Report on Road Safety Awareness Program

Organized by: Department of Mechanical Engineering
Date: 21/07/2025
Venue: Chemical Seminar Hall
Time: 10.00A.M.

The Department of Mechanical Engineering successfully organized a Road Safety Awareness Program in collaboration with the RTO Office, Kolhapur. The event aimed to educate students and staff about the importance of road safety, traffic regulations, and responsible behavior on the road.

The program began with a warm welcome address, followed by a felicitation ceremony. The chief guest for the event was Mr. Rohit Rathod Sir**,** RTO Officer, Kolhapur. He was felicitated by Dr. P. V. Mulik Sir, Head of the Mechanical Engineering Department. A formal introduction of the guest was given by Ms. Shrushti**.**

In his keynote address, Mr. Rathod Sir shared valuable insights into the current road safety scenario in India, the role of traffic regulations, and the critical need for spreading awareness among youth. His talk was highly informative and inspiring, encouraging students to become responsible citizens and follow traffic rules sincerely.

The event was graced by the presence of Prof. G. S. Kamble Sir, Academic Dean, who motivated the students with his thoughtful words. Dr. D. N. Mane Sir, Principal of the college, and Dr. S. M. Pise Sir, Dean of SETM, also extended their support and conveyed their best wishes for the success of the program.

The program witnessed enthusiastic participation from students, faculty, and non-teaching staff. The event concluded with a heartfelt vote of thanks, expressing gratitude to the dignitaries, organizing team, and attendees for making the event meaningful and impactful.

The session served as an important reminder of the role each individual plays in ensuring road safety and reinforced the department's commitment to social responsibility.


प्रादेशिक परिवहन कार्यालय, कोल्हापूर

Report on Teachers' Day Celebration

Date: 5th September 2025

Organized by: MESA

Teachers' Day was celebrated with great enthusiasm on 5th September 2025 under the banner of the Mechanical Engineering Students' Association (MESA**)** in our department. The program was attended by all faculty members, non-teaching staff, and students, creating a warm and respectful atmosphere to honor our teachers.

The event began with a formal prastavana (introduction) delivered by Mr. Sujal Lyker, who highlighted the significance of Teachers' Day and expressed gratitude on behalf of the students towards the teaching fraternity. Following this**,** Miss Nirzara Patil expressed her heartfelt views on the role of teachers in shaping students' careers and personal growth.

On this occasion, Dr. P. V. Mulik Sir shared his thoughts, emphasizing the values of dedication, knowledge sharing, and guidance that teachers impart to their students. His words inspired the gathering and reminded everyone of the noble responsibility teachers carry in nation-building.

Further, Prof. K. D. Joshi Sir explained in detail the importance of Teachers' Day, tracing its history and significance. He highlighted how the day commemorates the birth anniversary of Dr. Sarvepalli Radhakrishnan**,** the great teacher, philosopher, and former President of India, and motivated the students to respect and cherish the contributions of their teachers.

The celebration was conducted successfully with active participation from students and faculty members. The program concluded with a vote of thanks, expressing appreciation to everyone who contributed to making the event memorable.

The Teachers' Day celebration under MESA not only strengthened the bond between students and teachers but also instilled a sense of respect and gratitude among all participants.


DEPARTMENT OF
CHANICAL ENGINEERING

Report on *Mission Zero Drugs* Seminar

Organized by: Mechanical Engineering Students' Association (MESA)
Venue: Civil Seminar Hall
Date: 12/08/2025 3.00PM

The Mechanical Engineering Students' Association (MESA) successfully organized a seminar on Mission Zero Drugs in collaboration with the Kodoli Police Station. The program aimed at spreading awareness among students about the harmful effects of drugs and the importance of building a healthy, drug-free society.

