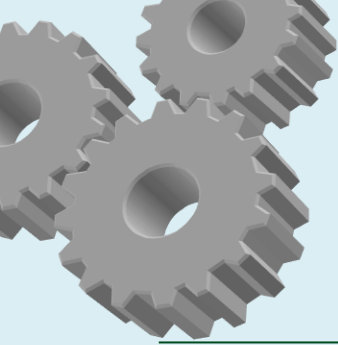




Gear-Up!



NEWSLETTER

June | 2026

Volume 1 | Issue 4



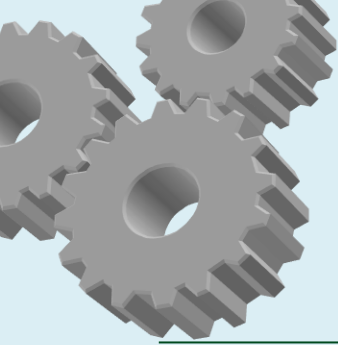
Keystone School of Engineering

MECHANICAL ENGINEERING

DEPARTMENT

GEAR UP!





Gear-Up!

NEWSLETTER



June | 2026

Volume 1 | Issue 4

FROM DIRECTOR DESK

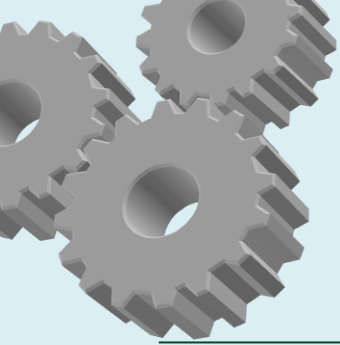


It is a great pleasure to convey my warm greetings to everyone as we present the latest edition of our Departmental Newsletter. This publication showcases the dynamic academic, co-curricular, and research activities of our department. It also reflects the commitment and excellence demonstrated by our students, faculty, and staff.

To the students, I urge you to keep striving for excellence and actively contribute toward making the department a hub of innovation and learning. To the faculty and staff, I extend my sincere appreciation for your continuous support in fostering an environment that encourages growth and achievement.

May this newsletter not only document our past accomplishments but also inspire us to reach greater heights in the future. Together, let us continue our pursuit of excellence and work toward making a meaningful impact on society.

Prof. Yashodhan Soman
Director, Keystone School of Engineering



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NEWSLETTER

June | 2026

Volume 1 | Issue 4

FROM PRINCIPAL DESK

Dear Students, Faculty, and Readers,

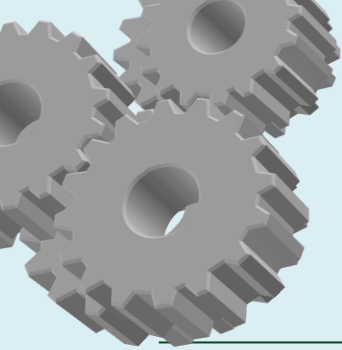
It is a matter of great pleasure to introduce this edition of the Departmental Newsletter, which serves as a platform highlighting the achievements, innovations, and collaborative spirit of our vibrant academic community. The Mechanical Department has consistently remained committed to promoting academic excellence, technical innovation, and holistic student development. This newsletter reflects the dedication, hard work, and creative contributions of both faculty and students.

May this publication motivate everyone to aim for higher goals, contribute meaningfully to society, and consistently uphold the values of integrity and excellence.

I sincerely appreciate the efforts of the editorial team for their excellent work in bringing out this publication, as well as all the contributors for sharing their inspiring achievements and experiences. Let us continue working together to establish the Mechanical Department as a center of excellence and innovation.

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





Gear-Up!



