

## DEPARTMENT OF CHEMICAL ENGINEERING

### Report

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| <b>Date of Visit</b>   | : 28-11-2024  |
| <b>Place</b>           | : Euro fin India Pvt Limited, Bangalore   |
| <b>Attendees</b>       | : Students of IIIrd , V and VIIth Semester, Chemical Engineering Department.                    |
| <b>Title of the IV</b> | : Industrial Visit to Hindustan Coco Cola Beverages Pvt. Ltd. Effluent Treatment Plant – Bidadi |

#### Faculty accompanied:

1. Dr.Manish Kumar, Assistant Professor, Chemical Engineering Department
2. Dr.Nikita Rajpal, Assistant Professor, Chemical Engineering Department

Industrial Visit to Hindustan Coco Cola Beverages Pvt. Ltd. Effluent Treatment Plant – Bidadi  
Date: November 28, 2024

The Department of Chemical Engineering, MVJCE organized an Industrial visit to Hindustan Coco Cola Beverages Pvt. Ltd. Effluent Treatment Plant – Bidadi on Thursday (28/11/2024). The UG 3<sup>rd</sup> , 5<sup>th</sup> and 7<sup>th</sup> Semester students participated in the visit. Students were accompanied by the faculty members Dr Manish and Dr Nikita. The main objective of the visit was to provide field experience to students on different concepts of chemical engineering aspects.

During the visit to Hindustan Coca-Cola Beverages Pvt. Ltd.'s Effluent Treatment Plant in Bidadi, Mr. Mahesh, the Executive Engineer, provided an insightful explanation of the various operations and processes involved in the treatment of wastewater. He began by outlining the critical need for wastewater treatment, emphasizing its role in protecting the environment and ensuring public health. Mr. Mahesh highlighted how untreated wastewater can lead to severe environmental degradation, polluting water bodies, and harming aquatic life. He stressed the responsibility of treatment plants to process this wastewater effectively, making it safe for reuse or release back into the environment. Mr. Mahesh then walked the students through the key stages of the treatment process, starting with primary treatment. He explained that this initial

phase involves the removal of solid particles and large debris from the wastewater. This is typically done through physical processes like screening and sedimentation, where heavier solids settle at the bottom, and lighter materials are skimmed off the surface.



### **Students group photo at Coco Cola plant, Bidadi**

The one-day Industrial visit to Hindustan Coca Cola Beverages Pvt. Ltd. Effluent Treatment Plant – Bidadi. Effluent Treatment Plant highlighted the critical importance of wastewater treatment in safeguarding the environment and public health. By illustrating the primary treatment stage, he emphasized the meticulous processes involved in removing solid waste and preparing wastewater for further treatment. The visit underscored the responsibility of industries in managing wastewater sustainably. It also provided valuable insights into the practical application of engineering principles in environmental conservation. This experience inspired the students to appreciate the significance of such facilities in promoting sustainable development.