

MIIC

Annual Report 2022-23 | The Mech Chronicle

ESTD: JUNE 2019

Started & Managed by Students of Mechanical Engineering, MSU Baroda

REDEFINING POSSIBILITIES

BUILDING ON TRUST & BELIEF

4 celebrating foundation year

Think Big, Be Limitless & Embrace the Idea of Infinite Possibilities!



**TOKEN OF APPRECIATION
MR. DEVDAS RAMCHANDANI**

General Manager (Retd.)
Reliance Limited

**FOREWORD BY
MR. KARTIK N. JIVANI**

IAS Officer &
Mechanical Engineer (IIT B)

**TOKEN OF APPRECIATION
MR. BHAVIK KHERA**

Managing Director
SEE Linkages Pvt. Ltd.

THE MECHANICAL INDUSTRIAL INTERACTION CELL

BEHIND THE COVER

Redefining Possibilities



Cover.

AI Generation by:
Mohit Bhayani

In a bustling factory, two robots stood face to face, their gears grinding with tension. One was a sleek, modern AI-based robot, while the other was a clunky, old-fashioned machine with a background in lathe and milling. They represented the clash between **Industry 4.0** and **traditional manufacturing**.

The AI robot boasted about its efficiency, speed, and adaptability. It argued that Industry 4.0 was the **future**, bringing progress and innovation. The old machinery robot, however, proudly defended its **legacy**, emphasizing craftsmanship, reliability, and the skills of its human operators.

As they argued, a wise engineer intervened. He reminded them that both had a place in the factory of the future. Industry 4.0, he said, **wasn't about replacing the past but evolving it**. The AI robot could enhance productivity, while the old machinery could preserve the essence of craftsmanship.

Together, they found a balance, merging the precision of AI with the artistry of old machinery. The factory thrived, demonstrating that Industry 4.0 could complement tradition, creating a harmonious future where technology and craftsmanship worked hand in hand.

The message was clear: **progress should build upon our heritage, not replace it**.

CONTENT BY

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SPECIAL THANKS

MIIIC Family & Samkit Kothari - For
Being The Guiding Light !

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"The reasonable one adapts itself to the world. The unreasonable one persists in trying to adapt the world to itself. Therefore all progress depends on the unreasonable!"

(George Bernard Shaw)

FOREWORD

As a Mechanical engineering graduate from IIT Bombay, passed out in 2016, I am both honored and delighted to write this foreword for the **Mechanical Industrial Interaction Cell (MIIC)** Activities Report. It fills me with immense pride to see the enthusiasm and commitment displayed by the students and faculty members of the Department of Mechanical Engineering at The Maharaja Sayajirao University of Baroda in fostering **excellence in education and industry interactions.**

Mechanical Engineering is a field that encapsulates the very essence of innovation and dynamism. It is a discipline that has historically played a pivotal role in shaping the world we live in today. From the invention of the steam engine to the development of cutting-edge robotics and artificial intelligence, Mechanical Engineering has continuously evolved to address the challenges and opportunities of our rapidly changing world.

MIIC's establishment in 2019 was a visionary step forward in nurturing the future leaders of the mechanical engineering industry. This student-driven initiative, aimed at bridging the gap between academic knowledge and industry practices, has showcased the power of determination and collective effort.

Mechanical Engineers are the architects of modern technology and they play a pivotal role in shaping the future. Their skills are not limited to any one industry but span across various sectors, including automotive, aerospace, renewable energy, manufacturing and more. In a world where interdisciplinary knowledge is highly valued, a background in Mechanical Engineering equips individuals with problem-solving abilities that are universally applicable.

I would like to congratulate MIIC on its dedication to fostering excellence in Mechanical Engineering education. Your efforts in preparing students to be industry-ready and your commitment to bridging the gap between academia and industry are truly laudable. I have no doubt that the skills and experiences gained through MIIC will serve as a strong foundation for the future leaders of the Mechanical Engineering world.

As you continue on your journey to **"Redefine Possibilities"**, I extend my best wishes for your continued success and impact. May you inspire countless others to pursue the path of innovation, adaptability and excellence in Mechanical Engineering.

Mr. Kartik N. Jivani

Indian Administrative Service (IAS)

Mechanical Engineer
(IIT-Bombay)

INITIATION OF MIIC

The Mechanical Engg. Dept. of Faculty of Technology and Engineering. The Maharaja Sayajirao University of Baroda was doing one of the best placements in perhaps the whole state of Gujarat but it felt a gradual decline in a few years. Having one of the best potentials, the students lacked some corporate necessary skills which needed nurturing. Thus, The Mechanical Industrial Interaction Cell (MIIC) was a big step forward in this direction, a very apt initiative with the aim of enhancing students' employability potential and bridging the gap between Industries and Academics. Started by the students of the Mechanical Engg. Dept. (Batch of 2017-21). The journey of formation was quite long, adventurous, mixed with evolution yet fruitful and satisfying at the end.

Initiated, conceptualized & founded by the Department Representative (DR) of Mechanical Engg. (2018-19), **Samkit Kothari** proposed an idea for the formulation of a Cell for Training and Internship in November 2018 to the Vice Dean of FTE and Head of Mechanical Engg. Dept, Dr. DS Sharma, whose advice ignited him with a broader concept of idea, evolving to Mechanical Internship Cell in January 2019. With the advice of some prominent teachers such as GD Karhadkar Sir and AB Pandey Sir, this initiative got a new direction. Till April 2019, this whole concept was ready to constitute but cooperation and execution were a challenge which could lead to an initiative failure, if not ensured. Thus in April 2019, Class Representative **Prathmesh Jadhav**, joined Samkit Kothari to take this initiative further, as what mattered was the cooperation and support of students of the Mechanical Department. With this dual lead, work has gone fast track.

The problem which was hindering the progress was itself the idea of Interaction with Industries, if implemented officially - would clash with the approaches and thus was a deep concern. In June 2019, this was sorted with mutual agreement with the then Training and Placement Officer, Dr. Piyush Gohil Sir who has effectively helped to take this initiative forward and with then Mechanical Training and Placement Coordinators (2019-20) to have mutual consent while dealing with Industries.

Finally, till the end of **June 2019**, it was not limited to only an initiative for internship opportunities but the idea has transformed into "**The Mechanical Industrial Interaction Cell**" which was much broader in concept as well as scope and dealt with preparing students of Mechanical Engineering Department for future corporate & industrial world - thus has potential to develop industry leaders in their domains. The idea and concept were finally approved by Dr. DS Sharma, Head of the Mechanical Department whose constant support and cooperation were really useful to take students' efforts and initiative forward.

Thus, on **27th June' 2019**, history was created. For the first time, an **ambitious initiative** in the form of a cell - by the students, for the students - with one of its kind development model was unveiled before the public.

FOUNDING TEAM

Team Pratistha : 2019-21

Observing the criticality and sustainability, the building process for its founding team was crucial. Prof. GD Karhadkar and Dr. Akash Pandey played an important role in the same. These pillars not only formed a sustainable foundation but with their will and commitment, they took this idea to the next level and as a result, the foundation year 2019-20 was a grand success. Heartily grateful to all our visionary teachers who have supported this noble initiative.

The tagline "**Redefining Possibilities**" gives each and every individual the confidence to stand for a positive change. We wish and hope that its existence contributes and impacts lives in some small way for the better.



Samkit A. Kothari
(Founder)



Prathmesh Jadhav
(Co-Founder)



Aakash Kavaiya



Kishan Parmar



Bhavik Patel



Jay Panchal



Kausik Goshwami



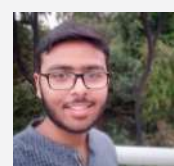
Ranjana Shrivastava



Shrey Patel



Meet Patel



Juzar Vohra

ABOUT MIIC

Mechanical Industrial Interaction Cell is a non-profit student-run facilitation unit that is responsible for organizing various activities and training opportunities for enhancing soft skills and interacting with various Industrial, Technical and Educational organizations in Vadodara City and other cities of Gujarat with the aim of ensuring that the students of the Mechanical Department, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda are given adequate technical exposure.

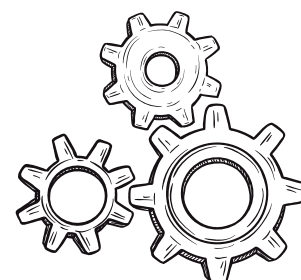


VISION

To create industry leaders of tomorrow by empowering students through proper training and career opportunities.

MISSION

To groom students meticulously & empower their employability potential by bridging the gap between industrial and academic learnings through various training & growth opportunities.