NEWSLETTER

June | 2026

Volume 1 | Issue 4

FROM HOD DESK



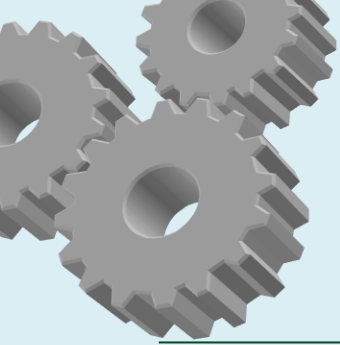
Dear Students, Faculty, Alumni, and Friends,

I am pleased to present Volume 1, Issue 4 of our departmental newsletter, titled “GEAR UP,” the inaugural edition of this publication. This newsletter reflects the vibrant and dynamic community that has been nurtured within the Mechanical Engineering Department.

Looking back over the past few months, it is truly motivating to see the noteworthy achievements and milestones accomplished by our students, faculty, and alumni. Mechanical engineering continues to play a crucial role in shaping the future through innovation and technological progress. In line with this, our department remains committed to excellence in teaching, advanced research, and strong industry collaborations.

I invite you to go through this edition to gain insights into our recent activities, accomplishments, and upcoming initiatives. I sincerely thank you for being an important part of this journey. Together, we will continue to make meaningful progress in advancing the field of mechanical engineering.

Prof. Pankaj Karande
Head of Department, Mechanical



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NEWSLETTER

June | 2026

Volume 1 | Issue 4

FROM CHIEF EDITOR



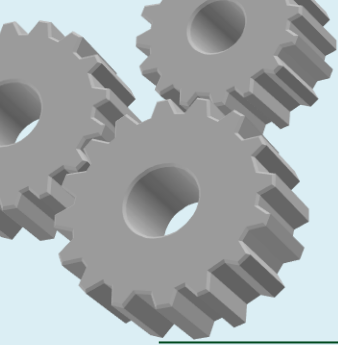
It is with great pride and enthusiasm that I present Volume 1, Issue 4 of the Mechanical Department Newsletter, titled “Gear Up!”. This edition reflects the energy, innovation, and dedication of our vibrant mechanical engineering community.

Mechanical engineering is evolving rapidly, driven by advancements in sustainability, smart automation, robotics, and modern manufacturing technologies. In this issue, you will find highlights of industrial visits, student projects, faculty initiatives, and collaborative efforts that showcase our vision of linking academic learning with real-world applications.

“Gear Up!” is a shared platform for everyone—a space to exchange ideas, showcase achievements, and encourage meaningful dialogue. It also bridges academia and industry by promoting knowledge sharing and awareness of emerging technologies. We invite readers to actively contribute by sharing projects, experiences, and suggestions for future editions.

Let us continue to move forward together—fostering innovation, strengthening collaboration, and building a future where our department excels in engineering excellence. I hope this edition informs, inspires, and engages you.

Prof. Santosh Mane
Chief Editor



Gear-Up!

NEWSLETTER



June | 2026

Volume 1 | Issue 4

Industrial Visits

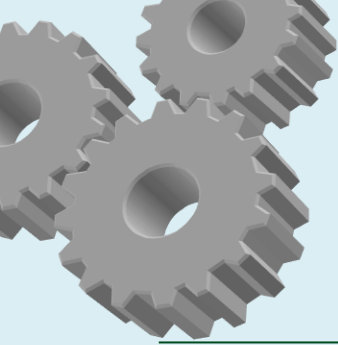
The Department of Mechanical Engineering organized Industrial Visits for students with the objective of bridging the gap between theoretical learning and practical exposure. These visits provided students with valuable insights into real-world engineering applications, industrial processes, and the latest technologies.

The following visits were conducted successfully:

Industrial Visit to Torque Car Service Centre

An industrial visit to Torque Car Clinic Service Centre, Pune, was organized on 06 May 2026 for Second Year Mechanical Engineering students. The visit provided practical exposure to automobile systems, engine components, and service procedures, helping students connect theoretical concepts of thermodynamics and fluid mechanics with real-world applications.





