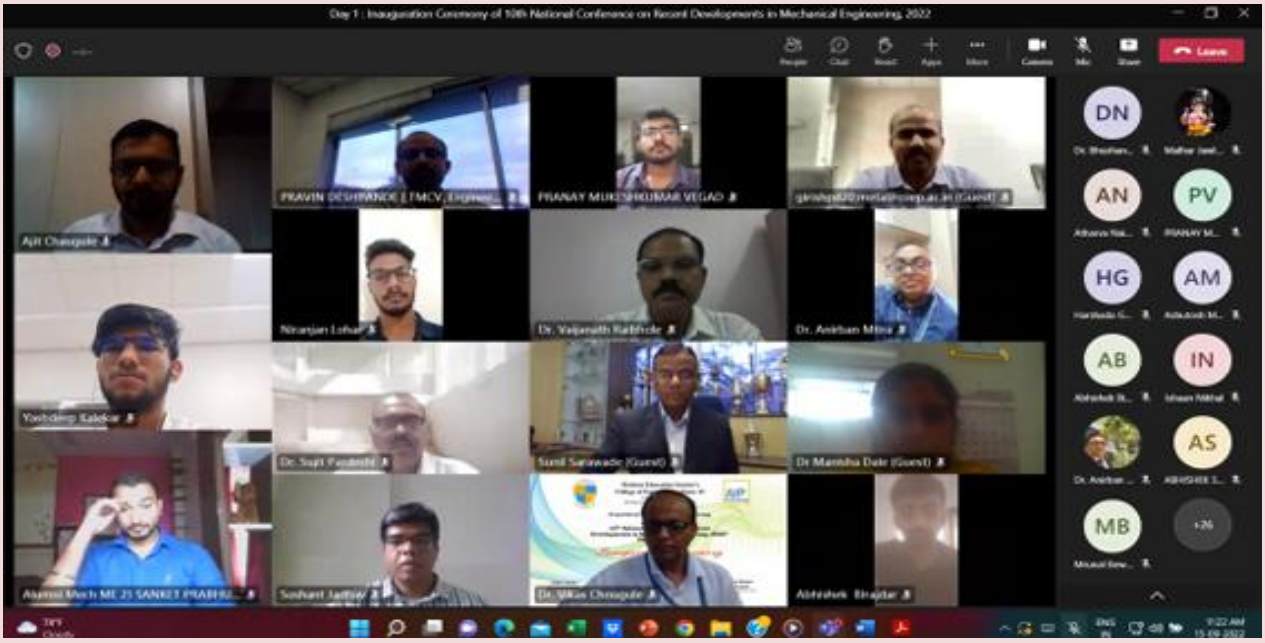
- **TECHNE CLUB** organized event **"SOLAR: The Endless Energy"** for all mechanical and other students dated on **7th February 2022. Co ordinator: Prof. V. S. Mane.**



3.4 RDME Conference-2022

The 10th National Conference on Recent Developments in Mechanical Engineering, 2022, Pune -01 [RDME 2022] has been successfully organized by Mechanical Engineering Department of Modern Education Society's College of Engineering, Pune 01 from 15-16 September 2022. The aim of RDME 2022 conference is to provide common platforms to students, researchers, faculty, and industry people from every corner of nation and hence create a medium for exchange of knowledge and information related to recent developments in the domain of mechanical engineering. Participants through this conference can share their work with experts and will get valuable feedback on

their work to produce quality outcome. **Organizing Secretary: -**Dr. B. D. Nandre, Dr. A. R. Patil



4 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 every day.

- **Har Ghar Tiranga Abhiyan**

Har Ghar Tiranga' is a campaign under the aegis of Azadi Ka Amrit Mahotsav to encourage people to bring the Tiranga home and to hoist it to mark the 75th year of India's independence.