PRAISE FOR THE CELL

“ I am gratified to know that MIIC is successfully bringing out fourth annual report for the academic year 2022-23. I am happy to see the interest of MIIC in actively conducting and managing various activities and events for the year 2022-23. This shows the positive and imaginative energy of our students and their mentors. They are proudly publishing the annual reports for the year 2022-23 in order to show to the outside world and to remind the denizens of Mechanical Engineering Department, Faculty of Technology & Engineering, of the progress which they have made so far. I hope they intend to continue presenting their talent and creativity. I also take the opportunity to congratulate and thank all the students, coordinators and teachers of the Department who have made untiring efforts to bring out this annual report. I wish MIIC all success in years to come.

Lt. (Dr.) Piyush P. Gohil

Head, Mechanical Engg. Dept - FTE MSU Baroda

“ MIIC is very important forum which connects the academic institute with the industries. The MIIC team is doing a commendable job by creating opportunities for corporate exposure to students for enhancement of professional skills.

One of important activities carried out during the academic year is to organize several knowledge sharing sessions wherein subject experts in relevant field are invited to deliver a talk and share practical aspects of the subject matter. It was my immense pleasure as an alumnus of MS University from 1982 batch to address the students on "Operation of Industrial Boilers" and share my experience. The students participated in large number with zeal and enthusiasm and it was quite interactive session. The learning becomes cognitive when students are able to find its application aspects as they gain knowledge during their course of studies. I suggest that such sessions should be more frequent and may be incorporated at early stage of their academic career.

Mr. Devdas T. Ramchandani

GM (Retd.) Reliance Industries Ltd

“ MIIC has made an impressive start to its industry engagement initiative through effective industry connections and organized visits. In today's rapidly evolving landscape, it is essential for both faculty and students to grasp the industry's needs for upskilling and adapting to the digital age, as exemplified by Industry 4.0. We hope that this program becomes an integral part of course curricula, recognizing its vital role in bridging academia and industry. Kudos to Team MIIC for their efforts, and we anticipate that this initiative becomes a lasting tradition, providing future leaders with invaluable exposure to the latest manufacturing trends and practices.

Mr. Bhavik Khera

MD of SEE LINKAGES Pvt Ltd

“ It is a matter of pride to pen down a few words for my beloved students, to motivate and appreciate the profound activities that you are carrying out under the aegis of MIIC. Realizing the existence of a need is the first step to exploration in that domain to achieve great heights. I appreciate that you have realized the importance of collaborating with the industry and enhancing soft skills, including personal development. One activity that you are carrying out helps you in two ways: One, It provides you an opportunity to interact and learn from senior industry persons and other eminent professionals. Second, Organizing the activities directly provides you with hands-on experience in managerial skills.

Today's students are tomorrow's engineers. You are not only the makers of your own destiny but also of this great nation. I wish to see you all as great professionals and nation builders. Jai Hind.

Dr. Dharmendra S. Sharma

Former Head, Mechanical Dept, FTE MSUB

“ There is no doubt that MIIC activities are valuable, and I am confident that students will eventually benefit from it. I personally noted and important aspects of these events are two main things in particular: First, the students' demonstrated leadership skills, and Second, how effectively they worked together as a group and with professors and other staff members. One striking aspect of the effectiveness of each initiative is the meticulous planning that went into it. I also witnessed that MIIC is a fantastic platform for students to use to constructively demonstrate both their maturity and their commitment to the department's goals and objectives. Programs that are successfully conducted provide clear and concrete evidence of students' sound organizing skills. I send them my best wishes for carrying out similar initiatives in the future.

Dr. Amit R. Patel

Assistant Professor, FTE MSUB

“ It gives me an immense pleasure to not that MIIC has completed four years with successfully aligning with the goals established by MIIC. MIIC does very good activities for the undergraduate students of Mechanical Engineering and it is an excellent blending of different activities related to Industry - Institute Interaction, Personality Development, Practical Knowledge Enhancement, Building Human Values within and in Society, interaction among the Students and with the faculty members. This kind of success story is possible only with dedication and contribution from all the stakeholders. I congratulate and wish all the best to all the team members of MIIC and all the participants of MIIC.

Dr. Jagdish Prajapati

Former Head, Mechanical Dept, FTE MSUB

PRAISE FOR THE CELL

“ The Mechanical Industrial Interaction Cell has developed and grown in terms of its activities as well as scope over the past 4 years in a fantastic way. Driven by the students' urge to do more and progress more, the cell has expanded from core industry interaction including industry visits and expert sessions to addressing wholistic development of students by conducting activities for development of technical and soft skills. The efforts and approach of the students involved in carrying out these activities and ensuring such growth are genuinely noteworthy and appreciated.

Dr. Akash B. Pandey

Assistant Professor, FTE MSUB

“ Plato wisely said that excellence is not innate but a skill honed through practice. Albert Einstein affirmed that experience is the sole source of knowledge. Practical knowledge is crucial, as even top-performing students may struggle without it. Knowledge, when not applied, turns to ignorance. Engineers, as Henry Petroski observed, must bridge the gap between science and action.

Today, practical training carries more weight than theoretical learning, as exemplified by MIIC - Mechanical Industrial Interaction Cell. MIIC, an initiative, enriches engineering education by bringing industrial wisdom to students. Their consistent efforts through guest lectures and industrial visits have made a positive impact. I have witnessed their dedication and wish them continued success in their endeavours, pledging unwavering support. In essence, excellence requires practice, knowledge arises from experience, and practical education is invaluable, with MIIC leading the way in shaping competent engineers.

Mr. Arvind Mohite

Assistance Professor, FTE MSUB

“ Activities carried out by MIIC are commendable. Growth of the MIIC (Mechanical Industrial Interaction Cell) is extra ordinally good. MIIC activities like expert talks, mock interviews and other different activities will help the student to develop their competencies and skills. These are one of the ways to bridge the gap between education and industry is by providing industry ready professionals. Congratulations and best wishes to the entire team MIIC.

Mrs. Sheetal Soni

Assistant Professor, FTE MSUB

“ The greater the effort, the greater the glory. Upholding this motivating force, Team MIIC has been constantly putting efforts to make sure that the students of Mechanical Engineering Department at FTE, MSU are provided with suitable industrial and technical knowledge. The entire ISEE team wishes them prosperity and success for their future endeavors.

Team ISEE

(Industrial Synergy for Electrical &
Electronics Engineers)

“ Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do. ~ Pele

MIIC has been proving the above-written quote for years now and has become an inspiration for all others by achieving new heights of success every time. It plays a big role in shaping the career of the students by providing a platform where they can enhance themselves. The activities of MIIC team are really worth appreciating as they are fulfilling the most important and basic requirement for the development of all the current engineering students, that is practical experiences and soft skills development. Team AIWMS wishes them all the very best for their upcoming events and for a prosperous future. Keep learning, keep growing, keep succeeding, and keep inspiring.

Team AIWMS

(Irrigation And Water Management
Department - Wremi)

“ The road to success is not easy to navigate, but with hard work, drive, and passion, it's possible to achieve your dreams. ~ Tommy Hilfiger

It is evident that MIIC is not just an organization, but a driving force behind the dreams and aspirations of countless students who aspire to excel in the field of mechanical and industrial engineering. Your commitment to bridging the gap between academia and industry has been nothing short of exceptional. Team CESC greatly wishes the best for the future endeavours of the MIIC club and hopes for the betterment of students from all corners.

Team CESC

(Civil Engineering Student's Club)

“ Dear MIIC Team,

It's inspiring to see the passion and innovation your organization brings to every project. Your organization's contributions towards organizing activities like Campus to Corporate Workshop and various other workshops, seminars, industrial visits, internship programs, and expert Talks - serve as a shining example of what can be achieved through teamwork and dedication. What sets your organization apart is not only its dedication but also its innovative approach to addressing difficulties that students face while entering the cooperate world.

It is evident that your team goes above & beyond to find creative solutions and make a lasting impact. Your commitment to "Redefine Possibilities", is an inspiration to all of us.

Team ACES

(Association of Chemical Engineering Student)



DEPARTMENT COLUMN

GANESH TEMPLE
Department Of Mechanical Engineering
The Maharaja Sayajirao University of Baroda



Estd. 1949

Accredited Grade "A+" by NAAC

DEPARTMENT OF MECHANICAL ENGINEERING
FACULTY OF TECHNOLOGY AND ENGINEERING (KALABHAVAN)
PROGRAMME OUTCOMES (POs)

- 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 for complex problems.
- 5. Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling 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 Teamwork:** 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.



Estd. 1949

Accredited Grade "A+" by NAAC

**DEPARTMENT OF MECHANICAL ENGINEERING
FACULTY OF TECHNOLOGY AND ENGINEERING (KALABHAVAN)**

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Apply fundamentals of design, thermo-fluids and production engineering knowledge for innovative and critical thinking, problem-solving and experimental skills with integrity and inclusivity in professional engineering practice or business.
- Achieve further career development through graduate education, professional development courses and/or on-the-job training and experience.
- Develop leadership and collaborative roles in their careers.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- To prepare professionals to cater to industry, academia, research organizations, government setups and consulting firms.
- To prepare graduates who will contribute to society as responsible citizens.
- To prepare graduates who will get recognition, through demonstration of good analytical, design and implementation skills and lifelong learning.

