



# Gear-Up!



*NEWSLETTER*

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*December | 2024*

*First Edition | Issue 1*

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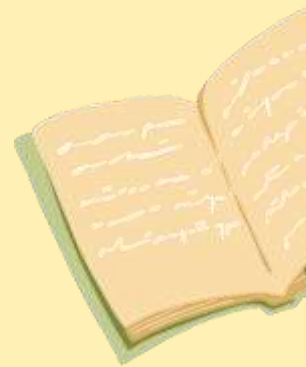


**Keystone School of Engineering**

**MECHANICAL ENGINEERING**

**DEPARTMENT**

**GEAR UP!**





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## FROM DIRECTOR DESK



It gives me immense pleasure to extend my warm greetings to all as we unveil the latest edition of our Departmental Newsletter. This publication is a reflection of the vibrant academic, co-curricular, and research activities within the department, and it stands as a testament to the dedication and excellence of our students, faculty, and staff.

To our students, I encourage you to continue striving for excellence and to actively contribute to make the department a center of innovation and learning. To our faculty and staff, thank you for your unwavering support in creating an environment that inspires growth and achievement.

Let this newsletter serve not just as a chronicle of past accomplishments, but also as a source of inspiration to propel us toward even greater heights. Together, let us continue our journey of excellence and make a meaningful impact on society.

**Prof. Yashodhan Soman**  
Director, Keystone School of Engineering

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## FROM PRINCIPAL DESK



Dear Students, Faculty, and Readers,

It gives me immense pleasure to present this edition of the departmental newsletter, a platform that reflects the achievements, innovations, and collaborative spirit of our vibrant community. The Mechanical Department has always been at the forefront of fostering academic excellence, technical innovation, and holistic development. This newsletter stands as a testament to the hard work, dedication, and creative efforts of our faculty and students. Let this newsletter inspire you to strive for greater heights, contribute meaningfully to society, and uphold the values of integrity and excellence.

I congratulate the editorial team for their commendable effort in compiling this publication and all contributors for sharing their inspiring stories and achievements. Together, let us continue to make Mechanical Department a hub of excellence and innovation

**Prof. Dr. Sandeep Kadam**  
Principal, Keystone School of Engineering





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## FROM HOD DESK



Dear Students, Faculty, Alumni, and Friends,

I am delighted to share with you the first edition of our departmental newsletter “GEAR UP”. This publication serves as a testament to the vibrant and dynamic community we have built together within the Mechanical Engineering Department. As we reflect on the past few months, it is inspiring to see the incredible achievements and milestones reached by our students, faculty, and alumni. Mechanical engineering continues to play a pivotal role in shaping the future through innovation and technology. Our department remains committed to fostering excellence in education, cutting-edge research, and meaningful industry collaborations.

I encourage you to explore this newsletter to learn more about our recent activities, achievements, and upcoming events. Thank you for being an integral part of our journey. Together, we will continue to make strides in advancing the field of mechanical engineering.

Prof. Pankaj Karande  
Head of Department, Mechanical



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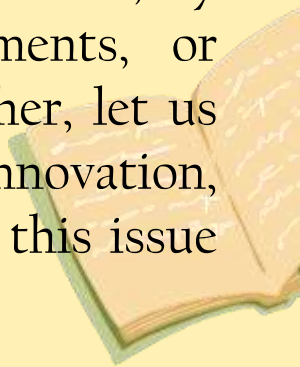
## FROM CHIEF EDITOR



It is with great enthusiasm that I, present to you the 1<sup>st</sup> edition of Mechanical Department Newsletter “Gear Up!”. This platform serves as a bridge to connect, inform, and celebrate the achievements of our vibrant departmental community.

Mechanical engineering continues to evolve at an unprecedented pace, driven by innovations in sustainable design, automation, and advanced manufacturing. In this edition, you will find insights into our latest research breakthroughs, student projects that push the boundaries of creativity, and faculty initiatives that shape the future of engineering education.

I encourage you to actively engage with this newsletter, by contributing your thoughts, sharing your achievements, or suggesting topics of interest for future editions. Together, let us continue to build a community that inspires innovation, collaboration, and excellence. I hope you enjoy reading this issue as much as we enjoyed putting it together.



