

Report on Industrial Visit to Goa Waste Management Corporation

Date: April 3, 2024

Venue: Goa Waste Management Corporation , Saligao

Participants:

- 47 B.E. students from the Information Technology department
- Faculty Members: Mr. Panchal R. V. and Ms. Kusumanjali Jagtap

Introduction:

On April 3, 2024, a group of 47 B.E. students specializing in Information Technology, accompanied by two faculty members, Mr. Panchal and Ms. Kusumanjali Jagtap, embarked on an educational industrial visit to the Goa Waste Management Corporation. This visit was organized to enhance the students' understanding of waste management processes, with a specific focus on managing dry waste effectively and transforming it into useful products like fuel.

Overview of Goa Waste Management Corporation:

The Goa Waste Management Corporation is a leading entity dedicated to sustainable waste management practices in the region. It specializes in managing various types of waste, including dry waste, through innovative and environmentally friendly methods.

In December 2016, the Government of Goa set up the Goa Waste Management Corporation under the Goa Waste Management Corporation Act, 1026 (Goa Act 19 of 2016) to deal with all waste related issues including remediation of dump sites in the State. GWMC is therefore a unique Special Purpose Vehicle (SPV) which is proactively working on the issue of solid waste management in the State of Goa.

Visit Details:

The visit commenced with a warm welcome by the knowledgeable staff of the Goa Waste by Mr. Sameer Natekar Sir, Engineer at GW Management Corporation. The students were briefed about the corporation's mission, objectives, and the significance of sustainable waste management in today's world.

The waste managed by the plant or corporation were solid wastage, e-waste, bio medical waste, Hazardous waste, construction and demolition waste. Various machines and process of converting waste into useful components, generation of fuel and other stuff.

Highlights of the Industrial Visit:

1. Waste Segregation Techniques:

The students were introduced to advanced waste segregation techniques employed at the facility. They observed how different types of waste, particularly dry waste like plastics, metals, and paper, are sorted efficiently using automated systems.

2. Fuel Production from Dry Waste:

One of the key highlights was the demonstration of converting dry waste into alternative fuels. The students learned about the processes involved in transforming non-biodegradable waste materials into valuable energy sources, contributing to renewable energy solutions.

3. Recycling and Upcycling Practices:

The visit included insights into recycling and upcycling practices adopted by the corporation to reduce waste accumulation. Students witnessed how certain waste materials are repurposed or recycled to minimize environmental impact.

4. Technological Showcase:

The students were exposed to cutting-edge technologies utilized in waste management. They had the opportunity to interact with sophisticated machinery and equipment used for waste processing and recycling, gaining practical knowledge about the role of technology in sustainable waste management.

5. Environmental Impact and Sustainability Discussions:

Throughout the visit, discussions were held on the environmental impact of improper waste disposal and the importance of adopting sustainable practices. The students actively participated in conversations about the role of technology and innovation in addressing global waste management challenges.

Educational Benefits and Learning Outcomes:

The industrial visit provided invaluable educational benefits to the students:

- Enhanced understanding of waste management principles and technologies.
- Practical insights into the application of IT in sustainable waste management.
- Exposure to real-world scenarios, fostering a sense of environmental responsibility.

Faculty Guidance and Student Engagement:

Mr. Panchal and Ms. Kusumanjali Jagtap played a pivotal role in guiding and mentoring the students throughout the visit. They encouraged active participation, facilitated discussions with industry experts, and ensured that students gained maximum learning from the experience.

Conclusion:

The industrial visit to the Goa Waste Management Corporation was highly enriching and enlightening for the B.E. students of the Information Technology department. It not only expanded their knowledge horizons but also inspired them to explore innovative solutions for environmental sustainability in their future careers.

This detailed report encapsulates the comprehensive experience of the industrial visit, emphasizing its profound impact on the students' academic and professional growth in the field of waste management and sustainable technology.

Photographs Of Visit:





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