VISION

- To emerge as a Centre of excellence in Mechanical Engineering Education, Research and Innovations for Sustainable Development.

MISSION

- Build an ecosystem for academic excellence and innovative research in Technology and Engineering.
- Foster Collaborations with Institutes and Industries.
- Contribute towards holistic and sustainable development.

GLIMPSE OF YEAR'S ACTIVITIES



Through innovation and perseverance, Engineer achieves the impossible.

HIGHER STUDY IN US

- In this ever-expanding human population, who doesn't want to succeed in life, get ahead, and live the life they've always desired? Everyone wants to travel out of their comfort zone and go to a country or place where they can thrive and acquire greater prospects, and where better to go than the United States. Everyone has heard one way or another about how the United States is thriving and how it's a fantastic industry location to learn, but the main problem is who to ask and who to contact for the best advice and counsel.
- To answer all of these questions Dr. Pratik Parikh, an alumnus of The Maharaja Sayajirao University of Baroda who is currently a **professor and chair of the Department of Industrial Engineering at the University of Louisville**, flew in from the United States to meet with students who are interested in studying in the United States. He made the session very dynamic, and the students thoroughly loved it. He also showed the students how to approach institutions and how to quickly obtain admission to universities in the United States.



- Following the presentation's conclusion, a lively Q&A session was held in which Dr. Parikh addressed each and every question with the same enthusiasm, prompting students to ask additional questions. The session concluded with a contented mind of students who came with all of their doubts.

INDUSTIAL VISIT AT INOXCVA PVT.LTD



- **INOXCVA is India's largest cryogenic liquid storage and transport tank manufacturer.** Students were welcomed by the HR and GM. They provided safety shoes and helmets as well as the guidelines that students needed to remember while on the visit.
- Students first headed to the assembly line. They are familiar with the use of quick TIG welding and the Plasma Arc cutting tool to create vessels. Additionally, they learned about various cleaning techniques and non-destructive tests. Students then visited the mounting shop to observe how cryogenic tanks are attached to trucks and trailers.
 - All of the students ended up gathering in the meeting room, where experts clarified all of their remaining doubts and questions. By relating everything to their academics, students obtained crucial practical knowledge.

MEET THE ALUMNI

- Engineering management is critical in integrating technical competence with successful project management. It bridges the gap between technical principles and commercial acumen, ensuring that projects are completed quickly, on time, and to the highest quality standards.
- With rising urbanisation, infrastructure expansion, and technological innovation on the increase in India, the demand for qualified engineering managers is greater than ever. They play an important role in managing complicated projects, allocating resources efficiently, and maintaining regulatory compliance. As India advances as a worldwide technology powerhouse, the demand for engineering management specialists will only increase.
- To give a deep understanding on this topic Dr. Hiral Shah an alumna of The Maharaja Sayajirao University of Baroda and a **professor at St. Cloud University** took an initiative to guide the students on the topic of Engineering Management and discussed with the students on how they can make their career out of this brilliant field with full of opportunities not only in India but also in USA. This session was followed by a Q&A session with full of exciting questions and more exciting answers.



EXPERT TALK ON INDUSTRIAL BOILER

- Boilers stand as indispensable pillars within the realm of engineering, underpinning a multitude of industries critical to India's economic growth. They are the heartbeat of power plants, manufacturing units, and chemical facilities, providing the essential steam and hot water necessary for operations. In an era where sustainable energy solutions are paramount, boilers are evolving to embrace cleaner technologies, reducing emissions and environmental impact.
- As India propels itself towards a future of industrial expansion and technological advancement, the role of boilers becomes even more pivotal. They not only drive efficiency and productivity but also present an avenue for innovation in renewable energy sources.
- Harnessing cutting-edge boiler technologies will be pivotal in India's journey towards a sustainable, energy-efficient future, solidifying their significance in the country's engineering landscape.
- And to explain all of this in detail, **Mr. Devdas Ramchandani, retired general manager of Reliance Industries Ltd.**, gave his quality time to the students of the third year and gave a deep insight on the topic of industrial boilers and their uses, followed by a Q&A session, which resulted in a very positive way and helped the students to understand the importance of boilers from the very beginning to the advanced levels.



TECHNICAL PANCHAYAT 2.0

- The Technical Panchayat activity, which was a fantastic element of the Technical Club last year, marked its birth. This year, Team MIIC continued its heritage with Technical Panchayat 2.0 and received many encouraging replies.
- Technical Panchayat 2.0 provided a forum for the exchange of information, thoughts, and developments in a variety of sectors, which was extremely beneficial for both presenters and audience members. Students explore a subject's complexities while presenting knowledge that is only at the surface level. They can aid the audience in comprehending difficult subjects on a deeper level. Students become more motivated and get the confidence to speak passionately about their work and projects. Additionally, it motivates audience members who are students to take on difficulties and explore new things.



- Giving a technical talk helps speakers get better at communicating and presenting. Explaining complex concepts in a clear and understandable manner is a valuable skill in any profession.
- Audience members may ask questions, offer suggestions, or highlight potential issues, which can help refine and improve the work and it is also helpful for the speaker to tackle those real-time questions
- **Dr. Mohite Sir** concluded by providing all participants with insightful feedback and inspiring other students for the future.

OVERALL DEVELOPMENT



- A two-day training on overall development, including aptitude tests, resume-building, group discussions and personal interview has been organized by MIIC.
- Hardik Sir began the class with aptitude training on the first day. He gave students many shortcuts for quickly solving the problems. To increase productivity, he advised them to try to perform minor calculations mentally, and he provided guidelines for conducting effective group discussions. Finally, he held a practice group discussion with our students and provided feedback.
- On the second day, Rohit sir began the class by outlining the value of communication in today's society and gave us advice on how to create an effective resume for the job. He gave us tips for the basic questions of personal interview.
- Overall, it was beneficial for students to effectively enhance their skills.

EXPERT TALK ON ENTREPRENEURSHIP



- Entrepreneurship plays a pivotal role in a student's life by fostering creativity, instilling a sense of initiative, and cultivating valuable skills. Engaging in entrepreneurial endeavours empowers students to think critically, identify opportunities, and develop innovative solutions to real-world problems. It encourages a proactive mindset, teaching them to take calculated risks and learn from both successes and failures.
- Beyond the classroom, it opens doors to networking opportunities and provides a platform for students to showcase their talents and ideas. Ultimately, embracing entrepreneurship in their academic journey equips students with a versatile skill set that not only enhances their educational experience but also prepares them for a dynamic and competitive future in the global workforce.
- They both gave an extraordinary session and gave a boost to the students who wanted to start as an entrepreneur and they cleared all the doubts gave opportunities to the students to come with their questions and answered them in a well manner and gave a great piece of advice to each and every student Their simple presence had a huge influence on the students, and they instilled hope in the younger and incoming generations.
- Now, to give a great entrepreneurship session, the M.D of Rhino Machineries personally came and gave a great and knowledgeable entrepreneurship session with his batchmate

MY TEST, MY PLACEMENT

- Entrance mock papers play a crucial role in preparing students for university placements. They serve as invaluable tools for assessing a candidate's readiness, providing a glimpse into the format, difficulty level, and types of questions that may be encountered in the actual examination. By practicing with these mock papers, students can refine their time management skills, identify weak areas, and fine-tune their test-taking strategies.
- Moreover, they offer a realistic simulation of the actual exam environment, helping to alleviate anxiety and build confidence.
- Mock papers also foster a habit of consistent practice and self-assessment, enabling students to gauge their progress over time. Ultimately, they empower individuals to approach university placements with a sense of preparedness, enhancing their chances of success and ensuring they can showcase their true potential on the day of the actual examination.



- In order to provide the greatest mock papers to students, we developed this event in which we produce papers every week and deliver them to students within a time constraint, with the corporate standard questions.
 - After the papers, we give them the solutions, and they cross-check to see if they wrote the answers correctly or if there was an error, and they create groups to remedy their faults. This really aided the students in correcting their mistakes, managing their time, and determining which topics needed more attention or which subjects needed improvement.

INDUSTRIAL VISIT AT SEE-LINKAGES

- **See Linkages Pvt LTD**, The division was founded in 1971 and within a single manufacturing location, offers a product range that meets the linking needs of the electrical, mechanical, hydraulic, and pneumatic engineering industries. These include cylindrical connectors produced to Indian and American military specifications. Produced in line with ISO & DIN Standards are rod ends, ball joints, clevis, and spherical bearings.
- The first stop on the industrial visit was the machine shop, where we observed various CNC and VMC machines and learned about operations such as turning, drilling, facing, slotting, threading, etc. After that, we viewed the process of creating a finished product. It is then transported to Final Inspection and made ready for shipping.