The seminar was graced by distinguished guests Shri Appaso Powar Sir, DYSP, Shahuwadi, Kolhapur, and Shri Kailash Kodag Sir, API, Kodoli. Both the officers shared their valuable insights on the growing challenges of drug abuse and emphasized the role of youth in eradicating this menace from society. Their interactive sessions inspired the students to take a strong stand against drug consumption and to be ambassadors of awareness in their communities.

The event was conducted in the presence of our respected Principal, Dr. D. N. Mane Sir, Dean of SETM, Dr. S. M. Pise Sir, and Dr. N. S. Dharashivakar Sir, who encouraged students to actively participate in such social awareness initiatives.

As a mark of respect, the guests were felicitated by the dignitaries of the institute. The formal introduction of guests was given by Shrushti, followed by enlightening talks and an engaging discussion with students.

The seminar concluded with a vote of thanks, expressing gratitude to the dignitaries, faculty members, and students for making the program a success. The active participation of students reflected their awareness and commitment towards building a drug-free society.

The Mission Zero Drugs seminar organized by MESA not only enriched students with knowledge but also motivated them to lead by example in promoting a healthy lifestyle.


TKIET
WARANANAGAR


TKIET
WARANANAGAR
MISSION ZERO
DRUG

One Page Webinar Report on Introduction to the BMS Course

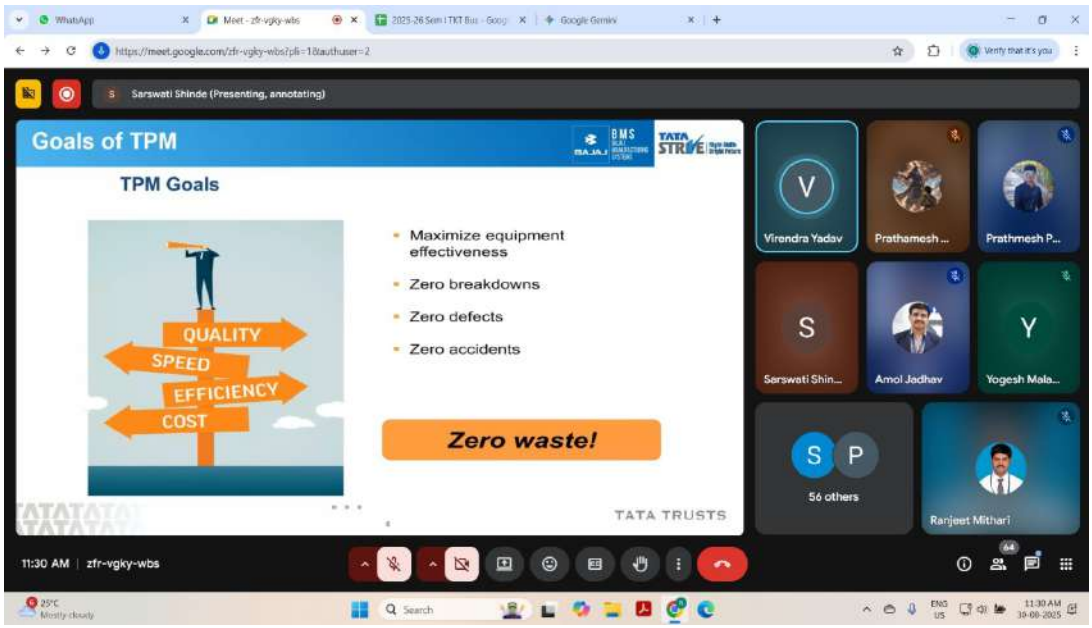
Date: 30th August 2025
Time: 11:00 AM – 12:00 PM
Platform: Google Meet

The Department of Mechanical Engineering, in collaboration with MESA, Tata STRIVE, and Bajaj Auto Limited (BAL), successfully conducted a webinar on *"**Introduction to the BMS (Bajaj Manufacturing Systems) Course**"* on 30th August 2025. The program was designed to familiarize students with Total Productive Maintenance (TPM) concepts and industry-relevant training modules developed under the CSR initiative of Bajaj Auto Ltd. The BMS Program, delivered through Tata STRIVE, focuses on skill development and employability enhancement for diploma and engineering trainees through a structured self-paced digital course. The curriculum includes exposure to real-world manufacturing practices, industry sessions, competitions, and project-based learning.

