

**A Report on Industrial Visit to “Kajaria Ceramics Limited”**  
**Organized by Industrial Relation Cell**  
**In Association with the Department of ECE, IIC, IIC, MITS**  
**on 30.04.2026**



**Report Submitted by: Mrs. K. Revathi, Assistant Professor, Department of Electronics and Communication Engineering**

**Participants: B. Tech-First Students**

**Total No of participants: 32**

**Mode of Conduct: Offline**

**Faculties Accompanied: Mrs K. Revathi, Assistant Professor, Department of Electronics and Communication Engineering, Dr. T. Venkatesh Varma, Department of Civil Engineering**

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**Introduction:**

On 30th April 2026, the Industrial Relations Cell organized an industrial visit for the B.Tech. First-year students of Madanapalle Institute of Technology & Science (MITS), Deemed to be University, Madanapalle, Andhra Pradesh, to Kajaria Ceramics Limited, located at Industrial Park, Tatiparthi Village (near Peddakannali), Thottambedu Mandal, Tirupati District, Andhra Pradesh, 517642. Kajaria Ceramics Private Limited is the leading and No. 1 ranked company in India's tile manufacturing industry, known for its technological excellence, high production capacity, and strong quality standards. The Srikalahasthi unit operates with advanced automation and modern manufacturing systems, ensuring consistent product quality and operational efficiency.

The primary objective of this visit was to provide students with practical industrial exposure and to bridge the gap between theoretical knowledge and real-world manufacturing practices. During the visit, students had the opportunity to observe the complete manufacturing workflow, including raw material processing, tile formation, glazing, firing, and quality inspection. The visit also provided an understanding of the company's organizational structure, innovation-driven approach, and its role as a global leader in sustainable manufacturing solutions.

**Objectives of the Visit:**

- To provide practical exposure to industrial automation systems used in tile manufacturing, including PLCs, sensors, and control units.
- To understand the role of embedded systems and electronic control circuits in monitoring and controlling production processes.
- To study the application of instrumentation systems for measuring parameters such as temperature, pressure, and humidity in industrial environments.
- To observe the use of communication systems and industrial networks (such as SCADA and IoT-based monitoring) in real-time process control.
- To gain insights into power electronics and motor control systems used in conveyor belts, kilns, and automated machinery.
- To understand the implementation of quality control systems using electronic testing and inspection equipment.
- To enhance students' knowledge in signal processing, automation, and industrial electronics applications.
- To create awareness about career opportunities for ECE graduates in automation, embedded systems, industrial electronics, and manufacturing sectors.

## About the Organization

**Kajaria Ceramics Private Limited** is a prominent player in the ceramic industry with multiple manufacturing plants across India. The company specializes in:

- Ceramic wall and floor tiles
- Vitrified tiles
- Polished and glazed tiles
- Designer and digital tiles

The Srikalahasthi unit plays a significant role in the company's production capacity and follows advanced manufacturing practices with a focus on efficiency, sustainability, and quality.

## Activities during the Visit:

### 1. Introductory Session

The visit began with an introductory session by Mr. Sudhakara Raju, General Manager – HR & Administration, who provided an overview of Kajaria Ceramics Private Limited, highlighting its position as the No. 1 tile manufacturing company in India, organizational structure, and manufacturing capabilities.

Further insights were given by Mr. Rajendran S P, Chief Operating Officer (COO), who explained the company's production systems, technological advancements, and focus on quality and innovation.

### 2. Plant Tour

Students were taken on a guided tour of the manufacturing units, where they observed the complete tile production process, including raw material processing, pressing, glazing, firing, and packaging.

Special emphasis was given to automation systems, PLC controls, sensors, and industrial electronics, which are relevant to ECE students.

### 3. Interaction Session

An interaction session was conducted with the support of Mr. Sudhakara Raju (GM – HR & Admin) and technical staff. Students discussed career opportunities, required technical skills, and internship possibilities.

Mr. Rajendran S P (COO) encouraged students to focus on practical knowledge and industry-oriented skills.

### 4. Safety Briefing

A safety briefing was provided before the plant visit, explaining industrial safety rules, use of protective equipment, and precautions near machinery and high-temperature areas.



## Conclusion:

The industrial visit to Kajaria Ceramics Private Limited, Srikalahasthi, was highly informative and beneficial for students. It provided valuable exposure to industrial automation, PLC-based control systems, sensors, instrumentation, and real-time monitoring systems used in large-scale manufacturing. The visit enhanced students' understanding of how core ECE concepts such as embedded systems, industrial electronics, signal processing, and communication networks are applied in practical industrial environments. It successfully bridged the gap between academic learning and real-time engineering applications, preparing students for careers in automation and industrial sectors.

## Acknowledgments:

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