



FOUNDATION FORWARD

Bridging Gaps, Building Tomorrow



LETTER FROM THE DEPUTY DIRECTOR'S DESK

Dear Readers,

As we present the inaugural edition of the ASME Foundation India newsletter, we reflect on a year of new beginnings and collaborations. This newsletter marks the commencement of an exciting journey for ASME in the area of philanthropy for a developing ecosystem.

India's rich diversity and challenges offer a unique opportunity for this transformation. Engineering has the potential to drive social and economic progress, but talented students often face significant obstacles. It's our goal to bridge those gaps, ensuring engineering becomes a tool for positive change.

Our dedication to sustainability ensures these programs create a long-term impact for communities in need. Your unwavering support has made all of this possible. As we look ahead, we remain committed to giving back to the communities we serve.

In the coming months, we will share more stories of impact, innovation, and community success. Thank you for your belief in our mission and invaluable contributions. With your support, we are building a brighter, more inclusive future for generations to come.

Avni Malhotra
Deputy Director, ASME Foundation India



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CSRL KANPUR WORKSHOP



The ASME Foundation India's philanthropic programs empower young engineers at every stage of their journey—igniting inspiration, fostering learning, guiding career growth, and nurturing the innovations that will shape the future.

ABOUT ASME FOUNDATION INDIA (AFI)

Through **Education that Inspires**, helping young people pursue **Careers that Matter**, and nurturing **Ideas that Innovate**, the ASME Foundation India opens the world of engineering for diverse individuals who will transform our world.

The ASME Foundation India is committed to empowering women and underrepresented communities in the field of engineering. Through partnerships and philanthropy, we strive to make engineering a catalyst for social and economic progress, ensuring that everyone can contribute to and benefit from India's growth.

PHILANTHROPY

Ms. Stephanie Viola, Executive Director of the ASME Foundation and Managing Director of ASME Philanthropy, and **Ms. Karen E. Russo**, Senior Director of Strategic Communications, visited India in December 2024 to support the impact of philanthropy-driven initiatives.

Their visit provided profound insights into groundbreaking projects that are empowering underprivileged communities with education, essential skills, and sustainable solutions. By engaging directly with project partners and beneficiaries in the state of Bihar, they witnessed lives being uplifted, potential being unlocked, and lasting change taking root. Their visit reinforced ASME's unwavering dedication to empowering communities, driving innovation, and shaping a more equitable world.



INTERACTION WITH DIVYAJYOTI SELF HELP GROUP IN VAISHALI, BIHAR, INDIA UNDER THE SABJI KOTHI PROJECT.



Promoting Integrative Mechanical Engineering Education in collaboration with CSRL

- The **Centre for Social Responsibility and Leadership (CSRL)** empowers aspiring students from economically disadvantaged backgrounds. Through its **Super 30 program**, CSRL **equips underprivileged students for admission to top engineering institutes**. In collaboration with AFI, CSRL fosters leadership and engineering education through sensitization programs across **10 locations**.
- The initiative offers exposure to **Mechanical and Allied Engineering Fields**, as well as **Design Processes**, helping students grasp the fundamentals of engineering and lay a strong foundation for their future.

Empowering Women through Social and Engineering Innovation Initiatives

- An innovative initiative in Bihar is empowering women-led Self-Help Groups (SHGs) in Vaishali and Madhubani by introducing **Sabji Kothi**, an eco-friendly storage solution designed to reduce post-harvest losses and enhance sustainability.
- Implemented by Nav Bihar Samaj Kalyan Kendra and Sarvo Prayas Sansthan, this project is **improving economic opportunities for 20 SHGs engaged in vegetable cultivation**.
- Strategic visits by ASME leaders and NGO partners have strengthened the initiative, paving the way for impactful interventions, including training in advanced farming techniques, financial literacy, and sustainable agricultural practices.



TRANSFORMATIVE WORKSHOPS

CENTRE LOCATION	NUMBER OF STUDENTS
Varanasi	30
Kanpur	100
Jodhpur	30
Dehradun	30

CSRL CENTRE FOR GIRLS VARANASI & KOLKATA

CSRL CENTRE FOR BOYS KANPUR & JODHPUR

CSRL CENTRE CO-ED DEHRADUN



This initiative aims to boost livelihoods, foster women's leadership in agriculture, and drive progress toward the UN SDGs 1 (No Poverty) and 2 (Zero Hunger)

NUMBER OF SHG: 20

NUMBER OF SHG MEMBERS: 275

SECTIONS IN INDIA



ASME STUDENT SECTION

Members can engage with ASME through sections led by dedicated volunteers. Student Sections connect students across colleges, fostering support and growth opportunities. Professional Sections provide local networking and career development through a range of programs and activities.

STUDENT SECTION UPDATES

- ASME India proudly wrapped up December 2024 with an impressive **126 Student Sections** nationwide.
- **3 Student Sections Leadership Meets** held in 2024, bringing together over **178 student leaders** from 70+ Student Sections. These inspiring meets took place in Pune, Maharashtra (August), online (August), and Kochi, Kerala (October).