Prof. Snehal Darekar  
Chief Editor



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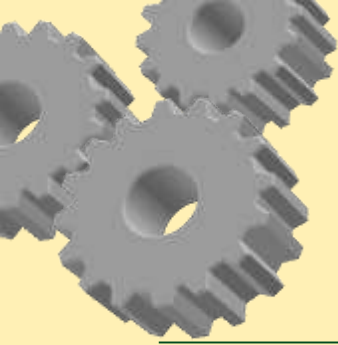
## INDUSTRIAL VISITS

Industrial visits for Mechanical Engineering students were arranged by the faculties at eminent industries. The main objective of these visits is to Bridge the Gap Between Theory and Practical knowledge.

1. Maxion Wheels at Kuruli, Chakan, Pune- 410501 the world's leading manufacturer of steel and aluminum wheels for passenger, commercial and specialty vehicles. Visit was planned on 15/10/2024
2. Royal Heritage Mall, NIBM Road, Pune- 411060 for air conditioning and ventilation on 18/10/2024
3. Katraj Dairy, Katraj, Pune- 411046 visit was planned for processing machining processes and boilers on 17/10/2024







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## GUEST LECTURE



ENGINEERING MINDSET session was held on 18/07/2024 by Prof. Dr. Dinesh Gupta which focused on current industry concept and development of students in order to motivate for development of new product ideas



INDUSTRY EXPERT session on 04/07/2024 by Mr. Santosh Dange from Bright Precision Pvt. Ltd. which was to give student exposure for mechanical engineering opportunities.



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## MECHANICAL ENGINEERING STUDENT ASSOCIATION (MESA)



Direct Second Year  
INDUCTION program was  
organized on 20/09/2024 by  
mechanical department. This  
induction aims to help students  
transition smoothly into the  
academic, technical, and  
cultural environment of the  
department.

Teacher's Day Celebration  
was held on 5<sup>th</sup> of  
September 2024 to honor  
and appreciate the  
contributions of teachers in  
shaping students' lives and  
futures. Different activities  
were arranged in  
department for celebration.







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Tiranga Rally was organized on 13/08/2024 to celebrate patriotism and honor the Indian National Flag, was conducted with great enthusiasm and participation



Tree Plantation Activity was successfully organized to promote environmental conservation and raise awareness about the importance of afforestation on 05/06/2024



Donation camp at orphanage Dharmveer Shambhu Anathaalaya on 19/10/2024 on the occasion of Diwali. Sweets and stationary were distributed



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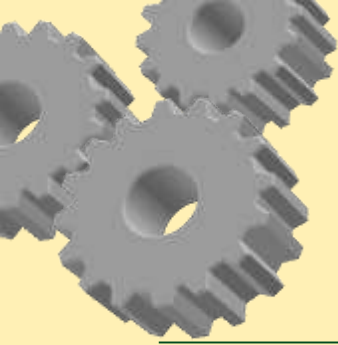
## FACULTY ACHIEVEMENTS

Our faculties participated in various Faculty Development Programs(FDP, STTP, Workshops, Seminars) Research Publications , Patents , Journal Papers , Conferences Research Projects in academic Year 2024-25 Semester 1

Sr. No	Name of Faculty	Number of FDPs, STTP's, Workshops, Seminars attended
1.	Prof. Pankaj Karande	7
2.	Prof. Pradip Karale	2
3.	Prof. Kaveri Katake	7
4.	Prof. Snehal Darekar	4
5.	Prof. Santosh Mane	1







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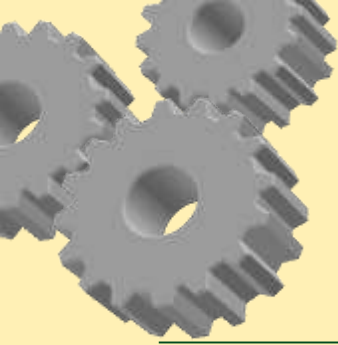
## FACULTIES ACHIEVEMENTS



Prof. Kaveri A. Katake received best paper award for paper entitled “Experimental and computational performance analysis of particle damping in spur gear for vibration suppression” in 7<sup>th</sup> International conference on Ideas, Innovations and Impact in science and Technology, 2024







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## STUDENT ACHIEVEMENTS



**SE- PYTHON- 5**

**TE- SCILAB= 7**

**BE- GEOGEBRA= 4**

**GREAT LEARNING - MATLAB -5**



**PLACEMENTS : 67**

**ENTREPRENEURS: 7**



**HIGHEST PACKAGE**

**SONALI CHAVAN - 11 LAKH**

**BRITISH PETROLEUM**