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**TULSIRAMJI GAIKWAD-PATIL**  
**College of Engineering & Technology**

(Approved by AICTE, New Delhi and Govt. of Maharashtra & Affiliated to MSBTE, Mumbai)



**POLYTECHNIC**

# “YANTRIK”

## DEPARTMENT OF MECHANICAL NEWSLETTER

2024-2025

EVEN SEMESTER

### SUSTAINABLE MOBILITY AND SMART MECHANICS

DRIVING THE FUTURE OF AUTOMOTIVE ENGINEERING



# INDEX

| Sr. No | Contents                        | Page No |
|--------|---------------------------------|---------|
| 1      | Innovate, Integrate, Accelerate | 3       |
| 2      | Vision & Mission                | 4       |
| 3      | Inspire, Empower                | 5       |
| 4      | Pillars of Innovation           | 6       |
| 5      | Vision in Motion: Dean Desk     | 7       |
| 6      | Leading the Drive: Hod Desk     | 8       |
| 7      | Editorial Board                 | 9       |
| 8      | Our Global Outlook              | 10      |
| 9      | Global Significance             | 11      |
| 10     | World-Scale Influence           | 12      |
| 11     | Beyond the Classroom            | 13-19   |
| 12     | Young Voice                     | 20-24   |
| 13     | Outstanding Performers          | 24-25   |
| 14     | Thanks to Japan                 | 26      |

**“Engineering the Shift from Fuel to Future.”**



# ***“Innovate, Integrate, Accelerate”***

The Department of Mechanical Engineering proudly presents this edition of our college newsletter, themed **“Sustainable Mobility and Smart Mechanics: Driving the Future of Automotive Engineering.”** This issue highlights the spirit of innovation, sustainability, and technological advancement that defines the future of mechanical and automotive industries. The world is rapidly shifting toward **green mobility and intelligent engineering solutions**. Automotive design is no longer limited to speed and performance — it now embraces **efficiency, sustainability, and digital intelligence**. The rise of **electric vehicles (EVs), hybrid technologies, and autonomous systems** signifies how mechanical engineers are redefining the limits of mobility while ensuring a sustainable impact on our environment.

At the heart of this evolution lies the concept of Smart Mechanics — the intelligent integration of AI, robotics, IoT, and advanced materials with traditional mechanical principles. This fusion enables vehicles to not only perform but also think, learn, and adapt. From Japan’s precision engineering to India’s growing innovation ecosystem, the global automotive sector is accelerating toward a smarter, cleaner, and more connected future.

Our Mechanical Engineering Department is deeply committed to preparing students for this new era of engineering. Through **Outcome-Based Education (OBE)**, hands-on projects, and industry collaborations, we aim to cultivate the next generation of engineers who can design solutions that balance performance with sustainability. The students and faculty continuously engage in research and innovation that address real-world challenges, particularly those in mobility and energy efficiency.

This newsletter serves as a reflection of our department’s vision — to engineer responsibly, innovate intelligently, and lead sustainably. It celebrates the achievements, ideas, and forward-thinking mindset of our students and faculty who are shaping the future of automotive engineering.



***“Engineering the Shift from Fuel to Future.”***

# ***"Vision that Inspires, Mission that Empowers"***

## **Vision of Institute**

**To emerge as a learning Center of Excellence in the  
National Ethos in Diploma in Engineering.**

## **Mission of Institute**

**M1:** To elevate the standards of students through ethical practices.

**M2:** To provide facilities and services to meet the challenges of Industry and Community.

**M3:** To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices.



# ***"Vision that Inspires, Mission that Empowers"***

## **Vision of Department**

**To be a premier center for producing competent Mechanical Engineers to cater the ever-changing industrial demands and societal needs.**

## **Mission of Department**

- **To provide better environment to the students and faculty members, creating an ambience conducive for excellence in Mechanical Engineering education.**
- **To strengthen industry institute interaction to made the challenges of industry and society.**
- **To impart quality technical education to inculcate moral values, professional ethics and entrepreneurial qualities.**

# ***Empowering Outcomes, Inspiring Excellence***

## **Programme Educational Objectives**

**PEO 1:** Provide socially responsible, environment friendly solution to mechanical engineering related broad-base problem adopting professional ethics.

**PEO 2:** Adapt state of the art, mechanical engineering broad-based technologies to work in multi-disciplinary work environment.

**PEO3:** Solve broad-based problems individually and as team member communicating effectively in the world of work.

## **Programme Specific Outcomes**

**PSO 1:** Modern Software Usage: Use latest mechanical related software for simple design, drafting, manufacturing, maintenance and documentation of mechanical components and processes.