ASME MAHARASHTRA SECTION ANNUAL MEET

PROFESSIONAL SECTION UPDATES

- **2 new Professional Sections** launched in Gujarat (September 2024) and Kerala (October 2024), bringing the total number of Professional Sections to **6**.
- **3 in-person seminars and 6 webinars** hosted on trending topics such as Oil & Gas, Vehicle Dynamics, and CFD in Battery Simulation hosted, engaging **over 160 attendees**, with **42%** of them being professionals.
- **3 Professional Sections set to be launched**, covering the following regions: **Chandigarh and Punjab, Uttar Pradesh and Uttarakhand**, and **Eastern India** (comprising Jharkhand, West Bengal, Odisha, Sikkim, and the seven North-Eastern states).



KARNATAKA SECTION LAUNCH



MAHARASHTRA SECTION LAUNCH

NEXT GEN INNOVATION COMPETITIONS

ASME E-FEST



- **ASME E-Fest Careers 2024** held on September 21, 2024, under the theme 'Innovating the Future: Synergy Between AI and Mechanical Engineering.'
- **9,000+ students and professionals registered** for the virtual event, with **7,900+ participants from India**. The event featured **a series of talks by industry experts**, providing opportunities to learn, engage, and network with fellow engineers.
- Over **2,000 registrants** attended the event.
- **ASME E-Fest Tech Connect 2025** (formerly E-Fest Digital) is scheduled for **March 22, 2025**, featuring a series of talk sessions and virtual ASME competitions.

EFx EVENTS

- **4 in-person ASME EFx events** hosted between August and December 2024, with over **900 students** from **30+ institutes** across the country participating. These events took place in Assam, Kerala, and Telangana.
- The EFx events featured **6 ASME competitions, 4 impromptu contests**, and a variety of talk sessions and **workshops led by industry experts**.
- **3 upcoming EFx events** to take place in Kerala and Karnataka, including **EFx India**, scheduled for **March 27-29, 2025**, at the **Reva University campus in Bengaluru**.



ASME EFx SILCHAR 2024



ASME EFx 2018



INDIA'S RISING MEMBER NETWORK

ASME MAHARASHTRA SECTION MEET



ASME Membership opens the door to a **dynamic community of engineers**, empowering you to stay ahead of industry trends while **unlocking a range of exclusive benefits**. Joining ASME provides you **invaluable industry insights**, and offers opportunities to engage, volunteer, and grow. With ASME, you gain the guidance and resources to **elevate your career** at every step.

PROFESSIONAL MEMBERSHIPS

Whether you're a seasoned professional or just starting your career, ASME's membership community, resources, and tools will support you throughout your professional journey.

STUDENT MEMBERSHIPS

ASME's student membership community connects you with like-minded peers and supports your professional development as you advance through school and into your career.

SPECIAL OFFERS

- **ASME E-Fest Careers** is a global event offering opportunities focused on the 'Jobs of the Future' and more.
- **ASME E-Fest Tech Connect** (formerly E-Fest Digital) is a non-profit initiative featuring expert-led career and professional development sessions, digital competitions, and more.
- **Engineering Scholarships:** Over \$400,000 in engineering scholarships is awarded annually to undergraduate and graduate student members, along with loans of up to \$10,000.
- **ASME Career Center:** Career development, professional learning, and job opportunities, including internships.



OFFLINE MEMBERSHIP ENGAGEMENTS

ASME actively engages with engineering professionals, students, and industry leaders through strategic offline outreach activities.

By participating in key industry events, conferences, and networking meets, ASME promotes its membership benefits and programs, fostering a strong engineering community. These engagements provide a platform for knowledge exchange, professional growth, and increased awareness of ASME's initiatives.

- **34th Annual ISNT Non-Destructive Evaluation & Enabling Technologies 2024:** ASME booth to promote membership and programs.
- **30th International Corrosion Conference & Exhibition (CorCon):** ASME booth to showcase membership benefits and initiatives.
- **ISTCOSA Networking Meet and AGT Event 2024:** ASME addressed participants on membership value and available programs.



Total Members	5,497
Active Professional Members	877
Active Student Members	4,620



34th Annual ISNT Non-Destructive Evaluation & Enabling Technologies 2024



30th International Corrosion Conference & Exhibition (CorCon)



ISTCOSA Networking Meet and AGT Event 2024

MEEd SUMMIT: RETHINKING EDUCATION, REVOLUTIONISING INDUSTRY



GLIMPSES FROM LNMIIT, JAIPUR



GLIMPSES FROM GTU, AHMEDABAD

The ASME MEEd Summit, the world's foremost mechanical engineering education seminar, brings together educators and industry practitioners to examine the dynamic landscape of the interdisciplinary engineering fields.

- The **2024 MEEd Summits in India** were held at **LNMIIT Jaipur and GTU Ahmedabad**, each attracting **over 100 participants** including deans, faculty, researchers, and industry leaders.
- The LNMIIT summit addressed **gaps in mechanical engineering education and Industry 4.0 needs**, while the GTU seminar focused on the **National Education Policy 2020, innovation, and entrepreneurship** in rural and urban India.