- In the R&D department, where we learned about CAD tools and printing technology, we have also observed the development of new products. The most crucial factor in any industry is quality, and we learn about several quality measurement techniques and theories. Learn purchasing, planning, and supply chain management as well. Finally, we assembled in the conference room, where each of the Department Heads answered the student's question. The students received such a wealth of knowledge and exposure from the tour.

WORKSHOP ON SOLIDWORKS



- Mechanical engineers need CAD tools for understanding the 2D and 3D models of a machine's components in this competitive engineering era. As a result, Team MIIC organized a two-day **Solidworks workshop**.
- Students learned about the Solidworks interface and several tools on the first day which are useful for drawing models. Their doubts were solved by the Faculties during class.
 - Students created an intricate 3D drawing of a piston cylinder on the last day of class. Instructors solved all queries regarding this Workshops and Conveyed the importance of CAD tools to the young Engineers. Students had an amazing workshop to discover their own design and creativity abilities.

READ A PERSON LIKE A BOOK

- Understanding body language is a nuanced skill that involves interpreting non-verbal cues such as facial expressions, gestures, posture, and tone of voice. It provides valuable insights into a person's thoughts, emotions, and intentions, often supplementing or contradicting their spoken words. However, it's important to acknowledge that deciphering body language can be a complex task. People express themselves differently based on their cultural background, individual personality traits, and even their current emotional state. What may be considered a sign of confidence in one culture might indicate discomfort in another. Furthermore, context matters immensely; a crossed arm could indicate defensiveness, but it could also simply be a comfortable resting position.
- To overcome this dread in the minds of students, Ms. Shivani Madan Bose delivered an excellent talk titled "**How to Read a Person Like a Book**". This presentation offered students an excellent concept on how to utilize body language, how to judge a person by his posture, and many other things. This lesson raised students' awareness and provided them with examples of how to manage situations with others or how to impress someone just by using their body language.



- She took advantage of the occasion and engaged in several activities with the students, demonstrating how your tone and body language can alter the entire scenario in the room. We also held our Q&A sessions with the students and our professional speaker shortly after that.

INTERNSHIP PROGRAMME

- A significant opportunity to put one's academic knowledge to evaluation is an internship. It provides a competitive edge and serves as an excellent opportunity to put one's skills to the test. The purpose of internships is to prepare individuals for the challenges of the working world.
- MIIC was founded with a vision of bridging the academic and professional paths of students. **We made an effort this year to give students practical experience with industrial exposure through internships.** Giving candidates work experience, guidance, and a professional network is the only goal in order for them to improve their resumes. The Mechanical Engineering Department, Faculty of Technology & Engineering, The M.S. University of Baroda students who applied for the opportunity were able to receive 100% internships from the past 2 years and we ensure to follow this trend for upcoming years.
- We are pleased to announce that MIIC has successfully organized a number of Industrial Visits and provided internship opportunities through a tremendous amount of effort and selfless commitment.
- The organizations listed below were crucial to helping us accomplish this goal.



- We as a team believe that MIIC was effective in providing students a platform to succeed in their professional pursuits and have a memorable experience.

INDUSTRIAL VISIT AT JCB



- JCB is British multinational manufacturer. At Halol plant there was construction of telehandlers was going on. The plant was massive and it was spreaded in around 48 acres.
- In the first stage sheet metal cutting was carried out by the help of laser cutting machine. In second stage different kind of operation was carried out according to the requirement of desired shape. Then after welding operation of that parts was carried out by metal inert gas welding, the necessary precautions were taken out for the workers and the best part was that in shop floor also there were 50% skilled women. Then inspection of the semifinished product was carried out and it was digitally controlled by the employees.
- There was **AUGMENTED REALITY SIMULATION** in that the level of the welder was tested and according to that the level of the welder was checked. The key takeaway was there was perfect implementation of Kaizen's principle and that was quite impressive. The company is doing medical checkup of their employees in every 6 months and they are providing proper diet to them.



Overall, we had a decent experience on the visit - there were immense learnings from the industrial visit at JCB.

INDUSTRIAL VISIT AT COSMOS IMPEX

- The industrial visit to **Cosmos impex** was an informative experience for the students. During the visit, we gained insights into various topics.
- Cosmos impex is CNC Machine tools Manufacturing and Sales company, established in 1987.
- The company's executive introduced us at the beginning, including the number of plants, the specific activities performed by each plant, and the company's future.
- Afterward, we went on a factory tour to observe the manufacturer from the beginning, which included the raw materials used, various operations, and the company's role.





- The observable thing was how the plant went so much efficient by doing so much automation and by using various industries engineering techniques for maximizing the productivity. We also acquired knowledge about how engineering concepts are utilized in actual industrial operations.
- In all, it was an exceptional experience for all of us and there were numerous lessons to be learned from the visit.

INDUSTRIAL VISIT AT CEAT TYRES

- Industrial visit to the ceat tyres was a insightful experience for the students, during the visit we learnt different aspects of tyre manufacturing and operations carried out in the process.
- **CEAT** Limited is an Indian multinational tyre manufacturing company , it was established in 1924 in Turin, Italy.
- At the beginning company's executive gave us the introduction of the company, how many plants are there, what specifically out plant does and what would be future of the company.



- Then factory tour was carried out. We have seen the manufacturer from the scratch, what kind of raw material is been used, various operations, role of the engineer throughout, how the machine works, it's maintenance procedure and how they took safety precautions. We got to know about everything in the tyre manufacturing.



- At the end they summarised everything and then there was a Q&A session in that students asked every question that they had and sir answered all of them perfectly.
- Overall it was astonishing experience for all of us and there was many learnings from the visit.

PLACEMENT PAPERS

- Entrance mock papers play a crucial role in preparing students for university placements. They serve as invaluable tools for assessing a candidate's readiness, providing a glimpse into the format, difficulty level, and types of questions that may be encountered in the actual examination. By practicing with these mock papers, students can refine their time management skills, identify weak areas, and fine-tune their test-taking strategies.
- Moreover, they offer a realistic simulation of the actual exam environment, helping to alleviate anxiety and build confidence.
- **Mock papers** also foster a habit of consistent practice and self-assessment, enabling students to gauge their progress over time. Ultimately, they empower individuals to approach university placements with a sense of preparedness, enhancing their chances of success and ensuring they can showcase their true potential on the day of the actual examination.
- In order to provide the greatest mock papers to students, we developed this event in which we produce papers every week and deliver them to students within a time constraint, with the **corporate standard questions**.
- After the papers, we give them the solutions, and they cross-check to see if they wrote the answers correctly or if there was an error, and they create groups to remedy their faults. This really aided the students in correcting their mistakes, managing their time, and determining which topics needed more attention or which subjects needed improvement.
- Visit the **Competitive Exam Section** In **MIIC4U App** For Placement Papers.

MECHANICAL ASPECTS OF MOTORS

- At an era when people are striving to find something innovative and dependable to make in their own nation, our Indian brains are flourishing, and they must be catered to in India. At this critical juncture, the great Indian intellect has eliminated the need for Russian motors by replacing them with motors designed and manufactured in India. This feat was accomplished by none other than **Shri Bharat V. Shah**.
- He explained to students how engineers can think outside the box and develop anything with the limited assets available in our domain. He inspired the students to launch their own businesses by providing them with fresh innovative ideas on how to make things simpler and easier to create while staying within a budget. And for this, he urged taking use of the programmes launched by the Government of India to assist new start-ups, including the "Make in India" scheme.
- He left a strong impression that a student can reach the intended objective or target with the correct mentality, the appropriate support, and a lot of perseverance.
- He established an environment in the expert lecture that provided students with both information and experience. At the end of the session, he took the tremendous initiative of having a deep conversation with the students and answering every question with the extensive expertise he has gathered in the field of electric motors.



CARRIER DEVELOPMENT & INDUSTRIAL EXPOSURE

"Opportunities don't happen, you create them"

- Essential and crucial steps which are needed to be taken to enhance our personality and to stretch ourselves for achieving desired goals, with that motto our **alumni Mr. Jayeshkumar Bhagat** delivered their session.
- The session began with a discussion on the term 'parikrama', which explains how our lives revolve around it. How our approach and attitude should be towards life, what are the challenges and odd circumstances that we faces in life and how we have to deal with it that was been taught.
- The session was more oriented for the 3rd year students. What are the mischiefs they are doing and how can they utilize their full potential to become proficient in mechanical engineering and a highly skilled person was discussed.
- In addition, **email etiquette and resume writing skills were taught**. As we know that Resume is one of the most important prospect when it comes to selection in any university placement drive. The demonstration showed the progression of resume writing from scratch to advanced.
- Overall, it was an enriching experience for all of us and so many positive outcomes were drawn through it.



CAMPUS TO CORPORATE 4.0

“ The journey from **CAMPUS** to **CORPORATE** is a transformation of knowledge into action !