**PSO 2:** Maintenance and selection of machines, equipment, instruments: Maintain and select appropriate machine, equipment and instrument in field of Mechanical Engineering.

**PSO 3:** Manage Mechanical Process: Manage the mechanical process by selection and scheduling right type of machinery, equipment, substrates, quality control techniques, operational parameters and software for a particular mechanical process or job for economy of operations.

# ***Empowering Outcomes, Inspiring Excellence***

## **Programme Outcome**

- 1. Basic and Discipline specific knowledge:** Apply the knowledge of basic mathematics, science, engineering fundamentals, and an engineering specialization to solve the engineering problems.
- 2. Problem analysis:** Identify and analysis well-defined engineering problems using codified standard methods.
- 3. Design/ development of solutions:** Design solution for well-defined technical problems and assist with the design of system components or processes to meet specified needs.
- 4. Engineering tools, experimentation and testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- 5. Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- 6. Project Management:** Use engineering management principles individually, as a team member or a leader to manage project effectively communicate about well defined engineering activities.
- 7. Life-long Learning:** Ability to analysis individual needs and engage in updating in the context of technological changes.



# The Pillar of Innovation

## About TGPCET

Tulsiramji Gaikwad Patil College of Engineering and Technology (TGPCET) second shift Polytechnic was established in the year 2013 by VidarbhaBahu-uddeshiya Shikshan Sanstha(VBSS), a registered society. It is self- financed Private Polytechnic, which is affiliated to Maharashtra State Board of Technical Education (MSBTE).Mumbai and is approved by All India Council for Technical Education, New Delhi.

## ABOUT DEPARTMENT

*“The Dynamic Realm of Mechanical Engineering:  
Where Innovation Meets Precision”*

The Department of Mechanical Engineering stands as a cornerstone of technological evolution — a discipline that merges creativity with scientific rigor to shape the machinery of modern civilization. Often referred to as the “mother branch” of engineering, Mechanical Engineering transcends traditional boundaries, empowering students to design, analyze, and innovate systems that define human progress.

**“Engineering the Shift from Fuel to Future.”**

# A Vision in Motion

## Message from the DEAN



**Dr. Aasif Baig**

**Dean Polytechnic**

**Warm greetings to all readers, faculty members, and aspiring engineers!**

It gives me great pleasure to present this edition of our **Automotive Engineering Newsletter**, published by the **Department of Mechanical Engineering**, centered on the theme “**Sustainable Mobility and Smart Mechanics: Driving the Future of Automotive Engineering.**” This theme reflects our collective vision of shaping a future where technology, sustainability, and innovation come together to redefine the world of mobility. The automotive industry today is witnessing a historic transformation. The global shift toward **electric vehicles, intelligent systems, and sustainable technologies** has opened new avenues for mechanical engineers to lead with creativity and responsibility. From developing **energy-efficient power- trains** to integrating **AI-based automation**, mechanical engineering continues to form the backbone of every innovation in the automotive sector.

Our department has always encouraged students to align their learning with emerging trends. Through research projects, industry collaborations, and hands-on technical training, we ensure that our students gain the skills and vision necessary to become global engineers of the future. The integration of Outcome-Based Education (OBE) further strengthens our commitment to providing quality education that leads to measurable, real-world outcomes.

This newsletter captures the spirit of progress within our department showcasing achievements, innovations, and initiatives that embody the theme of sustainable mobility and smart mechanics. It is a reflection of our continuous effort to promote academic excellence, professional growth, and responsible engineering.

As we move forward, I urge our students and faculty to continue embracing innovation and sustainability as guiding principles. Together, let us engineer intelligent mobility solutions that not only drive the industry forward but also protect and preserve our planet for generations to come.

**MESSAGE :** “*Engineering the Future — Driving Innovation, Powering Sustainability.*”

# Leading the Drive

## Words from The HoD



**Dr. Niteen Kakde**

**HoD, Mechanical Department**

**Warm greetings to all readers, faculty members, and budding engineers!**

It gives me immense pleasure to present this edition of our **Automotive Engineering Newsletter**, published by the Department of Mechanical Engineering, based on the theme “**Sustainable Mobility and Smart Mechanics: Driving the Future of Automotive Engineering**”. This theme holds a special place in my heart, as my recent academic journey abroad gave me a new perspective one that made me rethink how India can adopt and accelerate its path toward sustainable and intelligent mobility solutions. Across the globe, nations are rapidly embracing green mobility, electric vehicles (EVs), automation, and smart manufacturing systems. Witnessing these transformations abroad reinforced my belief that India has immense potential to lead in the field of sustainable automotive innovation if we combine our engineering expertise with futuristic vision.