5 Training & Placement Activity

Following BE Mechanical Students are selected in Campus interview with different companies in AY 2022-23 (SEM- I & II)

Sr. No.	Name	Company Name
1	Mophare Vedant	Bosch
2	Shendge Niyati	Bosch
3	SHAIKH RAYYAN	Bosch
4	Sarang Sanat	Bosch
5	GHODKE MANAS	Bosch
6	Zite Rohit	CADD Center
7	Randive Rohit	Classic
8	DESHMUKH PRATIK	Consultadd
9	Patil Samarth	Consultadd
10	GAJENDRA BAGI	Consultadd
11	Gaikwad Varsha	Endurance
12	Datarange Tohafik	Fine Equipment
13	Deshpande Suyog	Flowserve Sanmar
14	Borkar Tushar	Growel
15	Gavhande Abhijeet	Helical
16	Suryawanshi Krishna	Helical
17	WASTE SUDESH	Helical
18	Jadhav Ankit	Indian Post
19	Nikam Deven	Jamna Auto Ltd
20	thite Omkar	Jamna Auto Ltd
21	SHALRUSHI TANMAY	KSB
22	ABITKAR PRITHVIRAJ	MatrixMetal

23	NABARIYA ATHARVA	Mubea
24	Desai Mihika	Mubea
25	Sonawane Jayesh	Onward
26	Banarase Ritesh	Plastic Onnium
27	Pathan Imran	PLastic Onnium
28	Tilekar Prem	Rheprish PVT
29	Chaudhari Chaitanya	SAKA
30	Rutuja Jadhav	SHIVAMITECH
31	Salunkhe Ninad	Shramik
32	Kalshetti Vaishnavi	SIEMENS
33	George Mathew	SIEMENS
34	Lakariya Priyanka	SIEMENS
35	RAGADE SWAPNIL	TCS
36	Sarvesh Ashok Yeole	TCS
37	Shinde Saurabh	First Cry
38	SAWANT JAY	Thermax
39	SHINDE SAURAV	Thermax
40	Pratik Kisan Vishwasrao	Thermax
41	Thite Shubham	TFS
42	Patil Ankit	Faurecia Emission Control Technologies
43	Kamble Hritik	Hub Sports Equipments PVT LTD
44	Gurav Omkar	Universal Technocom Staffing Solution
45	Garad Shravan	SECO Tools India
46	Hiray Pranav	Hatchway
47	KHANDARE SAMYAK	PGDM
48	Patil Shreyash	Bharat Forge
49	DOLAS SHREYAS	PRABHA ENGINEERING PVT LTD
50	Shedge Mrunal	Bellfast Management Private Limited
51	FADAKE NITIN	Kotak Mahindra
52	PATIL TAPASYA	Simens
53	RASHINKAR KRUSHNA	Wissen Baum Engineering Solutions
54	Jadhav Prasad	AlSHAYA Group
55	Nagargoje Shubham	Lazer Ken IT Services India Private Limited Gurugram
56	Shendge shweta	Coforge
57	Gaikwad Vishal	Agiliad Technologies Private Limited
58	JADHAV ANKIT	dynaxcel Pvt. Ltd
59	Jain Vaibhav	Intelligent DX
60	Sapkal Somnath	Dista Technology Pvt Ltd
61	Shivsharan Mayur	Tridiagonal Solutions Pvt LTD
62	Patel Milind	Biltrax
63	VISHWASRAO	Themax
64	Dhaybar Vinayak	Logituit
65	Rohokale Mayur	Gamut INC Wilmington

66	Kharade Mayuri	Shhambhawee Services
67	Patil Vishal	sanmar
68	Bharate Pranav	TU Clausthal
69	Yadav Jaydip	Housing T & D PVT LTD
70	Mane SIDDHANT	Cooper Corporation PVT.LTD.
71	Bondare Akash	VI
71	VISHWASRAO Pratik	Themax
73	Rohokale Mayur	Gamut INC Wilmington
74	Patil Vishal	sanmar

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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.