Mr. Kashyap Rajput



Ms. Shivali Sharma



Mr. Yash Pithva



Mr. Jushya Naik



Ms. Riya Bhatt

[MENTORS FOR C2C]

- "MIIC's '**Campus to Corporate 4.0**' event, was a five days event, meticulously designed to bridge the gap between college life and the corporate world. This transformative experience covered essential facets such as resume crafting, communication skills, personality development, group discussions, and personal interviews.
- Our heartfelt gratitude extends to the experts who made this journey possible, including **Mr. Kashyap Rajput and His Team from the Faculty of Psychology**, whose guidance was invaluable.
- Special thanks to the dedicated professors from the Mechanical Department, Mr. Akash Pandey and Mr. Piyush Gohil, whose support contributed significantly to this moment.
- Together, we're committed to preparing our students for a seamless transition into the corporate realm, equipping them for a bright and successful future.

CAMPUS TO CORPORATE

DAY - 1



A great resume doesn't just list your past; it paints a picture of your future.



- The professionals of the Faculty of Psychology guided our students through the intricacies of crafting a resume that would give them a competitive edge during placements. The session was a deep dive into the art of resume creation, covering everything from structure to content.
- Furthermore, the experts provided crucial insights into the do's and don'ts of resume-making, ensuring that our students presented themselves in the best possible light.
- They also introduced the best possible modern tools and techniques that the students can use to build their resume in today's competitive job market.

CAMPUS TO CORPORATE

DAY - 2



The art of communication is the language of leadership.



- In the transition from college to corporate life, effective communication is paramount. The experts dived into the nuances of formal language usage and how students should navigate this shift. They emphasized the importance of clear, professional communication in corporate settings.
- Furthermore, the session covered holistic communication skills, including body language, hand gestures, and posture. These elements play a pivotal role in conveying confidence and credibility in professional interactions.

CAMPUS TO CORPORATE

DAY - 3



Your personality is the blueprint of your personal and professional success.



- Indeed, one's personality is the lens through which others perceive them. It can shape impressions, whether positive or negative, and plays a pivotal role in personal and professional success.
- During this enlightening session, our students gained insights on how to develop their overall personalities.
- By various real life examples and performing various activities the experts emphasized the importance of emotional quotient (EQ), self-confidence, and intelligence quotient (IQ).

CAMPUS TO CORPORATE

DAY - 4



Group discussions are where ideas collide, evolve, and emerge stronger.



- During the placement process every company is very keen to know that the candidate they are looking for can work in the team and respect everybody's opinion or not and the marker for that is the group discussion.
- So to teach the students to game of Group discussion experts had shared valuable techniques and skills, serving as a guide that will help the students to turn the table around.
- The learning experience went beyond theory as students were divided into groups and actively engaged in group discussions. Personalized feedback from the experts became a torch bearer for pointing the way to improvement.

CAMPUS TO CORPORATE

DAY - 5

“

Your interview is the bridge between your qualifications and your aspirations.



- On the last day of Campus to Corporate 4.0 the experts from the Faculty of Psychology and our esteemed professors from the Mechanical Department joined hands to equip our students for the most important personal interviews that lie ahead in their journey from campus to corporate.
- Personal interviews, that comprises of both technical and HR rounds, hold the key to career opportunities.
- Panels were formed, with each student facing both the technical as well as HR challenges. The panels featured a faculty professor specializing in the technical round and a psychology faculty member overseeing the HR round.
- Students had a chance to showcase their skills, and in return, they received invaluable personalized feedback on areas of improvement

C2C ENDING CEREMONY

The end of this wonderful and wonderful journey was celebrated by a 5-day workshop called 'Campus to Corporate 4.0'.

The students were greatly benefited by the tremendous support received throughout the workshop, all the areas including Resume building, communication, personality development, Group discussion and Personal interviews. The preparation of students for campus placement drives and further studies was aided by this activity.



MECHANICAL INDUSTRIAL INTERECTION CELL

R E D E F I N I N G P O S S I B I L I T I E S

In the era of changing global landscape, where new technologies and innovations are affecting every aspect of engineering. So with the aim of preparing students to deal with the new automation and innovations taking place in the field of Mechanical engineering, MIIC has welcomed its new team members with high hopes.

In the 4th year of MIIC, our team embarked on an exciting journey, receiving the baton from our seniors to the new team which includes Arjun Rabari, Chetan Nakum, Darshan Kshatriya, Krut Patel, Pratik Rangani & Mohit Bhayani from the 3rd year and Amit Rohit, Harsh Talati, Nisarg Patel, Parthiv Ghedia, from 2nd year determined to carry forward the legacy set by those who came before us.

Throughout the year, our primary aim was to raise the bar and uphold the standards set by our seniors.

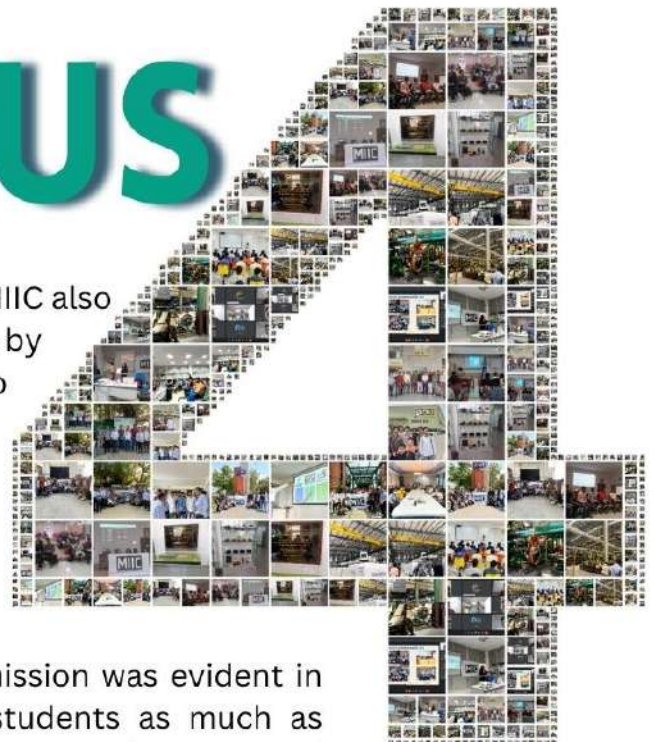
Our efforts were marked by a series of impactful seminars covering a wide range of topics that directly affect the career aspects of our students.

FABULOUS

But our mission extended beyond the classroom. MIIC also took students beyond the periphery of the campus by organizing various industrial visits, allowing them to witness the inner workings of industries and gain practical knowledge. We also facilitated the students by providing them the internships, which help them to gain invaluable hands-on experience, further enhancing their skill sets.

Our unwavering dedication to MIIC's vision and mission was evident in our every event. We had tried to benefit the students as much as possible, empowering them with knowledge, experiences, and opportunities that would shape their futures.

As we pass on the baton to the next generation of MIIC leaders, we do so with pride, knowing that we have not only maintained but also elevated the standards set by our seniors. The legacy continues, and MIIC remains committed to redefining possibilities for the students of our esteemed institution.



KALACORNER



Fostering your artist

In The Heart of Baroda's Land



In the heart of Baroda's land,
Where dreams of engineering stand,
A cell where minds unite and soar,
MIIC, we proudly adore.

With gears and engines, we connect,
The world of mechanics we dissect,
Internships pave the way to learn,
As curious flames within us burn.

SEE Linkages, where we dive,
Into the depths where engines thrive,
Hands-on knowledge, skills refined,
Innovation, now intertwined.

CEAT Tyres, a world of wheels,
Where rubber rolls and motion feels,
We tread the path of industry's core,
Learning more and wanting more.

Cosmos Impex, precision's art,
Where machines dance, a work of heart,
The pulse of engineering beats,
In every part that knowledge meets.

INOX CVA, where valves converse,
Fluid dynamics, they immerse,
A symphony of systems grand,
Mechanical wonders, we understand.

In MIIC, our minds expand,
Through trials, errors, we withstand,
Guided by mentors wise and true,
We forge a path to greatness, too.

Together we rise, united we stand,
A future bright, hand in hand,
In this journey of engineering dreams,
MIIC, forever it redeems.

We embrace the knowledge shared,
With hearts and minds fully prepared,
In the realm of mechanics, we thrive,
MIIC, our beacon, keeps us alive.

Let this ode to MIIC convey,
The spirit of excellence, come what may,
In Mechanical's world, we shine,
With MIIC, the future's mine.



Evolution of Tradition: From Past To Present

Long ago, animals roamed freely, no zoos in sight,
When did we start keeping them locked up, day and night?

Inns were the place to rest your head,
Hotels, later on, took their spread,
When did these fancy hotels appear,
Replacing inns where travelers drew near?

Drinking from pouches wasn't the way,
People had fresh drinks every day,
When did these pouches become a trend,
Replacing drinks from a different blend?