The webinar was graced by the presence of Mr. Yogesh Gijavane, Tata STRIVE representative, who gave a comprehensive introduction to the program and its relevance to future industry professionals. Further, Mr. Amol Jadhav and Mrs. Saraswati Madam explained the conduction process of all modules in online mode through the Bajaj Auto LMS platform. The curriculum currently consists of eleven modules, namely 5S, Poka Yoke, Motion Economy, Basic Safety, 7 Abnormalities, 7 Wastes, Quality Concepts, 7 QC Tools, Visual Display, ECRS, and OHNO Circle with CLIRt, with additional TPM and soft skills modules to be introduced in the future.

A total of 123 students from the Mechanical Engineering Department successfully completed the modules, and Tata STRIVE appreciated the department for achieving the fastest completion. Notably, the first 10 students were recognized with certificates for their outstanding participation and timely completion. In addition, Tata STRIVE organized dedicated batches to support smooth conduction of the program. Prof. Ranjeet Mithari, MESA Faculty Adviser, also shared his views about the program and highlighted the importance of such initiatives in bridging the gap between academics and industry while encouraging students to actively participate in similar learning opportunities.

The webinar proved to be a highly insightful session, providing students with an understanding of the importance of TPM and modern manufacturing practices. It motivated them to adopt structured learning approaches, apply problem-solving tools, and align with industry expectations. The collaborative efforts of MESA, Tata STRIVE, and Bajaj Auto Limited have significantly enhanced the employability prospects of the students while preparing them to meet future industrial challenges.



Report on Celebration of Engineers' Day

Organized by: Mechanical Engineering Students' Association (MESA)
Venue: Tatyasaheb Kore Institute of Engineering & Technology, Warananagar
Date: 15/09/2025 at 11.30 A. M.

On the occasion of Engineers' Day, the Mechanical Engineering Students' Association (MESA) organized an expert lecture on the topic *"***Ozone and Air Quality – An Invisible Connection***"*. The session was delivered by Mr. Srujeet Shinge Sir, who provided valuable insights into the relationship between ozone levels and overall air quality, highlighting the pressing environmental challenges faced today.

The program began with a warm welcome of the guest by Ms. Nirzara Patil, followed by the felicitation of the speaker by Prof. G. S. Kamble. Ms. Manasvi More introduced the guest, presenting his achievements and expertise in the field.

During the talk, Mr. Shinge explained the scientific aspects of ozone formation, its dual role as both a protective shield and a pollutant, and its impact on air quality and human health. He also emphasized the importance of sustainable practices, innovative technologies, and the responsibility of engineers in mitigating environmental issues. The lecture provided students with a deeper understanding of environmental sustainability and the crucial role engineers play in addressing climate-related challenges.

The event was graced by Dr. P. V. Mulik, Head of Mechanical Department, faculty members, and a large number of enthusiastic students. Their active participation made the session highly interactive and impactful.

The program concluded with a vote of thanks by Ms. Shravani Bhosale, who expressed gratitude to the guest, dignitaries, faculty, and students for making the Engineers' Day celebration meaningful and successful.

The expert talk not only celebrated the spirit of Engineers' Day but also sensitized students towards their role in building a cleaner and healthier environment.

Prof. R. S. Mithari	Prof. G. S. Kamble	Dr. P. V. Mulik
MESA Coordinator	Academic Coordinator	Head of Dept.

Blood Donation Camp

Name of the Activity: Blood Donation Camp

Date: 04/10/2025

Venue: Mechanical Seminar Hall

Organized by: Mechanical Engineering Students' Association (MESA) and National Service Scheme (NSS)

Collaborating Agency: Vaibhav Laxmi Blood Center, Kolhapur.

