# Report of Industrial Visit

**Section:** Bioinformatic Students, III year B.Tech
**Department:** Department of Biotechnology, KL University
**Date of Visit:** 25/08/2024
**Place of Visit:** Hindhustan Coca-Cola Beverage Ltd, Mangalagiri.

## 1. Introduction

Students from the Bioinformatics section of the Third Year, Department of Technology, KL University, had the opportunity to visit the Hindhustan Coca-Cola Beverage Ltd, Mangalagiri, Guntur District, Andhra Pradesh. This visit was part of our curriculum to gain practical insights into industrial operations, specifically within the food and beverage sector. The visit provided an extensive exposure to the workings of a large-scale bottling plant, managed by Hindustan Coca-Cola Beverages Pvt. Ltd. (HCCBPL), a significant contributor to Coca-Cola's operations in South India.

## 2. Overview of the Coca-Cola Beverages, Atmakur

The Coca-Cola factory in Atmakur is a key bottling facility under HCCBPL. Strategically located near Vijayawada, a major city in Andhra Pradesh, the factory plays a vital role in producing and distributing a wide range of Coca-Cola beverages across the region, including neighboring states. The plant's operations cover carbonated soft drinks, non-carbonated beverages, and packaged drinking water, adhering to advanced technology and rigorous quality control measures.

## 3. Factory Operations and Product Output

During the virtual tour, we were introduced to various aspects of the factory's operations:

### 3.1. Products Bottled:

- Carbonated Soft Drinks (CSDs):
  - *Coca-Cola*: The flagship cola beverage.
  - *Sprite*: A refreshing lemon-lime flavored soft drink.
  - *Fanta*: An orange-flavored carbonated beverage.
- Non-Carbonated Beverages:
  - *Minute Maid*: A variety of fruit juices, including orange, mango, and mixed fruit.
- Water and Hydration Products:
  - *Kinley*: Packaged drinking water.
- Other Beverages:
  - *Maaza*: A mango-flavored drink, widely enjoyed across India.

The factory's production lines are equipped with state-of-the-art bottling technology, designed to handle large volumes with high efficiency, ensuring the consistent quality and safety of the products. Although exact production figures are confidential, the facility's capacity is extensive, catering to the high demand in the region.

Details of packing and distribution

**PET : Poly Ethelene tetramine**

Is used in packing the bottles and manufacturing 250ml,500ml,750ml,1.5l they are mainly used in beverages industries

**Outlet per one day**

1lakh.34thousand glass bottles are getting exported from this industry
1lakh.70thousand plastic bottles are getting exported

**Quality analysis**

The main test that we have observed for quality checking the beverages is maintained by the sample bottles and the. Total formation of the bottle can be checked by spectrophotometer
Viscometer
G.V test: this is the test where we can know the percentage of gas in various methods
MANGO pulp is imported from the chittor
ORANGE pulp is imported from Japan
The Main R&D is located at Atlanta, America
TPM: total productivity maintenance

**4. Employment and Economic Impact**

The Coca-Cola factory in Atmakur is a significant employer in the region, providing numerous jobs both directly within the factory and indirectly through associated supply chains and logistics. This has a considerable positive impact on the local economy, supporting a range of businesses and communities.

**5. Environmental and Social Initiatives**

As part of its Corporate Social Responsibility (CSR) efforts, the Atmakur factory is involved in several initiatives aimed at sustainable development. These include:

- Water Conservation: Projects aimed at reducing water usage and improving water efficiency in the bottling process.
- Waste Management: Recycling programs and initiatives to minimize waste generation.
- Community Development: Engagement in local community programs to enhance living standards and provide educational opportunities.

**6. Conclusion**

The virtual visit to the Coca-Cola factory in Atmakur was an enlightening experience for our section. It provided us with a deeper understanding of large-scale manufacturing processes, the importance of quality control in the beverage industry, and the role of technology in ensuring product consistency. The exposure we gained from this visit is invaluable, bridging the gap between theoretical knowledge and practical industrial applications. A few pics of the visit:


Coca-Cola


Coca-Cola
Hindustan Coca-Cola
Beverages
WELCOME