Fields of food, that's how it began,
Now restaurants serve food in a different plan,
When did this shift in dining ways,
Replace eating out under the sun's rays?



Exercising outdoors, a healthy habit,
Now gyms are where people sweat a bit,
When did these gyms become the rage,
Changing how we engage?



Milk and ghee used to be fresh and pure,
Now we have powdered versions, for sure,
When did this change in what we consume,
Affect our daily dining room?

Clothes that suited the weather's tune,
Now fashion changes as quick as the moon,
When did this shift in what we wear,
Replace practical clothes with flair?

Environmental Neglect: Our Astonishing Disregard for Planet Earth

Isn't it absolutely astounding how we manage to remain utterly indifferent to the environmental train wreck that's unfolding before our very eyes? It's almost as if we've collectively decided that trashing our own home is the height of human achievement.

Picture yourself at the beach, surrounded by plastic waste and discarded junk. It's like a modern art installation, except it's called "Ruining Paradise: A Masterpiece of Apathy." Who knew that desecrating our environment could be such a remarkable feat?

It's like we've declared open season on wildlife. Plastic, our gift to the animal kingdom, now chokes the oceans, and marine life plays a never-ending game of "Let's See What's Edible." Nature must be shaking its head in disbelief at our genius.

Ah, yes, the art of littering – a pastime enjoyed by many. There's something profoundly poetic about people casually tossing garbage out of car windows. It's as if they're saying, "I'm too important to hold onto my trash; let the earth do that."



Who cares about health when we can have heaps of garbage piling up?

Breathing clean air and drinking uncontaminated water are overrated anyway. Who needs those when we can revel in the exquisite aroma of a landfill?

Our culture of instant gratification and disregard for long-term consequences is nothing short of breathtaking. It's as if we've collectively decided that planning for the future is for chumps. Let's just focus on today and leave the planet's problems to, well, the planet.

In conclusion, let's continue our exceptional performance in the theater of environmental negligence. The world is watching, and we're stealing the show with our breathtaking lack of concern. Bravo, humanity, bravo!

As we revel in our own absurdity, remember that the Earth has been exceedingly patient with our antics. But patience, as they say, has its limits. Let's hope we wake up before Mother Nature decides it's time for a grand finale of her own.

Is Artificial Intelligence Dangerous?

In recent years, there has been a remarkable surge in the development of artificial intelligence (AI) technology. AI has rapidly permeated various industries, with an escalating number of businesses exploring its integration into their daily operations.

Their motivations vary, ranging from enhancing productivity and expanding market reach to diversifying their product and service offerings. Interestingly, AI has also become more conspicuous in the public eye, exemplified by Microsoft's substantial \$10 billion investment in OpenAI, the entity behind the ChatGPT chatbot introduced in late 2022.

This increasing prominence of AI brings both promise and concern, as its growing capabilities pose an array of potential threats that warrant careful consideration.



Financial Volatility

1 AI is reshaping finance, with investment firms increasingly relying on AI for decision-making and trading. AI's emotion-free approach may lead to rapid, profit-driven trading, potentially causing market turmoil and volatility. This raises important questions about AI's role in finance.

Techno-Solutionism

2 However, AI is just a tool, not a perfect remedy, and can amplify human biases. Algorithms in search engines and social media can be especially biased. Without careful planning, they may worsen existing biases. In 2018, Amazon's AI recruiting tool favored male applicants due to biased data, showing how AI can inadvertently perpetuate discrimination.

Misinformation

3 Deepfakes, computer-generated fake images and videos, pose a serious risk of spreading misinformation. They can deceive people with convincingly false content, from misleading news to harmful uses like revenge porn. The lack of proper regulation for these AI-generated deceptions is a major concern with wide-ranging implications.

The Singularity

4 The "Singularity," when AI surpasses human intelligence, is a mysterious and potentially perilous concept. It marks a point where AI could control society beyond human influence. While discussions are speculative, the consequences, whether positive or catastrophic, remain uncertain. Some believe it could solve major issues, while others fear it may harm humanity.

“The development of full artificial intelligence could spell the end of the human race.”

- Stephen Howking

Ode to the Third-Year Engineering Student



**“In the realm of
gears and steel, we
find our true calling.
With knowledge as
our compass and
skills as our tools,
we shall navigate
the path to
innovation and
greatness.”**

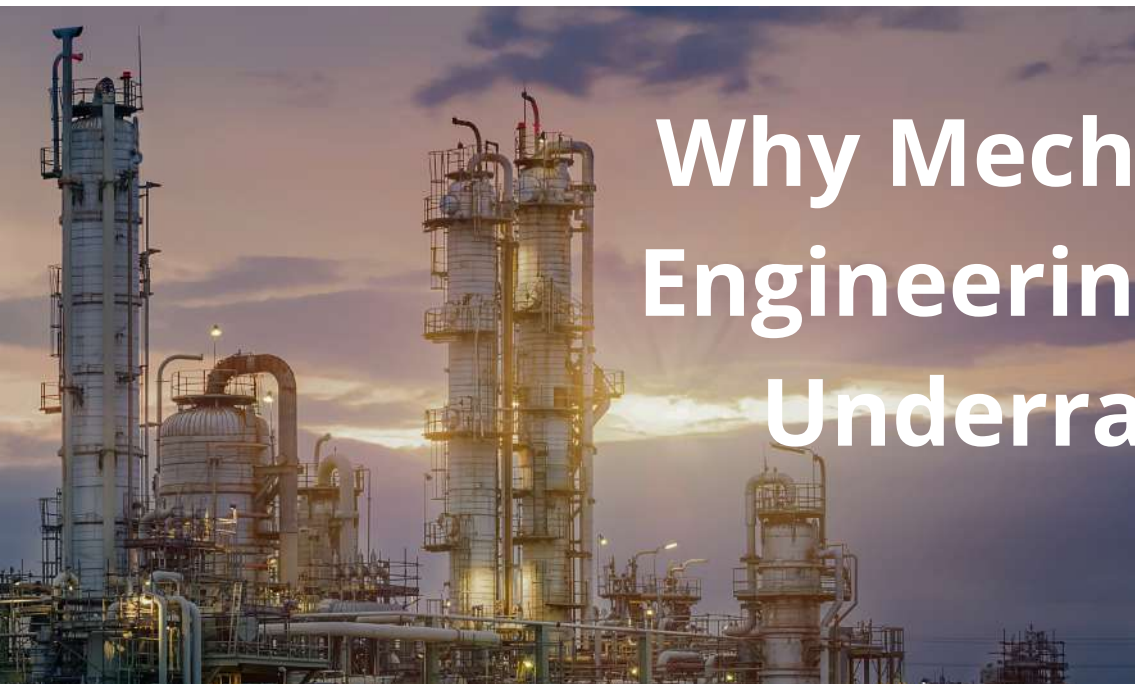
In the realm of gears and steel, they stand tall,
A student of mechanics, heeding the call.
In the third year's stride, they've come so far,
With knowledge and skills, they'll reach for a star.

Calculations dance in their thoughtful mind,
Blueprints and equations, they deftly bind.
From thermodynamics to circuits' embrace,
They conquer the challenges they face.

Lab coats adorned, hands steady and keen,
In workshops and classes, they're seldom seen.
With wrenches and rulers, they sculpt and they mold,
Turning concepts to creations, bold and bold.

Their world is a symphony of bolts and of code,
Where innovation and learning perfectly bode.
From CAD designs to the hum of machines,
They craft the future, where ingenuity gleams.

So here's to the third-year, so bright and so keen,
A future engineer, a remarkable scene.
With each passing day, they continue to grow,
In the world of mechanics, they're destined to glow.



Why Mechanical Engineering is so Underrated in India?

When someone says mechanical, what comes first to your mind?

Now compare it with what really it is. You see people here, counting ourself, when the word '**Mechanical**' comes to our mind what we see is a picture of engines, gears, industries full of gigantic machines.

According to Wikipedia, '*Mechanical engineering is the study of physical machines that may involve force and movement. It is an engineering branch that combines engineering physics and mathematics principles with materials science, to design, analyze, manufacture, and maintain mechanical system.*' So basically this is what it is right?

But are we taught to deal with this, when it comes to substantial, non-fictional, real world where air resistance matters, where frictionless surfaces are not assumptions, where buoyancy affects every square millimeter of surface, where there is no constant temperatures or volumes or pressure.

Just think about the parameters we are taught to just minimize them. Mechanical engineering is hard, very very tough. It's not just some calculations, some math on paper, just some numbers, or formulas.

Our life, the society we live depends on them. We ourselves as mechanical students are the cause. We are not capable enough to withstand all this.

