

SOCIETY OF MANUFACTURING ENGINEERS

ANNUAL REPORT

2024 - 2025

SME NED Chapter

October 2024 - March 2025

About SME NED Chapter

The Society of Manufacturing Engineers (SME), NED Chapter, is dedicated to the academic and professional development of students in Industrial and Manufacturing Engineering. The society fosters innovation, technical skills, and industry readiness through various workshops, seminars, and industrial visits. SME acts as a bridge between academia and industry, promoting sustainability, ethical values, and leadership among future engineers.



Executive Committee 2024–25

- **Faculty Advisor:** Ms. Rabia Siddique
- **President:** Hamza Ahmed
- **Vice President:** Jaweria Jawed
- **General Secretary:** Urooba Tanveer



Cabinet Members:

- **Event Management:** M. Abdullah (Director), Mutiba Iqbal & M. Reeyan (Co-Directors), Baqar Hussain (Assoc. Director)
- **Human Resources:** Fakhrunisa (Director), Kisa Alam & Hafsa Jabeen (Co-Directors), Nehal (Assoc. Director)
- **Promotions:** Tahira Hanif (Director), Maheen Ali & Lameah (Co-Directors)
- **Creativity:** Javeria Talha (Director), Khizra Nadeem & Ilsa Anis (Co-Directors)
- **Graphics:** Misbah (Director), Zarbab & Hamna Kamran (Co-directors), Abeera & Rafia (Assoc. Directors)
- **Industrial Liaison & Graphics:** Zoya (Director), Ali Hasnain & Abdullah (Co-Directors)
- **Media:** Aiman Naqvi (Director), Abdul Rehman & Hamza (Co-Directors), Aaraiz (Assoc. Director)
- **Ambassadors:** Maheen Aslam, Sara Khan



Key Highlights & Events

Induction Ceremony – Oct 2, 2024

A warm welcome was extended to new members. The induction ceremony began with the national anthem and speeches from the president and the faculty advisor, followed by the distribution of certificates and a video presentation introducing the cabinet members.



Industrial Visits

- **KTDMC – Oct 28, 2024**

Students observed real-world industrial processes, machinery, and safety protocols at Karachi Tool, Dies and Moulds Centre (KTDMC), gaining practical exposure to industry standards.

- **Ghandhara Automobiles Ltd. – Nov 2, 2024**

Students explored truck assembly lines and modern manufacturing practices, deepening their understanding of the automotive industry's standards and challenges.

- **Total Parco – Nov 7, 2024**

An educational visit to the Lube Oil Blending Plant at Port Qasim gave students insights into energy-efficient and ISO-certified processes, guided by industry professionals and faculty.

- **Atlas Honda Pvt Ltd. – Jan 14, 2025:** Participants observed the production of high-quality motorcycles, understanding the assembly line, automation, and safety measures.

- **Agriaautos Stamping Pvt Ltd. – Jan 27, 2025:** Students explored the production of automotive components like struts and knuckles, gaining insights into stamping and forming processes.

- **Atlas Engineering – Jan 28, 2025:** Attendees learned about manufacturing automotive parts and the integration of industrial automation and quality control.



- **Star Denim Pvt Ltd. – Jan 29, 2025:** This visit to a top denim manufacturer highlighted the entire fabric production process, including sustainable and eco-friendly practices.
- **GlaxoSmithKline (GSK) – Jan 31, 2025:** A deep dive into the pharmaceutical industry, where students observed medicine and vaccine manufacturing processes.
- **Dawlance – Feb 11, 2025:** An insight into home appliance manufacturing, including refrigerators and washing machines, with a focus on innovation and quality.
- **Artistic Milliners – Feb 12, 2025:** Students observed denim and garment manufacturing, witnessing sustainable textile practices and modern dyeing technologies.
- **Mondelez – Feb 12, 2025:** Famous for Cadbury and Oreo, the visit gave participants an inside look at food processing, packaging, and quality assurance.
- **Crescent Steels – Apr 10, 2025**
Students explored steel manufacturing processes, including pipe production, quality control, and safety protocols, gaining practical exposure to heavy industrial operations.
- **Pak Suzuki – Apr 15, 2025**
The visit provided insights into automotive assembly lines, lean manufacturing practices, and the integration of automation in vehicle production.
- **NKR Engineering – Apr 16, 2025**
This visit highlighted precision engineering, CNC machining, and custom fabrication processes used in producing industrial components.