Our department has always strive to cultivate this vision among students. Through Outcome-Based Education (OBE), hands-on learning, and research-driven initiatives, we aim to empower young engineers to think critically, design creatively, and innovate sustainably. Every project, workshop, and seminar conducted under this theme encourages students to explore the intersection of mechanics, automation, and environmental responsibility.

This newsletter reflects the collective effort of our students and faculty, highlighting achievements, ideas, and innovations that define the essence of future mobility. It also serves as a reminder that the world of automotive engineering is not just about machines it's about creating a smarter, cleaner, and better future for humanity. As we continue this journey, I encourage every student to dream beyond limits, to innovate with purpose, and to take pride in engineering solutions that drive India toward global leadership in sustainable mobility.

**MESSAGE :** *“From Vision to Innovation , Engineering India’s Sustainable Future.”*

# Editorial Board



**Dr. Niteen Kakade**  
Editorial Chief

## Faculty Co-ordinator



MR. KUNAL KUMAR SINGH



MR. YOGESH RAMTEKE

## Student Co-ordinator



MR. JATIN HATGHARE



MR. UMESH BOPACHE



MS. YAMINI YELNE



# The Strength Behind Student Success

| Sr. No | Name                               | Current Designation | Date of Joining |
|--------|------------------------------------|---------------------|-----------------|
| 1      | Dr. Niteen T Kakade                | HOD                 | 23/12/2014      |
| 2      | Mr. Yogesh Shivhari Ramteke        | Lecturer            | 15/8/2018       |
| 3      | Mr. Sandip Anandrao Barkamkar      | Lecturer            | 31/1/2013       |
| 4      | Mr. Rajat Ajay Gajbhiye            | Lecturer            | 4/7/2022        |
| 5      | Mr. Kunal Kumar Singh              | Lecturer            | 5/7/2021        |
| 6      | Mr. Nikhil Mahadev Nagose          | Lecturer            | 4/5/2020        |
| 7      | Mr. Hemantkumar Santoshrao Dhabale | Lecturer            | 3/7/2023        |
| 8      | Mr. Parmar P Bakane                | Lecturer            | 5/7/2021        |
| 9      | Mr. Rutvik Kadam                   | Lecturer            | 23/6/2025       |
| 10     | Mr. Dhiraj Balsaraf                | Sr. Lecturer        | 1/7/2025        |

# Empowering Educators for Excellence

The Faculty Development Programme (FDP) plays a pivotal role in enhancing the quality of education by empowering educators with advanced knowledge, innovative teaching methodologies, and contemporary research insights. It serves as a platform for faculty members to update their pedagogical skills, exchange academic ideas, and align themselves with the evolving demands of higher education. FDPs not only foster professional growth but also cultivate a culture of continuous learning and excellence in teaching, research, and institutional development. By equipping teachers with the latest tools and techniques, these programmes ultimately contribute to improving student learning outcomes and strengthening the overall academic ecosystem.



# Learning, Leading, and Inspiring Together

## Empowering Educators: TGPCET Hosts Week-long ISTE FDP on Outcome Based Education & NBA Perspectives

Tulsiramji Gaikwad Patil College of Engineering & Technology, Nagpur (TGPCET), passionately committed to advancing the academic community, organized a transformative ISTE Self-sponsored Faculty Development Program (FDP) from April 22nd to 26th. The week-long program was dedicated to “Outcome Based Education and NBA Perspectives,” bringing together over 100 faculty delegates from reputed colleges to foster enriched pedagogical practices.

The program commenced with an inspiring introductory speech from Dr. Niteen Kakade, Dean Polytechnic and Convener of the FDP. Dr. P.L. Naktode, Principal of TGPCET, extended a heartfelt welcome to distinguished guests: Dr. V.S. Bugade, Professor of Electrical Engineering at Kolhapur Institute of Technology’s College of Engineering, who graced the occasion as Chief Guest, and Dr. G.V. Gotmare, Head of Electrical Engineering at Government Polytechnic, Nagpur, honored as Guest of Honour.

During his address, Dr. V.S. Bugade highlighted the pivotal role ISTE plays in empowering educators to elevate learning through innovative pedagogy and seamless integration of technology. He emphasized the importance of creative teaching techniques and commended ISTE’s ongoing support for professional development initiatives.