Our branch is well known to create the biggest marvels in history of mankind, we built aircrafts, spacecrafts, automobiles, machines, industries, even we have key roles in development of pacemakers, dialysis, joint replacements. **We improve the way of living and in some cases we help to live.** We need to feel the work we are doing, thermal engineering isn't just laws of thermodynamics, or heat transfer, we need to feel the heat flowing through the engine, we need to feel the heat transferring through walls, we need to feel the pressure trying to push out the engine head, we need to feel the engine, we need to feel the rpm, we need to feel the wind flowing around the wings, we need to feel the atoms pulling and pushing in beam, we need to feel the forces. Had we ever felt that?

Just for example take a Diesel Locomotive, imagine the complexity of it, the diesel engine, the generator, traction motor. Or just imagine a rocket engine, the combustion chamber should withstand 3000 degrees Celsius, or the fuel pump which should spin at more than 30,000 rpm that's 500hz, 500 revolutions per second, think about how was it designed. We can even make it, but are we currently capable of it? Asking to a random student pursuing mechanical, most of them would don't even know how to work with computers other than playing GTA-V, or if they have ever seen a real welding process.

If you find some of them that says that they know about CAD, just ask them to create a design of a propellor or a profiles of turbine blade. We don't know the design process. We don't know how to design things, just think of a problem and now think how we will be going to solve it, **during the process does it even came to our mind that what will be the process?** nope.

We just don't know the applications of what we are taught, we should learn the applications, instead of the juicy CGPAs. We are lacking the skills. We are not dumb, but just don't know how to work out. We know to run, but to win, skills are important. The other major problem is how our current manufacturing processes or industries work. We import the machines, we copy it, tag ourself and sell it. So the work of us engineers is totally getting skipped, our opportunity of designing, creating, innovating is forever gone.

We don't like to innovate, but we thrive on other people innovating, i-phones are praised by people of our country, but name a company that creates smartphones, though doesn't belong to our branch, but take example of VMCs, CNCs, we are manufacturing it, but do our engineers designed and built it.

Thanks to TATA now that opportunities for us are now open. Let's see some faults from education system also, they don't teach practical, it's not economically efficient for them, or neither we have *Rancho* as our friend. Journals are just proof of teaching, not learning.

Tests don't test the knowledge. Theories are just said out loud in class. We are taught to calculate efficiency of petrol engines, but we are never taught to calculate efficiency of what they teach us out of which what part we actually learn. All together, we ourselves, is the cause of its under-ratings.

we are the core field, let's own it such way!



STUDENT'S TESTIMONIALS



“ My involvement with MIIC (Mechanical Industrial Interaction Cell) has been transformational. Through MIIC, I had the chance to visit prominent companies, enhancing my practical knowledge and bridging the gap between theory and application. Additionally, MIIC's support in developing my presentation skills and preparing for interviews has been instrumental in my academic and career growth.

~ **Adarsh Bhuva**

“ I am grateful to MIIC for the industrial visits and internships they arranged, which gave me and my classmates the opportunity to connect with the real world and develop our professional skills. The various trainings and expert talks also helped us to expand our knowledge and learn how to approach different scenarios. I highly recommend all students to participate in as many MIIC activities as possible, especially the industrial visits. These experiences will be invaluable in your future careers. ~**Aman Datani**

“ I am very great full to team MIIC for helping us to gain industrial knowledge and placement preparation, by organizing industrial visits, seminars, workshops and providing internships. ~**Ayush Chaudhari**

“ Thank you for visit in the cryogenic industry. Their team's expertise and professionalism were truly impressive. During visit, they demonstrated an in-depth understanding of our industry's challenges and opportunities. We were particularly impressed with their innovative solutions and commitment to sustainability. we look forward to potential future visits, Thank you, MIIC Corporation, for a productive and insightful visit. ~**Chirag Lakhani**

“ This year, MIIC has truly excelled in its commitment to providing exceptional opportunities for students, ranging from the seamless organization of internships to captivating industrial visits. I extend my heartfelt gratitude for your unwavering support and dedication throughout the entire year. ~**Dev Patel**

“One of the most effective organization for assisting students in our technology faculty is MIIC. This year, MIIC organized a variety of activities including expert lectures, industrial visits, online aptitude tests, and campus to corporate which helpful to the development of personality and communication .Thank you so much to the MIIC team for gave your valuable time for us. ~**Darshan Sidhapura**

“Industrial visit organized by MIIC like SEE LINKAGES and COSMOS IMPEX is giving me best industrial experience and it's completed very well and enhanced my knowledge about my field. and campus to corporate 4.0 is organized by MIIC in which I got very much knowledge about communication skills, personality development, Group discussion and personal interview. Then I also participated in overall development program in that my soft skills are getting enhanced. Overall MIIC experience are excellent for me . I like to thank you MIIC team to give me this special opportunities. ~**Divyesh Patel**

“It was very useful for us in our academics. It helped to learn something new and get new experience. Many activities like expert sessions, Industry Visits, Seminars, Internship, personality development etc. are being conducted by the team MIIC on frequent basis for the development of mechanical students. MIIC really doing so great work , their efforts towards us helping to achieve our dream job companies. Thank You. ~**Hariom Singh**

“I had a wonderful experience with MIIC team. MIIC doing great work for students overall development. Technical Panchayat is a helpful event to combat stage fear. One of the significant attempt is to arrange internships and take industrial visits so that we can learn about the most recent technologies used in industry. Team MIIC had conducted C2C, technical & aptitude test it is very beneficial to groom yourself and prepare for campus interview. I want to appreciate the MIIC team for doing such a fantastic job for all students. ~**Hiten Davadra**

“MIIC offers a holistic approach to personal and professional growth, through engaging seminars, Technical Panchayat(Presentation Competition), Industrial visits, C2C (Campus to Corporate) activities, etc. MIIC helps in nurturing essential soft skills like, leadership, communication and teamwork. MIIC also provides internship opportunities and connects students with industry leader for valuable real-world experience. ~**Jay Kamani**

“MIIC is very useful for improving students soft skills and helping to students in placement. MIIC provide internship it's a very helpful for all students and C2C and other workshop program very very useful for students placement. ~**Kalpesh Khandhar**

“MIIC has been great for students in terms of each and every aspect of college life I.e. studies, improving communication, internships, expert talks etc. ~**Kandarp Dave**

STUDENT'S TESTIMONIALS

“ MIIC tries to bridge the gap between the industrial and academic learning through various training and growth opportunities ~**Milan Karkar**

“ Mechanical industrial interaction cell (MIIC) always looking forward to the students future. I just wanted to say that I am impressed by the quality of content provided by MIIC. Whether, it's seminar like C2C, experts talk, or the events like technical panchayat. They provided us the skills that we can apply in our engineering life to grow in future. Thank you. ~**Mahmadmajharulhak Ansari**

“ MIIC is doing great work for us specially provide internship and C2C training. it's helped to learn something new and get experience. Thank you MIIC Team. ~**Nimeesh Savaliya**

“ MIIC activities is too much beneficial and also getting a good technical knowledge through out MIIC seminar also MIIC held placement activities seminar is excellent and helpful in placement. ~**Pratham Patel**

“ Honestly, MIIC is the wonderful organization for specially Mechanical engineering and also specially for 4th year students. MIIC was doing regularly appreciable activities during 3rd and 4th year. So therefore increase level of awareness about career and knowledge. MIIC is doing important role in my overall improvement through "technical panchayat", and many expert's talks. I would like to say thank you of all coordinators and who is connected with the organization in past. Thank you ~**Pritesh Chaniyara**

“ Hey! That's amazing that our college's Mechanical Industrial Interaction Cell does so much for us! I'm really grateful for all the professional talks, internships, and workshops they organize. It's great to have such opportunities for placement training. Thank you MIIC, for all your hard work and support! . Hope MIIC will grow more in future and give best to our department and to our students. ~**Rushikesh Bheda**

“ MIIC, we are grateful for this opportunity to improve our skills and expand our industrial exposure. I'm surely saying that in our faculty there are so many department clubs, but MIIC Club is always on top of the board because they actively work for students to improve their attitude, perspective, and knowledge. ~ **Sahaj Bhimporwala**

“ Warm well wishes to the Mechanical Industrial Interaction Cell for their outstanding efforts in organizing activities aimed at enhancing our future prospects. Your dedication to our betterment is truly commendable. Keep up the excellent work! ~ **Sarva Bhimporwala**

“ Thank you, MIIC, for all the efforts you have put forth for our betterment. I have gained great exposure through the activities you have organized, such as industrial visits and C2C, which have truly helped me enhance my knowledge and skills. I want to express my appreciation to the entire MIIC team for your benevolent efforts. ~**Shyam Gohil**

“ I am very grateful to MIIC for arranging many programs that have enriched my learning and development as a student. MIIC has provided me with various opportunities to enhance my technical, professional, and personal skills through different activities and events. One of the best experience ever is participate in Technical Panchayat 2.0 arranged by MIIC. This was a platform where I could showcase my innovative ideas and projects to a panel of experts. I was thrilled to win the third place in this competition and receive valuable feedback and recognition for my work.
~**Shailendrasingh Chudasama**