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NEWSLETTER

June | 2026

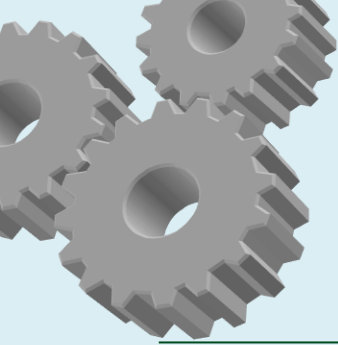
Volume 1 | Issue 4

INDUSTRIAL VISITS

Kirloskar Pneumatic Company Limited (KPCL)

An industrial visit to Kirloskar Pneumatic Company Limited (KPCL), Hadapsar, Pune, was organized on 17 April 2026 for Second Year Mechanical Engineering students. The visit provided practical exposure to manufacturing processes, compressor technology, quality assurance systems, and industrial safety practices, enhancing students' industry-oriented learning.





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NEWSLETTER



June | 2026

Volume 1 | Issue 4

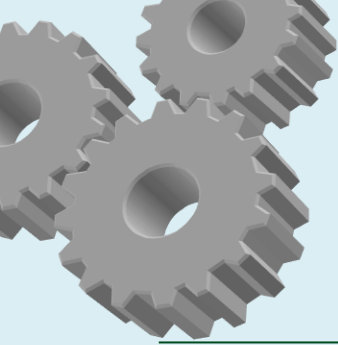
ALUMNI SESSIONS



An Alumni Talk was organized for Second Year Mechanical Engineering students and delivered by Mr. Mulla Oves, a Mechanical Engineering alumnus (2018 batch) currently working as an MEP Engineer in Bahrain. The session provided valuable insights into career planning, higher studies, and job opportunities in the HVAC industry, with a special focus on opportunities in Gulf countries.

An Alumni Interaction Session was conducted for Mechanical Engineering students by Mr. Shubham Gaikwad, a 2022 batch alumnus and Junior Costing Manager at Mahale Engineering. He shared insights on career opportunities in the costing field and emphasized the importance of practical skills and industry knowledge..





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NEWSLETTER

June | 2026

Volume 1 | Issue 4

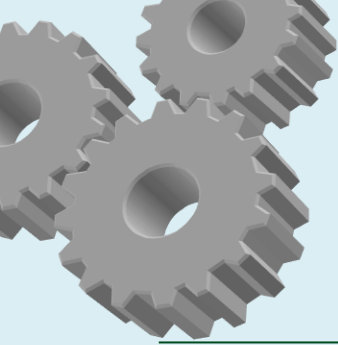
MECHANICAL ENGINEERING STUDENT ASSOCIATION (MESA)



Mini Exhibition

Project

A Mini Project Exhibition was organized by MESA on 07 April 2026 at the Mechanical Engineering Workshop to promote creativity, innovation, and practical learning among students. Second Year Mechanical Engineering students actively participated and showcased their mini projects, demonstrating their ability to apply classroom concepts into working models and prototypes.



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NEWSLETTER

December | 2025

Volume 1 | Issue 4

MECHANICAL ENGINEERING STUDENT ASSOCIATION (MESA)

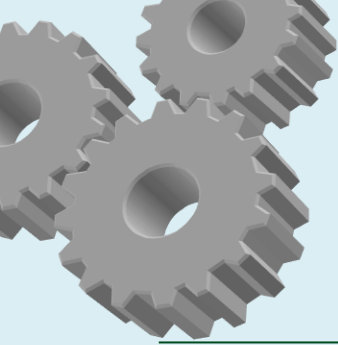


Blood Donation Camp

A Blood Donation Camp was successfully organized on 13 January 2026 in collaboration with the Rotary Club of Pune and Sahyadri Blood Bank, Pune.

The camp aimed to promote awareness about voluntary blood donation, encourage social responsibility among students, and contribute towards saving lives through this noble cause.