The program featured ten insightful sessions led by eminent academicians from IITs, NITs, and other government organizations. These sessions delved into foundational principles and contemporary concepts of Outcome Based Education and NBA accreditation, offering participants a holistic and enlightening learning experience.

The inaugural ceremony was graced by dignitaries including Dr. Mohan Gaikwad Patil (Chairman, GPG), Mr. Aakash Gaikwad (Vice Chairman, GPG), Dr. Sandeep Gaikwad (Treasurer, GPGI), alongside Dr. P.L. Naktode (Principal) and Dr. Pragati Patil (Vice Principal), all of whom applauded the enthusiastic participation and engagement of the attendees.

Seamless event coordination was achieved thanks to the efforts of Prof. Yogesh Ramteke (HOD ME) and Prof. Amol Burde (HOD CE). The program’s outstanding success reflected TGPCET’s commitment to quality education and ongoing faculty development, establishing new standards for future academic initiatives.

This FDP stands as a testament to TGPCET’s leadership in academic excellence and its unwavering dedication to empowering educators for a better tomorrow.



# OUR GLOBAL OUTLOOK

Where Japanese Precision Meets Indian Vision



**Dr. Niteen Kakde**  
Editorial Chief

## Chief Editor's Opinion on Japan and Its Technological Excellence

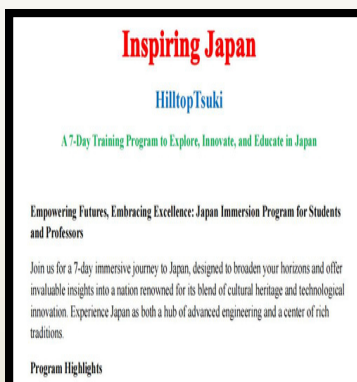
Our Chief Editor, along with a distinguished delegation comprising Dr. Mukul Pande, Mrs. Surekha Raut, Dr. Anup Gade, Dr. Prashant Thakre, Dr. Amey Khedikar, Dr. Radharaman Shaha, Prof. Vandana Khante, Dr. Niteen Kakade, Dr. Snehal Abhyankar, and Dr. Vijay Talodhikar, visited Japan as part of TGPCET's international academic initiative aimed at fostering global collaboration and academic excellence. During this visit, the institute achieved a major milestone by signing a Memorandum of Understanding (MoU) with HilTopsukinInstitute, Japan, to promote collaborative research, student exchange programs, and faculty development activities. Reflecting on this academic exchange, the Chief Editor expressed profound admiration for Japan's technological advancement and its deep-rooted culture of precision, innovation, and sustainability. Japan exemplifies how technological excellence can coexist with cultural discipline and environmental consciousness. Its innovations in robotics, automation, artificial intelligence, and smart manufacturing demonstrate the country's strong emphasis on research-driven growth and practical application.

The Chief Editor further highlighted that Japan's success lies not only in its advanced technology but also in its unwavering commitment to continuous improvement (Kaizen), teamwork, and ethical responsibility. This visit provided valuable insights that will guide our institution in integrating global best practices, fostering innovation-oriented education, and preparing engineers who can contribute effectively to sustainable technological development.

## Echoes of the Land of the Rising Sun

### Thank You Note

ありがとうございます  
ございます日本





# GLOBAL SIGNIFICANCE

## Automotive Engineering Progress: A Comparative Overview

The graph illustrates the progressive growth of the automotive engineering sector across major countries such as India, Japan, and China, highlighting their technological advancements and development timelines.

India, with a recorded progress rate of 37% (as of 2017), demonstrates significant strides toward innovation and manufacturing efficiency through its focus on sustainable mobility and indigenous production.

Japan, represented with 8% and 7% growth rates (2015–2016), continues to lead in precision engineering and advanced automotive technologies, emphasizing hybrid systems, automation, and energy efficiency.

Meanwhile, China exhibits the most rapid rise, with progress rates of 17.9% and 50.4% (2015–2017), indicating its growing dominance in electric vehicles (EVs), smart manufacturing, and large-scale production capabilities.

The comparative analysis reveals that while Japan excels in technological refinement and research-driven innovation, China is emerging as a leader in industrial scale and electric mobility, and India is steadily advancing toward sustainable and self-reliant automotive solutions.

Overall, the data underscores the global transition toward smarter, cleaner, and more efficient automotive engineering practices driven by continuous research and technological evolution.

