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**Industrial Visit At “Anchor
By Panasonic” on 5th
July 2025.
Gurukul Kangri University
Haridwar, Uttarakhand**

1. Acknowledgement

We would like to express our sincere gratitude to everyone who contributed to the success of our industrial visit to Anchor by Panasonic in Haridwar. This experience was invaluable and provided us with a practical understanding of industrial operations.

We extend our deepest thanks to the management of Gurukul Kangri & COER University for organizing this educational tour and for their continuous support. We are especially thankful to our faculty members, [Faculty Name(s)], for their guidance and for accompanying us, which made the trip both informative and seamless.

Our heartfelt appreciation goes to the management and staff of Anchor by Panasonic, Panasonic Life Solutions India Pvt. Ltd., for their warm welcome and for giving us this incredible opportunity. A special thank you to the company representatives who dedicated their time to explain the intricate manufacturing processes, demonstrate the application of modern lean tools, and patiently answer all our queries. Their insights have significantly enhanced our academic learning.

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3. Introduction

An industrial visit is a crucial component of an engineering and management curriculum, serving as a vital bridge between theoretical knowledge and real-world application. On 5th July 2025, a group of students from Gurukul Kangri & COER University embarked on an enriching industrial visit to the Anchor by Panasonic manufacturing facility located in the Integrated Industrial Estate, Haridwar, Uttarakhand.

The primary objective of this visit was to provide students with firsthand exposure to a modern manufacturing environment. By observing the production lines for electrical and consumer durable products, we aimed to understand the practical implementation of engineering principles, quality management systems, and operational excellence tools. This report details our observations, key learnings, and the practical application of lean manufacturing techniques such as 5S, Kaizen, and TIMWOODS, which were prominently showcased at the facility.

4. Company Profile: Anchor by Panasonic

Anchor by Panasonic is a leading player in India's electrical and consumer durables market. The company, originally founded as Anchor Electricals, was acquired by the global electronics giant Panasonic Corporation in 2007. This strategic integration leveraged Panasonic's advanced technology and quality standards with Anchor's established market presence in India. Today, the company operates as Panasonic Life Solutions India Pvt. Ltd.

Anchor by Panasonic is renowned for its wide range of products, including wiring devices (switches, sockets), wires and cables, switchgear (MCBs), lighting solutions, and fans. The company's vision is to provide innovative, safe, and high-quality electrical solutions for a better, more convenient, and comfortable life. The Haridwar plant is one of the company's key manufacturing hubs, known for its state-of-the-art technology and adherence to international quality and safety standards.

5. Overview of the Haridwar Manufacturing Plant

Upon arrival at the Haridwar facility, we were greeted by the company's human resources and operations team. The visit began with an orientation session in a training room, where a presentation provided a comprehensive overview of the company's history, product portfolio, and manufacturing philosophy. The presentation also highlighted the company's strong commitment to quality, safety, and sustainability.

Following the orientation, we were given a guided tour of the factory floor. The plant layout was meticulously organized into distinct sections: raw material storage, injection molding, the assembly line, a dedicated quality control and testing lab, and the final packaging and dispatch area. The facility was an exemplary model of a modern, well-maintained industrial unit.

During the tour, we observed the entire production process for various products. For instance, in the wiring devices section, we saw the automated injection molding of high-grade plastic components, of internal electrical parts.

6. Lean Manufacturing Principles in Practice

The most significant aspect of our visit was observing the practical application of lean manufacturing principles. The Haridwar plant serves as a testament to the effectiveness of these tools in optimizing production and ensuring operational excellence.

6.1. 5S Methodology

The 5S methodology—Sort, Set in Order, Shine, Standardize, and Sustain—was visibly implemented throughout the factory.

- * Sort (Seiri): The work areas were free of any unnecessary tools, parts, or equipment. Everything on the shop floor had a purpose, reducing clutter and improving efficiency.

- * Set in Order (Seiton): Tools and materials were meticulously organized with clear markings and labels. We observed dedicated spaces for tools, components, and even waste bins, ensuring that everything was easily accessible and returned to its designated location. This systematic arrangement was a prime example of "a place for everything, and everything in its place."

* Shine (Seiso): The factory floor, machines, and workstations were remarkably clean and well-maintained. This not only created a safe working environment but also allowed for quick identification of any leaks or machine faults.

* Standardize (Seiketsu): Standard operating procedures (SOPs) were posted at each workstation, detailing the correct way to perform a task. This standardization ensures consistency in product quality and process efficiency, regardless of the operator.

* Sustain (Shitsuke): The company's commitment to 5S was evident in its visual management and daily routines. Checklists and audit sheets were used to maintain these standards, demonstrating a culture of continuous improvement.

6.2. Kaizen (Continuous Improvement)

Kaizen, the philosophy of continuous small-scale improvements involving all employees, was a cornerstone of the plant's culture. The team leaders and supervisors encouraged employees to identify and suggest improvements, no matter how minor. This participatory approach to problem-solving was fostered through suggestion boxes and team meetings. For example, a minor change in the tool layout.

6.3. TIMWOODS (Eight Wastes of Lean)

The factory demonstrated a strong focus on eliminating the eight wastes, summarized by the acronym TIMWOODS.

- * **Transportation:** The plant layout was optimized to minimize the movement of raw materials and finished goods, with production lines arranged in a logical flow.

- * **Inventory:** The company used a Just-In-Time (JIT) approach to manage inventory, keeping only the necessary materials on the shop floor to prevent excess stock from accumulating.

- * **Motion:** Workstations were ergonomically designed to reduce unnecessary movements, such as bending or reaching, thereby improving worker efficiency and safety.

- * **Waiting:** The automated production lines and efficient workflow ensured that there was minimal waiting time for both materials and workers.

- * **Overproduction:** Production was aligned with demand to avoid creating excess products that would require storage and could potentially become obsolete.

- * **Over-processing:** The processes were streamlined to include only the necessary steps, eliminating any redundant or inefficient tasks.
- * **Defects:** The dedicated quality control lab and in-line inspections at every stage of production were crucial in preventing and identifying defects, ensuring that only high-quality products reached the final customer.
- * **Skills:** The company invested in employee training and engagement, leveraging the full potential of its workforce to drive innovation and continuous improvement.

7. Learning Outcomes and Conclusion

The industrial visit to Anchor by Panasonic in Haridwar was an exceptionally insightful and enriching experience. It provided us with a practical lens to view the theories we have studied in our classrooms, particularly in subjects like Operations Management, Quality Control, and Industrial Engineering.

The visit highlighted the critical importance of a structured and disciplined approach to manufacturing. The successful implementation of lean tools like 5S, Kaizen, and TIMWOODS demonstrated how companies can achieve operational excellence, boost productivity, and maintain high-quality standards. We learned that efficiency is not just about having advanced machinery but also about a robust work culture, continuous improvement, and the active participation of every employee.

In conclusion, this visit was an invaluable learning opportunity that successfully bridged the gap between academic theory and industrial practice. We leave with a deeper appreciation for the complexities of modern manufacturing and a greater understanding of the skills required to excel in the industry.

INDUSTRY ORIENTATION VISIT



Students from Gurukul Kangri University receiving an orientation on the company's profile and production processes in a training room at the Haridwar facility.



A group photograph of the students with the company officials, marking the successful completion of the industrial visit.