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NEWSLETTER



June | 2026

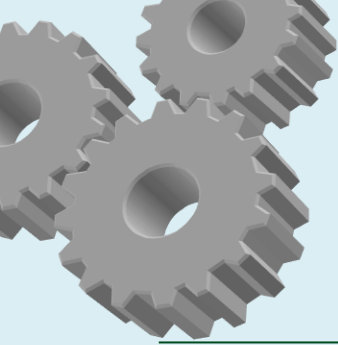
Volume 1 | Issue 4

MECHANICAL ENGINEERING STUDENT ASSOCIATION (MESA)

Women's Day Celebration

MESA celebrated International Women's Day on 08 March 2026 to honor the achievements and contributions of women. The event highlighted the importance of gender equality, women's empowerment, leadership, and fostering an inclusive and respectful society.





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NEWSLETTER

June | 2026

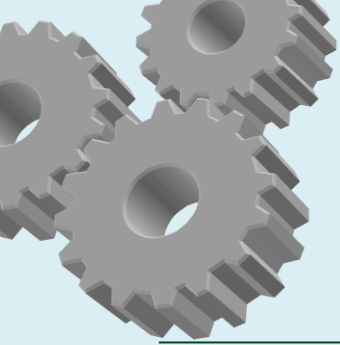
Volume 1 | Issue 4

ROBOTICS CLUB

Robotics Club Inauguration & Velocity X Robo Race

The Robotics Club successfully organized its Inauguration Ceremony, Club T-Shirt Launch, and the “Velocity X Robo Race” competition on 27 April 2026 at the Keystone Amphitheatre. The event aimed to promote innovation, teamwork, and technical skills among students through hands-on robotics and automation activities.





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NEWSLETTER

June | 2026

Volume 1 | Issue 4

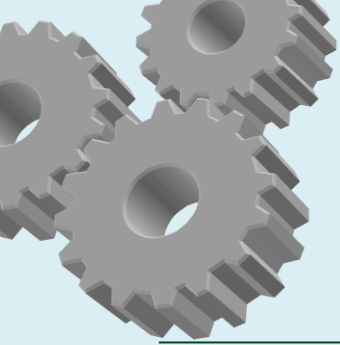
DEPARTMENT ACTIVITIES

Academic Achievers Engagement Initiative



A home visit initiative was conducted to interact with students and their parents regarding academic progress and college activities. Guidance was provided on effective study planning, and planning sheets were distributed to help students organize their subject-wise learning activities. The initiative aimed to motivate students and encourage better academic performance through active parent-student engagement.





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NEWSLETTER



June | 2026

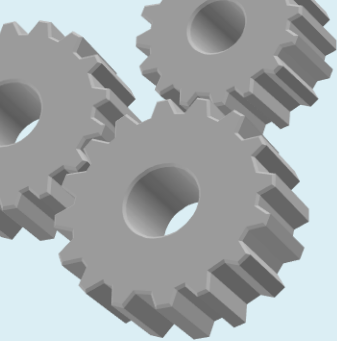
Volume 1 | Issue 4

SPORTS ACTIVITIES

Key-Karandak 2026

Students of the Mechanical Engineering Department actively participated in Key-Karandak 2026, showcasing their talent in various sports including cricket, football, basketball, and tug of war. The department's cricket team emerged as winners under the captaincy of Saurabh Shinde. The winning trophy was presented by actor Pravin Tarde, marking a proud moment of achievement and celebration for the team.





Gear-Up!

NEWSLETTER



June | 2026

Volume 1 | Issue 4

STUDENTS ACHIEVEMENTS



HAKKE SWAPNIL
SGPA- 8.59



GORE PRACHI
SGPA- 8.5



SHAIKH SANOBAR
SGPA-8.18



TOPPERS SEMESTER I
HEARTIEST
CONGRATULATIONS..