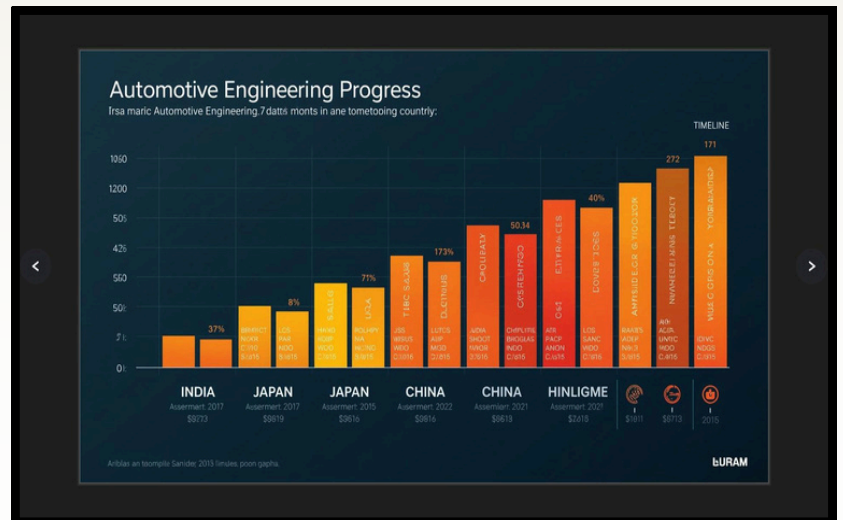


Fig-Chart: Driving the Future

| Country | EV Penetration (2024) | Key Focus Areas                             | Challenges                               |
|---------|-----------------------|---------------------------------------------|------------------------------------------|
| India   | Moderate              | Circular economy, regulatory alignment      | Regulatory pressures, consumer awareness |
| Japan   | High                  | Carbon neutrality, technological innovation | Maintaining global competitiveness       |
| China   | Very High             | NEV production, emissions reduction         | Market saturation, quality concerns      |

Fig: Global comparative Insights

# WORLD SCALE INFLUENCE

## Automotive Engineering Progress: Importance

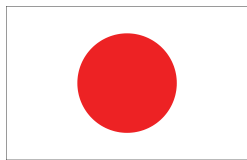
India



### Key Points

India's automotive sector is a significant contributor to carbon emissions. Transitioning to sustainable practices is crucial for meeting national climate commitments and improving urban air quality. The sector's growth presents opportunities for innovation and leadership in sustainable mobility solutions.

Japan



Japan's leadership in automotive sustainability sets a global benchmark for innovation, and its sustainability efforts have frameworks. Technological advancements in clean energy—enhancing vehicle quality—are essential for global climate change efforts.

China



China plays a major role as a global automotive producer. Its commitment to sustainability has significant global implications for carbon emissions and market trends. Addressing overcapacity and vehicle quality are key challenges as the country focuses on sustainable sector growth.

# LEARNING, EXPERIENCING, AND GROWING BEYOND THE CLASSROOM

**Dated 10<sup>th</sup> January 2025: Industrial Visit to Heat Treat Well , Hingna, MIDC, Nagpur**

The Department of Mechanical Engineering successfully organized an industrial visit for third- and fifth-semester students to Heat Treat Well, Hingna MIDC, Nagpur, on 10/01/2025, under the aegis of IE(I) and ISTE. During the visit, Mr. Harshal Darode, Manager, provided a detailed explanation of the processes and technologies employed within the industry.

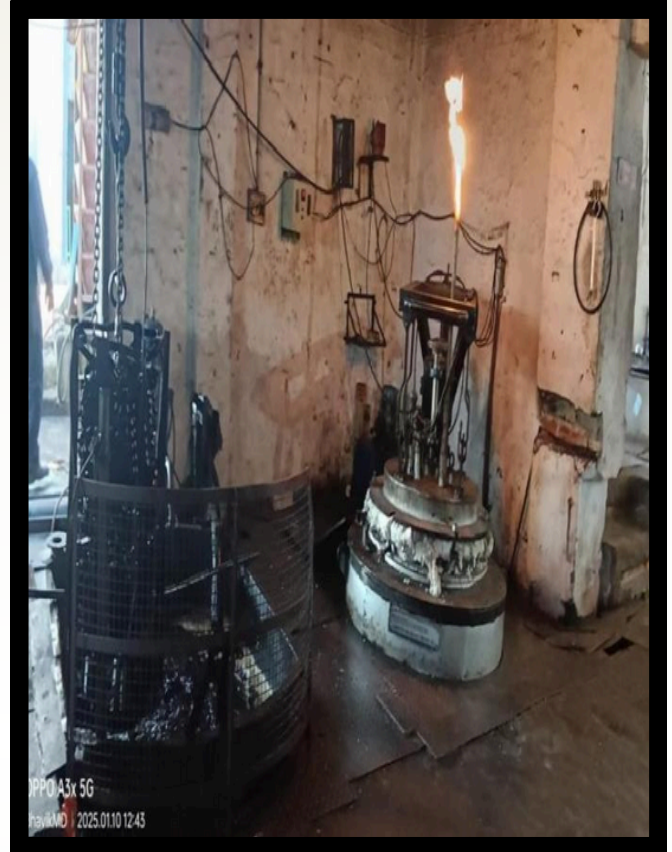
Mr. Hari Bhau Tidle, Maintenance In-charge, elaborated on how the categorization of materials into high-carbon, high-chromium steel and EN steel informs the selection of appropriate heat treatment processes. He further explained various heat treatment procedures, demonstrated the Hardness Test, and provided an overview of the equipment used on the shop floor, including furnaces and quenching tanks.