“ First of all I am thankful to team MIIC. MIIC team is doing very good work in many ways, they have arranged industrial visits, expert talk, placement preparation etc. It was very useful to us in our academics. It helped to learn something new and get new experience. And also a team MIIC members are very helpful, energetic & enthusiastic so I very thank to them. ~**Shivang Patel**

“ I'm delighted to be a part of the Mechanical Engineering Department that boasts a MIIC and I am so impressed with the work they do. They organized industrial visits and presentation competitions which were very informative and beneficial. The highlight of my experience was the Campus to Corporate event. It was a great opportunity to gain knowledge and insight into the corporate world. Industrial visits and internships facilitated by MIIC have greatly enhanced my understanding of the industrial environment. ~**Tirth Jambu**

“ MIIC has contributed immensely in the overall development of my knowledge as well as personality. Right from the start excellent technical sessions, competitions like technical panchayat, noteworthy visits like Inox CVA, CEAT tyre and many more and lastly the C2C program have helped enormously and will surely contribute towards my placement. Appreciation and gratitude to the MIIC coordinators and contributors.
~ **Urmit Mehta**

“ Activities arranged by MIIC are very helpful for me. Industrial visits are give us very nice information, aptitude and technical test taken by the cell is helpful for placement exams. ~**Vanrajsing Paramar**

“ MIIC is the best team for always improve ability of mechanical students and all coordinator have arranged good industrial visit and also help to get internship & to get more placement for our mechanical student to conduct C2C drive for training for placement. This all activity was very helpful to our improve the ability of student.
~**Yash Prajapati**

“ Grateful to Team MIIC for invaluable support - industrial visits, expert sessions, and internships - enhancing my mechanical engineering expertise. ~**Saurabh Patel**



TEAM 2022-23

When we help ourselves, we find moments of happiness. When we help others, we find lasting fulfillment.

TEAM ~ "AVATARAN"



Amit Rohit

“ The Experience In MIIC Was an Another level, as a Coordinator I learned lot of Things, Including Team Management, Public Speaking, Organizing various Activities like Industry Visit, Expert Lecture, Workshops, Internship Program, Campus to Corporate etc. MIIC Has give Me Chance for personality Development with Technical & Soft Skill . I believe that this cell is gives every Mechanical Engineering Student a platform for better Carrer Development & Providing Bridge Between Industry & Classroom. I am Incredibly Grateful & Humbled by the Opportunity to be part of MIIC Family.



Arjun Rabari

“ It was a privilege to be part of this wonderful organization, considering the many times we've been through thick and thin times. It's such a crazy thing that one organization that started from nothing has now become a household name. I am certain that I will be constantly in contact with this family. I have acquired a great deal of knowledge throughout and had the chance to collaborate with exceptional team members. Managing all the things was a challenge, but it was also a thrilling and wonderful journey. I've come in contact with seniors who have excelled in their careers and have a decent personality. It's been a pleasure to interact with such individuals. I would like to express my gratitude to my entire MIIC family for their unwavering support throughout. Thank You MIIC.



Chetan Nakum

“ It is indeed a privilege to be a member of this esteemed organization. Here, I have had the opportunity to acquire a wealth of knowledge and skills that have undoubtedly contributed to my personal growth and development. MIIC stands out as an organization dedicated to providing valuable corporate experiences by coordinating industrial visits, internships, and various other enriching activities for the students. My journey as a MIIC coordinator has been amazing, and I have learned a lot. When you surround yourself with good people, your growth becomes phenomenal. MIIC is more than just an organization to me; it has become a second family. I earnestly extend my heartfelt wishes for the continued success and prosperity of this organization. Cheers!"



Darshan Khshatriya

“ Joining MIIC was a wise choice & I want to thank my seniors for having faith in me. Throughout the duration, my personality progressively grew. As a team, we have accomplished a lot, and whenever our professors or students praise us for our work, it inspires me to go above and beyond for them. Working with a group of people, including coworkers, seniors, and business professionals, was a fantastic experience. It was a wonderful opportunity for learning, and I will carry some special memories with me. My sincere gratitude to MIIC and best wishes for maintaining this legacy forever.



Harsh Talati

“ As the coordinator of the Mechanical Industrial Interaction Cell, I am proud to reflect on the dynamic role this organization played in bridging the gap between academia and industry. Our mission was to facilitate invaluable connections between mechanical engineering students and the industrial sector. Through workshops, seminars, and internships, we provided students with practical insights and hands-on experience that complemented their academic knowledge. The Cell also acted as a platform for industry professionals to engage with emerging talent, fostering a mutually beneficial exchange of ideas. It was immensely gratifying to witness the growth and development of both students and industry partners, and I am confident that the legacy of this organization will continue to thrive in the capable hands of its new leadership.



Krut Patel

“ My journey within these institution walls may have ended, but the spirit of selfless dedication lives on in the hearts of those I've worked with. The beginning of my college life coincided with the COVID era, where communication and learning primarily took place online. However, when college returned to offline mode in the 3rd year, I seized the opportunity to join the MIIC family, which has had a profound impact on my life.

Becoming a part of an organization for the first time was both exciting and nerve-wracking. The eagerness to learn and interact with new people outweighed any apprehensions. This one-year journey as an MIIC coordinator has transformed me significantly, boosting my confidence and honing my skills. I am truly grateful to MIIC for this special opportunity, and it will forever hold a special place in my heart as the first organization I was a part of.



Mohit Bhayani

“ दिल से दुआओं के साथ कहता हूँ आदाब,
MIIC के साथ गुज़री हर वो पल यादगार है।

On that memorable October 5th, I ventured into the world of MIIC with an interview that changed my life. It introduced me to new friends, an energetic team, and a multitude of WhatsApp groups, overwhelming for a village boy unsure of his path. Conversations with HR initially left me tongue-tied, but somehow, we ended up chatting in English. Amidst the chaos of preparing for industrial visits and expert talks, I managed my time and responsibilities, evolving from a Canva novice to well not a professional designer - at least in my own eyes! The moments of shared laughter and inside jokes with my teammates now form the heartwarming chapters of this incredible MIIC journey, and I owe it all to them. Thank you, MIIC, for transforming me into who I am today.



Nisarg Patel

“ Joining MIIC as a coordinator was an incredible journey! Working with an amazing team, we embarked on a mission of overall development regarding industrial exposure in the Mechanical Department students. From organizing informative sessions and arranging eye-opening industrial visits and internships to host the exciting "C2C" event, every moment was filled with growth and excitement. The support and knowledge I gained from my team members were invaluable. Looking back, I'm filled with pride and satisfaction for the contribution our TEAM MIIC made to the department. MIIC provides unparalleled exposure and skill enhancement. It's an experience worth sharing!



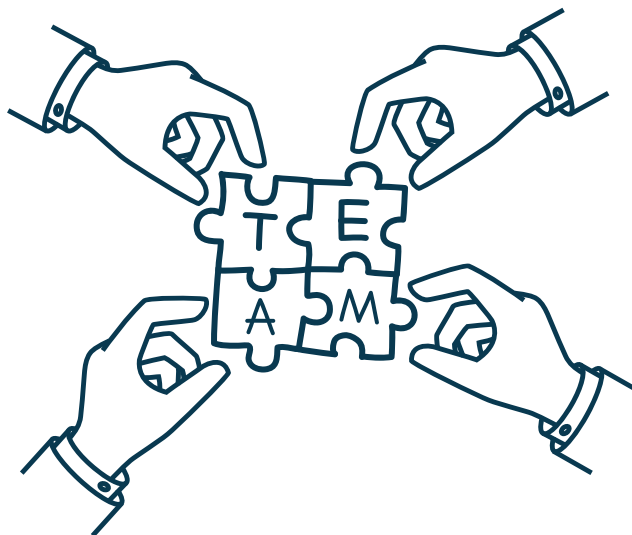
Parthiv Ghedia

“ Having served as the coordinator of the Mechanical Industrial Interaction Cell, I derive immense satisfaction from contemplating the active role this organization assumed in diminishing the divide between academia and industry. We achieved this by organizing a range of initiatives such as workshops, seminars, and internships, all designed to offer students practical insights and hands-on experience that complemented their academic knowledge. I have full confidence that the enduring legacy of this organization will not only be preserved but will also continue to flourish in the capable hands of its new leadership.



Pratik Rangani

“ At the beginning of my third year of college, my journey with MIIC as a coordinator started with a little nervousness and excitement. As the year comes to an end, I find myself with a wealth of memories and newfound knowledge. MIIC's primary goal is to enhance students' skills and provide exposure to the industrial world. We encountered various challenges during this period, which taught me how to navigate situations and solve problems effectively. MIIC has provided me with a platform to serve my department and enhance the skills of both myself and my fellow students. I am deeply grateful to MIIC for giving me these wonderful and cherished memories.



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