MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
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A Report on Industrial Visit to "Motherson Automotive Technologies & Engineering" Organized by Department of Electronics and Communication Engineering on 19.11.2026





Report Submitted by: Mrs. V. SAI ANUSHA, Assistant Professor, Department of Electronics and Communication Engineering.

Facilitated by: Industry Relations Department, MITS Deemed to be University, Madanapalle
Mode of Conduct: Offline
Report Received on 21.11.2026

Industry Visited	Motherson Automotive Technologies & Engineering (MATE)
Date	19th November 2026
Number of Students	47 (III ECE-C)
Number of Faculty Members	2
Faculty Coordinators	Dr. R. Ravindraiah Mrs V. Sai Anusha

Purpose of the Visit:

The Department of Electronics and Communication, MITS Deemed to be University, Madanapalle, organized an industrial visit to Motherson Automotive Technologies & Engineering, Kancheepuram District, on 19th November 2026 for third-year B. Tech students. The visit was facilitated by the Industry Relations Department.

A total of 47 third-year ECE students, accompanied by two faculty members, participated in the industrial visit.

The primary objective of the industrial visit to **Motherson Automotive Technologies & Engineering, Kancheepuram District**, was to provide students with practical exposure to automotive manufacturing processes, advanced industrial technologies, and real-time engineering practices. The visit aimed to bridge the gap between theoretical knowledge and industrial applications, familiarize students with modern manufacturing techniques, quality control, and automation processes, and create awareness of emerging technologies, internship opportunities, and career prospects in the automotive industry.

Technical Interaction and Industry Exposure

During the visit, Mr. Yukesh, **Human Resources Generalist**, highlighted the company's commitment to achieving carbon net-zero emissions across its global operations by 2040. He also explained the company's sustainability initiatives aligned with the ESG (Environmental, Social, and Governance) framework, emphasizing environmental protection and preservation of the planet, social responsibility through ensuring the well-being and equal opportunities for all, and ethical governance practices that promote sustainable, long-term growth.

Interaction on Industry Insights, Global Excellence & Sustainability

Mr. **Ramana Sowrirajalu, General Manager at Motherson Group**, highlighted the company's global presence, with over 400 facilities across 44 countries. He outlined the company's vision of becoming a **globally preferred sustainable solutions provider** and emphasized strengthening customer trust through the **QCDDMESES** approach, encompassing Quality, Cost, Design, Delivery, Environment, Safety, Sustainability, and Management to ensure operational excellence and continuous improvement.

He also provided insights into the company's key manufacturing activities, including the production of automotive plastic components, assembly of various parts, precision engineering, and the supply of specialized components to the aerospace industry, showcasing Motherson Group's diverse manufacturing capabilities and global industrial contributions. He also introduced **Motherson Electronic Components Pvt Ltd (MECPL)** and highlighted its involvement in electronics manufacturing, including the production and assembly of electronic chips for mobile phones and electronic panels for Apple products. He further mentioned the company's manufacturing presence in Chennai, with approximately 35 plants, reflecting its growing footprint in the electronics manufacturing sector.





Furthermore, he mentioned Motherson Group's major customers, including **Hyundai, BMW, Volkswagen, Toyota, Audi, KIA, Renault, and Honda**. He explained the company's role as a global **Tier 1 component supplier**, providing automotive components to leading Original Equipment Manufacturers (OEMs), including Hyundai. He also stated that Hyundai manufactures approximately **2,500 cars per day**, illustrating the scale of automotive production and the importance of Mother son's contribution to the automotive supply chain.

Observation of Industrial Work Culture and Employee Discipline

During the industrial visit, students observed that all employees were carrying out their assigned tasks sincerely, with utmost dedication and discipline. The plant maintained a quiet and focused working environment, with employees concentrating on their respective responsibilities. Students calmly observed the employees' work processes, gaining insights into industrial discipline, professionalism, teamwork, and efficient workplace practices.

Overall Outcome of the Visit

The industrial visit to Motherson Automotive Technologies & Engineering, Kancheepuram District**,** provided valuable practical exposure to third-year Electronics and Communication Engineering students and enhanced their understanding of automotive manufacturing processes, electronics production, industrial practices, and emerging technologies.

- Gained practical insights into automotive component manufacturing, plastic components production, assembly operations, and precision engineering.
- Understood the role of Motherson Group as a global Tier 1 component supplier to leading automobile manufacturers such as Hyundai, BMW, Toyota, Volkswagen, Audi, and KIA.
- Acquired awareness of electronics manufacturing activities, including electronic components for mobile phones and electronic panels for Apple products.
- Gained insights into industrial automation, quality control, safety practices, sustainability, and modern manufacturing technologies.
- Understood the importance of ESG initiatives, environmental responsibility, and the company's vision of becoming a globally preferred sustainable solutions provider.
- Observed industrial work culture, employee discipline, teamwork, and efficient manufacturing practices.
- Gained awareness of career opportunities and potential employment prospects in the automotive, electronics, and aerospace manufacturing sectors.

Acknowledgement and Gratitude

The Department of Electronics and Communication Engineering expresses its sincere gratitude to the management and personnel of **Motherson Automotive Technologies & Engineering, Kancheepuram District**, for providing an excellent opportunity to visit their facility and for sharing valuable insights into automotive component manufacturing, electronics production, precision engineering, assembly operations, industrial practices, quality control, sustainability initiatives, and emerging technologies. The department also sincerely appreciates the company representatives, particularly **Mr. Ramana Sowrirajalu, General Manager, Motherson Group**, and **Mr. Yukesh, Human Resources Generalist**, along with other employees, for their informative sessions, valuable interactions, and for sharing their professional experiences and industry perspectives with the students.

The department gratefully acknowledges the support and encouragement extended by the Hon'ble Chancellor, Vice-Chancellor, Registrar, Principal, Head of the Department of Electronics and Communication Engineering, faculty coordinators, Industry Relations Department, and the management of **MITS Deemed to be University, Madanapalle**, for facilitating the successful organization of the industrial visit