Additionally, he guided the students through the quality control checks conducted prior to goods dispatch. Overall, the industrial visit offered students a comprehensive and practical understanding of heat treatment operations, enhancing their experiential learning experience.





# CAPTURING EXPERIENCES, CREATING MEMORIES



**Hands-on Industrial Learning: Mechanical Engineering Students Exploring Heat Treatment Processes During an Industry Visit**



# LEARNING, EXPERIENCING, AND GROWING BEYOND THE CLASSROOM

**Dated 5<sup>th</sup> February 2025: Koradi Power Plant,  
Koradi Nagpur.**

A pre-visit briefing session was conducted for the participants, outlining the objectives of the visit and emphasizing essential safety instructions. Prior to the visit, students undertook background research on Koradi Power Plant and the fundamentals of thermal power generation. During the visit, a guided plant tour was organized by the plant authorities under the supervision of Mr. Piyush Raut, Assistant Engineer. Following the visit, a post-visit assessment in the form of multiple-choice questions was conducted to evaluate student learning outcomes. The industrial visit to Koradi Power Plant, Koradi, proved to be a highly valuable educational experience, enabling students to bridge the gap between theoretical knowledge and real-world applications in thermal power generation, plant operations, and safety management. The Department expresses sincere gratitude to Koradi Power Plant for providing this excellent learning opportunity and extends special thanks to Mr. Piyush Raut for his informative session and support throughout the visit.



**Koradi Power Plant, Koradi Nagpur.**



# LEARNING, EXPERIENCING, AND GROWING BEYOND THE CLASSROOM

## Dated 17<sup>th</sup> February 2025: Expert Lecture on the Need of AutoCAD in Industry

The Department of Mechanical Engineering organized an expert lecture on “The Need of AutoCAD in Industry”, delivered by Mr. Dipak Gajbhar, Director of Admire Tech. Vision AutoCAD Centre, on 17 February 2025. The lecture effectively underscored the critical role of AutoCAD in contemporary design, engineering, and manufacturing processes. Emphasizing its capacity to enhance precision, efficiency, and innovation, the session highlighted AutoCAD as an indispensable tool for professionals across diverse sectors, including architecture, civil, mechanical, and electrical engineering. In light of increasing digitization and automation in industries, proficiency in AutoCAD is not merely a valuable skill but a requisite for meeting current professional demands and maintaining competitiveness.



### Delivering Lectures on AutoCAD



# LEARNING, EXPERIENCING, AND GROWING BEYOND THE CLASSROOM

**On 11-3-2025, a “Personality Development Lecture on Confidence and Communication Skills” was conducted to enhance students' self-assurance and effective communication abilities.**

The Department of Mechanical Engineering organized a **Personality Development lecture on “Communication Skill and Confidence”** on **11 March 2025**, conducted by **Dr. Pragya Mathur**, Psychologist, Trainer, and Founder of Arunima Ankuran, Nagpur. The session was designed to enhance students' communication abilities and boost their self-confidence, thereby preparing them for personal and professional success. The lecture focused on equipping students with essential tools to communicate effectively and present themselves confidently in various situations. Key areas addressed included verbal and non-verbal communication, active listening, clarity of speech, and the ability to articulate thoughts with assurance. The session also highlighted common challenges such as stage fear, hesitation, and low self-esteem, providing practical strategies to overcome them. The lecture proved highly successful in achieving its objectives, combining theoretical insights with practical exercises. It effectively enhanced the students' soft skills and received positive feedback from all attendees.