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
PRACHI VIJAY GORE
for successfully completing the course
Metal Cutting and Machine Tools
with a consolidated score of **60** %

Online Assignments	23.33/25	Proctored Exam	36.17/75
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Total number of candidates certified in this course: 267

Feb-Mar 2026
(4 week course)

Indian Institute of Technology Kharagpur

Skill India
शरीर भार - गुणवत्ता भारत

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

swayam

Roll No: NPTEL26ME56S1451803965 To verify the certificate No. of credits recommended: 2

Engineering Advances 2025
Second International Conference

Certificate

This is to certify that the paper entitled
Design and Implementation of a Data Acquisition System for Real-Time Temperature Monitoring and Analysis of an Automotive Radiator Cooling System
authored by
Swapnil Khong, Suraj Sangale, Kanifnath Kamathe, Pankaj Karande, Kavari Katak
is presented in the Engineering Advances 2025: Second International Conference held on 29 - 30 December 2025, organized by Pravara Rural Engineering College, Loni, Ahilyanagar, Maharashtra, India in association with Technology Research and Innovation Centre, Pune, India | Accra Technical University, Accra, Ghana | Academy of Nanotechnology and Waste Water Innovations, South Africa.

Dr. M. S. Mhaske
Convener

Dr. Sandip A. Kale
Scientific Chair

Dr. Laxman B. Abhang
Technical Chair

Dr. Amol Akolkar
Chairperson

Dr. S. M. Gulhane
Chairperson

Pravara Rural Engineering College, Loni, India

Technology Research and Innovation Centre, Pune, India

Accra Technical University, Ghana

Academy of Nanotechnology & Waste Water Innovations, SA

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SAURABH SHANKAR SHINDE
for successfully completing the course
Metal Cutting and Machine Tools
with a consolidated score of **50** %

Online Assignments	18.42/25	Proctored Exam	31.57/75
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Total number of candidates certified in this course: 267

Feb-Mar 2026
(4 week course)

Indian Institute of Technology Kharagpur

Skill India
शरीर भार - गुणवत्ता भारत

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

swayam

Roll No: NPTEL26ME56S1351801604 To verify the certificate No. of credits recommended: 2

Engineering Advances 2025
Second International Conference

Certificate

This is to certify that the paper entitled
A Comprehensive Review of Testing & Validation Methodologies For Composite Materials
authored by
Kavari Katak, Pankaj Karande, Sakshi Pawar, Sunil Zende, Suraj Bhujbal and Yash Patil
is presented in the Engineering Advances 2025: Second International Conference held on 29 - 30 December 2025, organized by Pravara Rural Engineering College, Loni, Ahilyanagar, Maharashtra, India in association with Technology Research and Innovation Centre, Pune, India | Accra Technical University, Accra, Ghana | Academy of Nanotechnology and Waste Water Innovations, South Africa.

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Chairperson

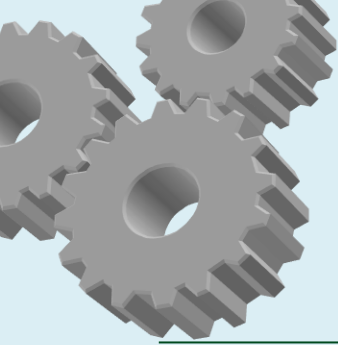
Dr. S. M. Gulhane
Chairperson

Pravara Rural Engineering College, Loni, India

Technology Research and Innovation Centre, Pune, India

Accra Technical University, Ghana

Academy of Nanotechnology & Waste Water Innovations, SA



Gear-Up!



NEWSLETTER

June | 2026

Volume 1 | Issue 4

FACULTY ACHIEVEMENTS



Prof. Pankaj Karande, Head of the Department of Mechanical Engineering, has been honored with the Rajyastariya Adarsh Shikshak Puraskar 2026 by Prime Tycon and the Rajya Adarsh Shikshak Puraskar 2026 organized by Be The Change Foundation, recognizing his outstanding contribution and dedication to the field of education.