Objective of the Activity:

- To promote social responsibility and humanitarian values among students
- To create awareness about the importance of voluntary blood donation
- To contribute to society by supporting healthcare needs through blood collection

Description of the Activity:

A Blood Donation Camp was organized jointly by the Mechanical Engineering Students' Association (MESA) and the National Service Scheme (NSS) on 4th October 2025 at the Mechanical Seminar Hall, on the birthday of Dr. Vinayraoji Kore Saheb. The camp was conducted in collaboration with Vaibhav Laxmi Blood Center, Kolhapur, which provided the necessary medical staff and equipment for safe and hygienic blood collection.

The programme was graced by the presence of Dr. V. V. Karjini, CEO, WaranaShikshan Mandal, who addressed the gathering and highlighted the importance of blood donation as a lifesaving and socially responsible act. He appreciated the initiative taken by MESA and NSS to organize such a meaningful activity.

The event was also attended by Dr. S. M. Pise, Dean, SETM; Dr. D. N. Mane, Principal; and Dr. P. V. Mulik, Head of the Mechanical Engineering Department. All dignitaries motivated students to actively participate in social service activities and emphasized the role of youth in nation-building.

The camp received an enthusiastic response from students, faculty members, and staff. Under the supervision of medical professionals from Vaibhav Laxmi Blood Center and with the support of NSS volunteers and MESA members, the activity was conducted smoothly while strictly adhering to all safety and hygiene norms.

Outcome of the Activity:

- A total of 100 bottles of blood were successfully collected
- Increased awareness among students about voluntary blood donation
- Strengthened the spirit of social responsibility and community service
- Encouraged active participation of students in extension and outreach activities

Beneficiaries:

- Patients in need of blood through Vaibhav Laxmi Blood Centre
- Students and staff who gained awareness and motivation towards social service

Conclusion:

The Blood Donation Camp was successfully conducted and achieved its objectives. The active participation of students, faculty, and staff, along with the support of Vaibhav Laxmi Blood Centre and the guidance of the management, made the activity a meaningful contribution to society.

EVENT REPORT: ONE-DAY PLACEMENT DRIVE

Academic Year: 2025-2026

Organizing Body	Mechanical Engineering Students Association (MESA)
Department	Department of Mechanical Engineering
Institution	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
Date of Event	17th February 2026
Time	9:00 AM Onwards
Venue	Departmental Seminar Hall / Computer Labs
Total Participants	105 Students

1. Introduction

The Department of Mechanical Engineering, under the aegis of the **Mechanical Engineering Students Association (MESA)**, organized a "One Day Placement Drive." This initiative was designed as a mock recruitment simulation to bridge the gap between academic learning and corporate expectations. The event aimed to equip students with the necessary rigor required for competitive campus placements.

2. Objectives

- To simulate a professional campus recruitment environment.
- To enhance quantitative aptitude and analytical reasoning capabilities.
- To evaluate and strengthen the technical core competency of students.
- To refine soft skills, including group dynamics and interpersonal communication.
- To alleviate interview anxiety and build professional confidence.

3. Participation Profile

The drive saw enthusiastic participation across different academic years:

- **First Year:** 42 Students
- **Second Year:** 21 Students
- **Third Year:** 42 Students
- **Total Attendance: 105**

4. Execution Process (Selection Rounds)

The drive followed a rigorous four-stage elimination process:

1. **Round 1: General Ability Test:** Focused on logical reasoning and aptitude.
   (105 appeared, 53 qualified).
2. **Round 2: Technical Ability Test:** Assessed core mechanical engineering concepts.
   (53 appeared, 25 qualified).
3. **Round 3: Group Discussion (GD):** Evaluated communication and leadership.
   (Panel: Prof. R. T. Salunkhe, Prof. P. V. Kamble, Prof. S. H. Patil, Prof. N. S. Dharshivkar).
4. **Round 4: Personal Interview (PI):** A formal HR & Technical interaction.
   (Panel: Prof. R. T. Salunkhe, Prof. P. V. Kamble, Prof. S. H. Patil).