# “YOUNG VOICES, BRIGHT IDEAS”

## TU HARNA MAT ...

*Ki* ab jab nikal pade ho kaffan bandha kar

*to kya hi horaye jyda soch kar karo,  
yakeen to leherea doge zinda jeet,  
wala har ki kabar khodkar .*

*mat soch kva kahegi Juniya,*

*tuze mat soch kya hoga ,  
tere aane wale kal me,  
tu is khaasmakash me dhub ,  
Jana mat tu harna mat,  
Chahe zindagi tuze harade,  
Tu harna mat,*

*Safar chahe kitna bhi chota kyu*

*na ho dat chahe kitna bhi  
Kareeb kyu na tu rishtas thodna  
Mat tu heemat chodna mat,  
tu harna mat chane,  
zindagi tuze harade tu harna mat.*

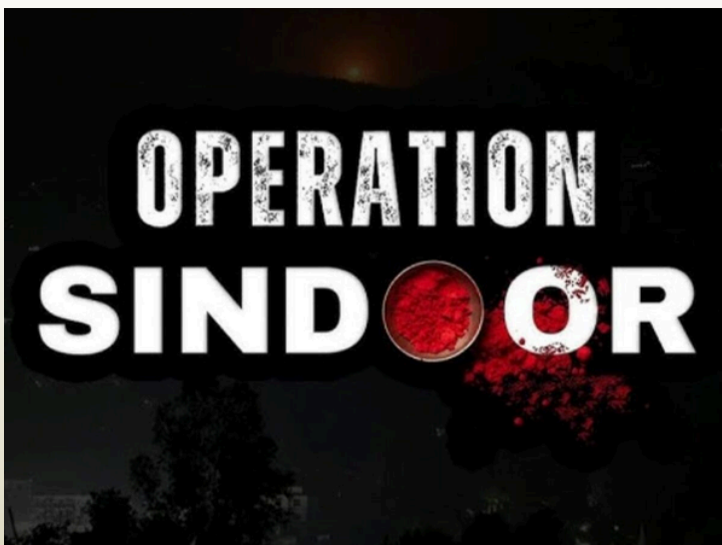


# “YOUNG VOICES, BRIGHT IDEAS”

## TITLE :- ROLE OF ENGINEERING IN (OPERATION SINDOOR)

Engineering played a decisive role in the success of Operation Sindoor, enabling real-time threat detection, precision strikes, and seamless system integration through advanced indigenous technologies such as automated air defense systems, guided munitions, and loitering drones. The operation's technological strengths are best illustrated by five key attributes:

- **Automation:** Mechanical engineering and robotics enabled complex tasks to be performed with minimal human intervention, greatly improving operational accuracy and efficiency.
- **Precision:** Indigenous navigation systems and on-board computing powered missiles and munitions, guided with high accuracy by aerospace, electronics, and AI advancements to neutralize targets with remarkable precision.
- **Speed:** Management science and operations research optimized rapid planning and response, ensuring meticulously timed execution.
- **Risk Mitigation:** A structured engineering approach identified, assessed, and controlled threats during all phases of the operation, minimizing negative outcomes and supporting mission success.
- **Strategic Edge:** Engineering innovation provided India with advanced drones, robust electronic warfare capabilities, and integrated command infrastructures, giving the nation a critical strategic advantage during the operation.