The impact of these summits is reflected in the key takeaways from the discussions:

- **Industry-Driven Research and Internships:** Panelists emphasised the value of industry-focused research projects and on-field internships for bridging the gap between academia and real-world applications.
- **Future Opportunities for Mechanical Engineering Students:** Discussions centred on the growing prospects for mechanical engineering students, with a focus on aligning education with national missions such as 'Viksit Bharat 2047' and 'Make in India'.
- **All-Round Skills Development:** Panelists highlighted the importance of equipping students with a diverse skill set to meet the demands of modern engineering roles, enhancing both technical and soft skills.



GLIMPSES FROM LNMIIT, JAIPUR



GLIMPSES FROM GTU, AHMEDABAD



MEd Steering Committee Meeting

- The MEd Steering Committee met in November 2024 to review the MEd Summits at LNMIIT and GTU and discussed the **MEd India Symposium** taking place at **IMECE India in Hyderabad**.
- The Committee proposed to create **innovation verticals in mechanical engineering** focusing on strategic sectors like semiconductor manufacturing.
- The Committee deliberated on **institution autonomy and funding**. It was discussed that institutions must explore R&D and alumni-driven funding models.

One of the most important takeaways of the meeting was the discussion on forming a task force of industry practitioners to help design the curriculum and developing new system of credits based on interdisciplinary skill development and industry immersion.

- The meeting concluded with the recognition of the opportunities for **ASME in thought leadership** including at the MEd India Symposium which is envisioned as a unique and vital platform for continued university-industry collaboration and future partnerships.



A collective opinion from both the MEd Summits was that the mechanical engineers need to work in cross-cultural and cross-functional global teams to build sustainable products.

ASME CONNECT: WHERE INNOVATION MEETS IMPACT

The **ASME Connect film campaign celebrates** the remarkable **contributions of ASME members and volunteers** through a series of compelling interviews. Highlighting professionals, engineers, academics, and student leaders, the campaign **shines a spotlight on their impactful work** in the engineering field.

With over 20 interviews completed, ASME is set to visit Gujarat to engage more members. This initiative aims to showcase ASME's impact, strengthen community bonds, inspire future engineers, and increase visibility. By sharing personal stories, the campaign promotes innovation, fosters participation, and highlights the value of ASME membership, encouraging professional growth and deeper engagement.

Voices of Innovation: Conversations with Engineering Pioneers



Mr KB Singh envisions a transformative decade for ASME, with a focus on supporting young engineers in India as the country adapts to climate change and evolves pipeline operations.

He believes ASME will be pivotal in shaping engineering knowledge and ensuring safety. Watch his full interview [here](#).



Mr Shino Ulahannan emphasises the power of ASME's resources- workshops, webinars, journals, and codes, in shaping successful careers and addressing societal challenges.

He highlights that these resources not only align professional growth with societal issues but also offer personal fulfilment, enabling engineers to contribute their knowledge back to the community, fostering both success and purpose.

Watch his full interview [here](#).

BLUEPRINTS OF CHANGE: HOW YOUNG INDIAN GIRLS ARE BUILDING A FUTURE IN MECHANICAL ENGINEERING

Inspired to Innovate: Aishwarya's Experience with ASME and CSRL

Hi, I'm Aishwarya Malhotra, and I'm preparing for my exams at Super 80 in Varanasi with the help of CSRL. It hasn't been an easy path, but CSRL's support and focus on peer learning have made it easier for me to keep going.

Today, we had a session with the American Society of Mechanical Engineers (ASME), and it was really inspiring. The people from ASME Foundation India talked about the different areas of engineering and how engineers make a difference. We also did a fun, creative assignment that got me excited about the possibilities in engineering. Thanks to CSRL, I feel hopeful and ready for what's next.



AISHWARYA MALHOTRA FROM CSRL CENTRE, VARANASI. [CLICK HERE TO KNOW HER EXPERIENCE](#)

Finding Purpose Through Peer Learning: Shreya's Journey in Engineering



SHREYA RAJPUT FROM CSRL CENTRE, VARANASI

Hi, I'm Shreya Rajput from Guna, Madhya Pradesh. My journey toward becoming an engineer has had its ups and downs, but CSRL has been there to support me every step of the way.

The peer learning and self-study at the center have helped me stay focused and motivated, with friends to share the experience and help each other out.

Today, I attended a session by ASME and CSRL, and it really opened my eyes. I learned so much about what engineering is and how important it is in our world. It made me even more excited about my future and reminded me why I'm working so hard. Moments like these keep me going and make me believe I can achieve my dreams.

UPCOMING EVENTS

EFx India 2025

- Date: 27-29 March 2025
- Venue: Bengaluru

ISHOW INDIA 2025

- Date: April 2025
- Venue: Hyderabad

MEEEd INDIA SYMPOSIUM 2025

- Date: 10-13 September 2025
- Venue: Hyderabad

CONNECT WITH US

Join us on our digital journey!

Connect, learn, and grow with ASME as we explore innovative solutions, share inspiring stories, and build a stronger engineering community.



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Our sustainable future takes all of us!

Your gift to the ASME Foundation India supports tomorrow's innovators at each step of their engineering journey.

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