

A Report on **One-day Industrial Visit to**  
**"Motherson Automotive Technologies & Engineering, Chennai"**  
**Organized by Industry Relations**  
**In Association with Department of ECE, MITS**  
**on 22.04.2026**



Report Prepared by: Mrs. V. Sai Anusha, Assistant Professor, Department of ECE, MITS.

Report submitted by: Mr.G. Kumar, IRO-Industry Relations, MITS.

Mode of Conduct: Offline

No. of Students: 55

Faculties Accompanied: Dr. Thrinadh Jadam, Asst. Professor, Department of Mechanical Engineering and Mrs. V. Sai Anusha, Assistant Professor, Department of Electronics & Communication Engineering, MITS.

Report Received on 28.04.2026.

**Introduction:**

Motherson Group is one of India's leading multinational manufacturing organizations and a global supplier of automotive and engineering components. Founded in 1975 in Delhi, India, by Mr. Vivek Chaand Sehgal, the company began as a small trading enterprise and has grown into a globally diversified industrial group. Today, Motherson operates across multiple countries and serves major automotive OEMs such as Maruti Suzuki, Hyundai, and other global manufacturers. The group specializes in products including wiring harnesses, polymer products, vision systems, mirrors, lighting systems, and electronic components. With a strong focus on innovation, quality, and sustainability, Motherson continues to play a significant role in the automotive, aerospace, and consumer electronics sectors while actively supporting skill development through internships and industry-academic collaborations.

**Objectives of the Visit:**

- To gain practical exposure to real-time industrial operations and manufacturing processes
- To understand the organizational structure and working environment of Motherson Group
- To learn about automotive components manufacturing, assembly, and quality control practices
- To bridge the gap between theoretical knowledge and industrial applications
- To understand internship and career opportunities in the industry
- To enhance awareness of industry standards, safety measures, and professional practices



### Details of the Visit:

During the interaction, it was conveyed that the Motherson Group is a prominent global supplier of automotive components, catering to leading automobile manufacturers including Maruti Suzuki and Hyundai Motor Company. The company has a diversified product portfolio that includes wiring harnesses, plastic and polymer components, mirrors, camera systems, lighting solutions, precision equipment, and complete module assemblies. In addition to the automotive sector, Motherson has successfully extended its expertise to the aerospace industry, demonstrating its strong technological capabilities and adaptability to advanced engineering domains. Beyond manufacturing, Motherson plays a significant role in engineering design and product development. The organization actively contributes to the development of automotive systems by focusing on vehicle safety, electronics, and advanced mobility technologies, thereby supporting original equipment manufacturers in introducing innovative and high-performance features in modern vehicles.

The speaker further explained that Motherson operates through 12 independent business divisions, offering a broad spectrum of products and engineering solutions. Among these, the Wiring Harness, Vision Systems & Modules, and Polymer Products divisions together account for more than 95% of the group's total revenue, reflecting their strategic importance. The company's continuous expansion and diversification efforts support its vision of becoming a globally preferred provider of sustainable solutions. Additionally, Motherson has developed robust infrastructure and employee support systems, including in-house guest houses and travel facilities, which contribute to operational efficiency and employee welfare. As part of its expansion into electronics manufacturing, Motherson Electronic Components Pvt. Ltd., incorporated in March 2023 and headquartered in New Delhi, focuses on consumer electronics production under the Samvardhana Motherson Group. This initiative involves an investment of approximately ₹1,900 crore and is expected to generate over 5,000 employment opportunities during the period from FY 2026 to FY 2031, further strengthening the company's contribution to industrial growth and employment generation.

The Modules and Polymer Plant of the Motherson Group employ nearly 1,500 personnel, highlighting the organization's large-scale manufacturing capabilities and its substantial contribution to industrial production. In addition to its manufacturing excellence, Motherson places strong emphasis on skill development and student engagement by providing internship opportunities, particularly for final-year students. These internships are offered under government-supported initiatives such as the National Apprenticeship Promotion Scheme (NAPS), which follows a "learn and earn" approach. Through this program, students receive hands-on industrial training along with a monthly **stipend of approximately ₹15,000 during a three-month internship period**. This initiative helps students develop technical competence, professional discipline, and workplace readiness, thereby significantly enhancing their employability through real-time industrial exposure. The overall session gave students a comprehensive view of Motherson's remarkable growth journey, from a modest trading company to a globally recognized manufacturing leader. Furthermore, students were guided by the General Manager through the manufacturing facility, where live demonstrations of production processes were provided. This practical exposure allowed students to observe the manufacturing, assembly, and processing of components in real time, enabling them to gain a deeper understanding of industrial operations, workflow management, and production efficiency.

### Outcome of the visit:

- Students gained specific insight into Motherson's automotive manufacturing operations, particularly in wiring harnesses, polymer modules, and assembly systems.
- Improved understanding of Motherson's production workflow, quality assurance practices, and adherence to automotive industry standards.
- Exposure to real-time plant operations, including material handling, assembly lines, inspection, and safety practices followed at Motherson.
- Students learned about Motherson's role as a major supplier to leading automobile manufacturers and its global presence.
- Awareness was created about internship opportunities at Motherson, including skill-based training and industry-oriented learning programs.
- The visit enhanced students' motivation to pursue careers in automotive manufacturing and allied industry sectors, aligning academic knowledge with industrial applications.



## **Sustainable Development Goal (SDG) Mapping:**

Sustainable Development Goal (SDG) Mapping – Motherson Group Visit

The industrial visit to Motherson Group aligns with the following United Nations Sustainable Development Goals (SDGs):

### **SDG 4 – Quality Education:**

The visit provided students with practical industrial exposure, enhancing experiential learning and bridging the gap between academic knowledge and real-world applications.

### **SDG 8 – Decent Work and Economic Growth:**

Motherson promotes skill development, internships, and employment opportunities, contributing to productive employment and sustainable economic growth.

### **SDG 9 – Industry, Innovation, and Infrastructure:**

Exposure to advanced manufacturing technologies, automation, and quality systems highlighted Motherson's role in fostering industrial innovation and resilient infrastructure.

### **SDG 12 – Responsible Consumption and Production:**

The company follows efficient manufacturing practices, waste reduction, and quality control measures that support sustainable production processes.

### **SDG 17 – Partnerships for the Goals:**

The visit strengthened industry–academia collaboration, supporting knowledge sharing and long-term cooperation between educational institutions and industry.

## **Conclusion:**

The industrial visit to Motherson Group proved to be a highly enriching and educational experience for the students, offering an in-depth understanding of contemporary industrial practices and large-scale automotive manufacturing operations. Through direct exposure to real-time production environments, students were able to observe the integration of advanced machinery, systematic workflows, and stringent quality control measures followed by the organization. The visit clearly highlighted Motherson's commitment to innovation, efficiency, and global quality standards, which has enabled the company to become a trusted supplier to leading automobile manufacturers worldwide.

Interactions with industry professionals provided valuable insights into organizational culture, safety practices, and the expectations of the modern manufacturing sector. Students gained clarity on how theoretical concepts learned in classrooms are applied practically on the shop floor, thereby strengthening their technical foundation and problem-solving abilities. Information shared regarding internships, skill development programs, and career pathways further motivated students to align their academic learning with industry requirements.

Overall, the visit successfully fulfilled its objectives by enhancing students' industrial awareness, professional outlook, and employability skills. It also reinforced the importance of industry–institute collaboration in preparing students for real-world challenges. The experience at Motherson Group has left a lasting impact on the students, encouraging them to pursue continuous learning, practical exposure, and industry-oriented careers in the automotive and manufacturing domains.