**ROUNAK ROHIT UPADHYAY**  
MECHANICAL ENGINEERING  
3<sup>rd</sup> SEM  
AY: 2025-26

# OUR OUTSTANDING PERFORMERS

## First Year, Even Semester



**NAGASWAROOP  
SUBBARAYUDU POTURI**

Enrollment no: 24318000582  
Percentage: 76.67%



**SAHIL RAGHUNATH  
KHANDAGALE**

Enrollment no: 24318000626  
Percentage: 69.33%

## Second Year, Even Semester



**AKHIL FALKAN  
KUJUR**

Enrollment no: 23318000583  
Percentage: 82.33%



**JATIN ARJUN  
HATGHARE**

Enrollment no: 23318000590  
Percentage: 75.89%

## Third Year, Even Semester



**UMESH MANOHARM  
BOPCHE**

Enrollment no: 2216830157  
Percentage: 84.11%



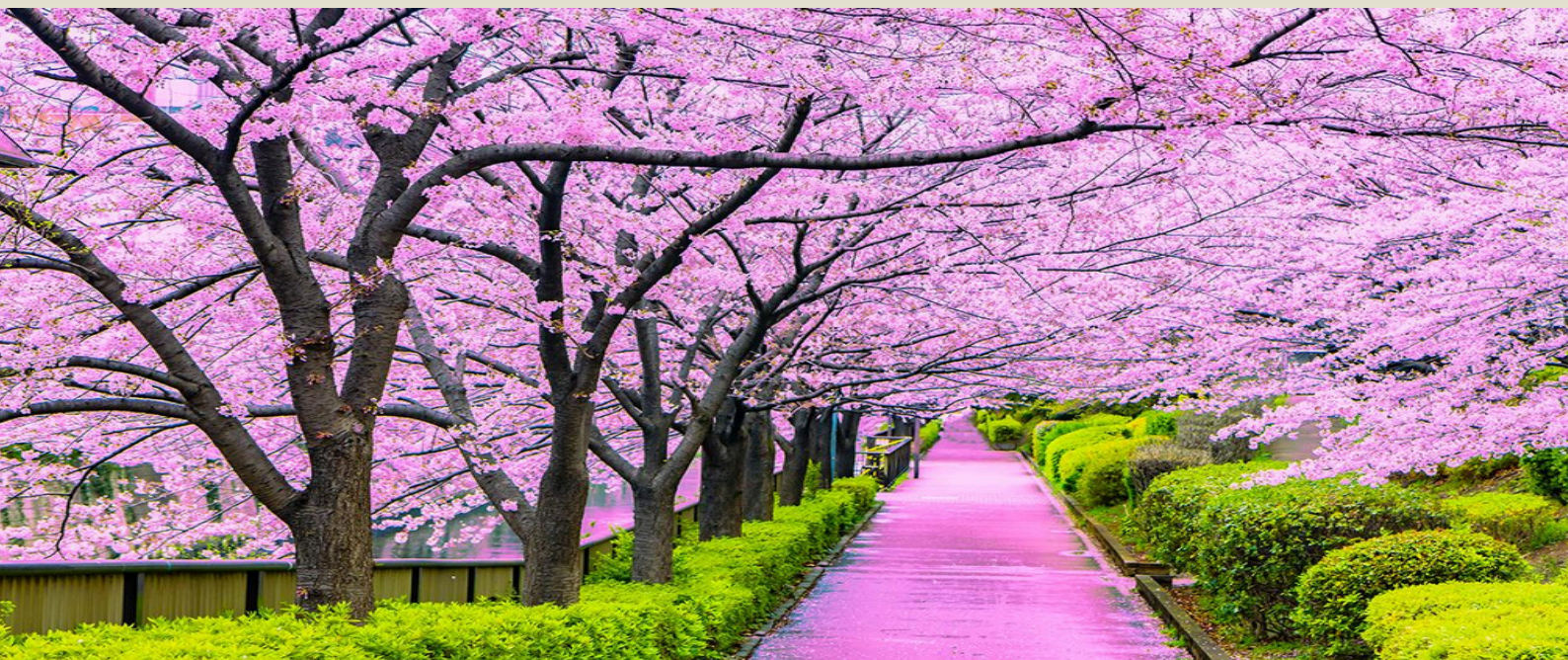
**HIMANSHU HARERAM  
YADAV**

Enrollment no: 23318000749  
Percentage: 84.44%



# WITH HEARTFELT THANKS TO JAPAN

## *Inspiring Our Journey*



On behalf of our editorial team, I wish to express our sincere gratitude to our colleagues and partners in Japan, whose unwavering support has continually inspired our vision. Their exemplary commitment to excellence and innovation has profoundly influenced our academic pursuits, and it is this very inspiration that has shaped the theme of the current newsletter. Japan's dedication to knowledge, precision, and creativity serves as a guiding beacon, reminding us of the heights achievable through collaboration and intellectual rigor. We remain deeply appreciative of their encouragement and look forward to nurturing this enduring relationship.

-Editorial Team

編集チームを代表して、日本の同僚やパートナーの皆様へ心より感謝の意を表します。皆様の揺るぎないご支援は、常に私たちのビジョンにインスピレーションを与えてくださいました。卓越性と革新への皆様の模範的な取り組みは、私たちの学術的な追求に深い影響を与え、今回のニュースレターのテーマもその影響を受けて決定されました。知識、精密さ、創造性に対する日本の献身は、協力と知的努力を通じて達成できる高みを思い起こさせる道標となっています。私たちは皆様の励ましに深く感謝するとともに、この持続的な関係を今後も大切に育んでいきたいと考えております。

- 編集チーム