- **SUPARCO – Apr 29, 2025**

At SUPARCO, students learned about aerospace and satellite technology, R&D processes, and Pakistan's advancements in space science and engineering.

Seminars, Workshops & Training Sessions

- **Advancement in Composite Materials – Nov 5, 2024**

Featuring experts from SUPARCO, this session covered innovations in fibers, alloys, and polymers, enlightening students on current trends in material science.

- **Industry 4.0 – Nov 11, 2024**

This seminar highlighted the evolution of industries and introduced emerging technologies defining the fourth industrial revolution, sparking critical discussion among members.

- **Career Advice & International Opportunities - Jan 10, 2025**

Mr. Kashif Khan guided students on building global careers and preparing for international opportunities.

- **Purpose of Life - Jan 20, 2025**

Mr. Adnan Khan inspired students to find purpose in life and align their goals with meaningful careers.

- **Lean Gamification - Feb 6, 2025**

Held at Feroze 1888 Mills, this session used games to teach lean principles, efficiency, and waste reduction.

- **Resume Building Workshop - Feb 22, 2025**

Amal Academy conducted an online session helping students craft strong, job-ready resumes.

- **Graduate Immigration Webinar - Mar 3, 2025**

Alumnus Arsalan Qutbi shared UK immigration guidance and career tips in an interactive session.



Collaboration & Sports

NED Olympiad 4.0 – Nov 13-15, 2025

Members enthusiastically participated in sports and physical activities such as football, cricket, sprinting, chess, and more. The society celebrated runner-up positions in:



- Girls' Arm Wrestling
- Girls' Relay Race
- Girls' Tug of War
- Boys' Sprint

These achievements reflected teamwork, sportsmanship, and dedication.

SME x NSA Collaboration - Sep 3, 2024

A joint effort with the NSA to promote academic growth through shared seminars and student engagement initiatives.

SME x ASME Collaboration – Oct 29, 2024

Collaborated with ASME to conduct technical sessions and foster knowledge exchange across engineering domains.

NOMADS MOU Signing for Sponsorship – Jan 17, 2024

An MoU was signed with NOMADS to secure sponsorship for events, enhancing support for student activities.



IMD Sports Week 2.0 – Jan 21-23, 2025

Organized in collaboration with Nomads Adventure Services, Sports Week 2.0 was an energetic and inclusive event that promoted physical fitness, teamwork, and community spirit. Held at various campus venues, the event included cricket, futsal, badminton, table tennis, hurdle and relay races, sprints, and arm wrestling for both boys and girls. The event was a huge success in building a sense of camaraderie among students.



SME x TE Links Collaboration – Mar 2, 2025

Partnered with TE Links to bridge industry-academia gaps through expert talks and professional networking.

Internship Program

The Winter Internship Program (December 2024 – January 2025) was successfully conducted, providing industrial exposure to 45 students from the Industrial and Manufacturing Department. Students were placed at reputed organizations, including Utopia Industries, Pakistan Aviators



& Aviation Pvt Ltd., Atlas Honda Limited, Atlas Engineering Ltd., Alcop Aluminium, and Archroma. These internships allowed students to apply their academic knowledge in professional settings, gain hands-on experience, and build industry connections.

Community Services

Orphanage Drive at Alkhidmat Aghosh – Mar 15, 2025

SME organized a heartwarming visit to Alkhidmat Aghosh, where members spent quality time with orphaned children. Volunteers engaged in interactive activities, shared moments of joy, and donated essential items. The visit reflected SME's commitment to social responsibility and giving back to the community.



Outdoor Activities

Annual Picnic – Apr 19, 2025

SME arranged a fun-filled picnic at Shamsi Resort with separate units for boys and girls. The day included pool time, indoor/outdoor games, breakfast, and lunch, making it a refreshing and memorable experience for all.



Annual Dinner

Closing Ceremony

Closing Note

The SME NED Chapter was marked by impactful events, industrial exposure, skill-building sessions, and meaningful collaborations. From technical growth to community service, each initiative reflected dedication, teamwork, and progress. We look forward to continuing this journey of excellence in the years ahead.