5. Key Outcomes

- **Experiential Learning:** Students gained first-hand exposure to the pressure and structure of corporate hiring.
- **Skill Assessment:** Participants identified their strengths and weaknesses in technical and aptitude domains.
- **Professional Grooming:** The GD and PI rounds significantly improved the participants' body language and verbal articulation.
- **Benchmarking:** The declaration of the "Top 5 High Scorers" fostered a healthy competitive spirit within the department.

6. Conclusion

The One Day Placement Drive concluded successfully, meeting all its predefined objectives. By engaging 105 students in a systematic selection procedure, the event served as a vital stepping stone in the career development roadmap of the Mechanical Engineering department.

Round One:

Round Two:

Group Discussion:

Final Round :

Insightful Interaction Session with Industry Leadership

Organized by: Mechanical Engineering Students Association (MESA)

Date: April 16, 2026

1. Overview of the Session

On April 16, 2026, the Mechanical Engineering Department hosted a high-profile interaction session featuring **Mr. Petr K.**, Indian Head of Operations and Global Head of Rail Operations at M/S Wikov MGI A.S. (Czech Republic). The event served as a strategic platform for knowledge exchange between global industrial leadership and the institution's academic heads, including CEO Dr. V. V. Karjinni, Principal Dr. D. N. Mane, Dean Dr. S. M. Pise, and Head of Mechanical Department Dr. P. V. Mulik and Acadmic coordinator Prof. G. S. Kamble

2. Key Discussion Themes & Insights

Mr. Petr K. shared extensive insights into the global rail industry and high-precision manufacturing. The core of the interaction focused on:

- Global Rail Operations: Advancements in gearbox technology for locomotives and metros, emphasizing Wikov's role in European and Indian rail corridors.
- Precision Engineering: The critical importance of adhering to international standards in mechanical design and the implementation of robust manufacturing protocols.
- Industry 4.0 in Rail: The integration of digital monitoring and condition-based maintenance in heavy-duty transmission systems.

3. Faculty Interaction & Knowledge Exchange

A dedicated session was held with the Mechanical Engineering faculty, HODs, and Deans. The dialogue centered on:

- Curriculum Alignment**:** Identifying specific technical competencies required by global firms like Wikov, particularly in gear dynamics and vibration analysis.
- Research Collaboration**:** Potential avenues for joint research projects between the institution and Wikov MGI to solve industrial challenges.
- Skill Development**:** The necessity of training students in advanced mechanical concepts to meet "Make in India" manufacturing requirements.

4. Departmental & Science Park Visit

Following the formal discussion, Mr. Petr K. visited the Mechanical Engineering Department laboratories and the Science Park.

- Lab Review**:** He evaluated the existing infrastructure and suggested modernizations to align with current industrial testing standards.
- Science Park Engagement**:** He expressed appreciation for the practical models showcased, noting the importance of early-stage exposure to mechanical principles for students.

5. Conclusion & Takeaways

The visit by Mr. Petr K. concluded with a roadmap for future engagement. The session underscored the vital link between academic theory and global industrial practice. MESA successfully facilitated an environment where faculty and leadership could gain a "global-first" perspective on the future of mechanical and rail engineering.

Key Outcomes:

1. Initiation of a dialogue for potential internships and industrial visits at Wikov MGI.
2. Expert feedback on the department’s technical facilities.
3. Enhanced understanding of European engineering standards among the faculty.


Department
of
Mechanical


Department of
Mechanical Engineering
ANSYS
MATLAB
MASTERCAM
MITNEST
AUTOCAD
AVEVA
CATIA V5