

FACULTY – CHEMICAL ENGINEERING

INDUSTRIAL VISIT

REPORT

**JACOBI CARBONS INDIA
PRIVATE LIMITED**

**Kinathukadavu Post
Pollachi Taluk, Coimbatore - 642 109**

&

**M/s. WAFE Auxiliary
Chemicals Pvt. Ltd**

**Ganesapuram Post
Annur Taluk, Coimbatore – 641107**

Date: 7th October 2023 (Saturday)

**Organized by: Department of Chemical Engineering,
Coimbatore Institute of Technology (CIT), Coimbatore - 641014**

Participants: Faculty of Chemical Engineering, CIT

Introduction:

On the 7th of October 2023, the faculty of Chemical Engineering from the Coimbatore Institute of Technology embarked on an industrial visit to Jacobi Carbons India Private Limited and M/s. Wafe Auxiliary Chemicals Pvt Ltd. The visit aimed to provide explore potential collaborations between the academic and industry.

SESSION – 1

Visit to Jacobi Carbons India Private Limited:

The visit commenced as the faculty of Chemical Engineering departed from the Coimbatore Institute of Technology (CIT) at 9:00 AM. We reached **Jacobi Carbons India Private Limited**, Kinathukadavu, Pollachi (Taluk), Coimbatore, where we were warmly welcomed by **Mr. Sheik Dawood, General Manager & Mr. Boopathy, HR Manager**.

Meeting at Jacobi:

At Jacobi Meeting hall, we were briefed about M/s. Jacobi Group's sustainability initiatives and safety protocols to be followed within the industrial premises. The General Manager provided an extensive overview of the company's various products and their manufacturing processes.



Around 10.45 a.m., the faculty team was provided with safety helmets, safety boots and safety goggles before the Jacobi team took around us for the Industrial process tour. All of the safety measures to be followed with in the premises during the visit were clearly instructed by **Mr. Benjamin Stanley, Process & Safety Manager.**



MoU Signing:

Following the presentation, a Memorandum of Understanding (**MoU**) was exchanged between CIT, represented by **Dr. M. Thirumarimurugan, Professor & Head, and Dr. D. Prabhakaran, Professor**, and M/s. Jacobi Group, represented by The General Manager **Mr. Sheik Dawood**. The discussion further delved into student internships, students' project, consultancy opportunities and placement perspective.



Mr. Sheik Dawood, GM – Jacobi with Dr.M.Thirumarimurugan, HOD – Chemical & Dr.D.Prabhakaran, Professor- Chemical Engineering CIT for MoU

Site Visit:

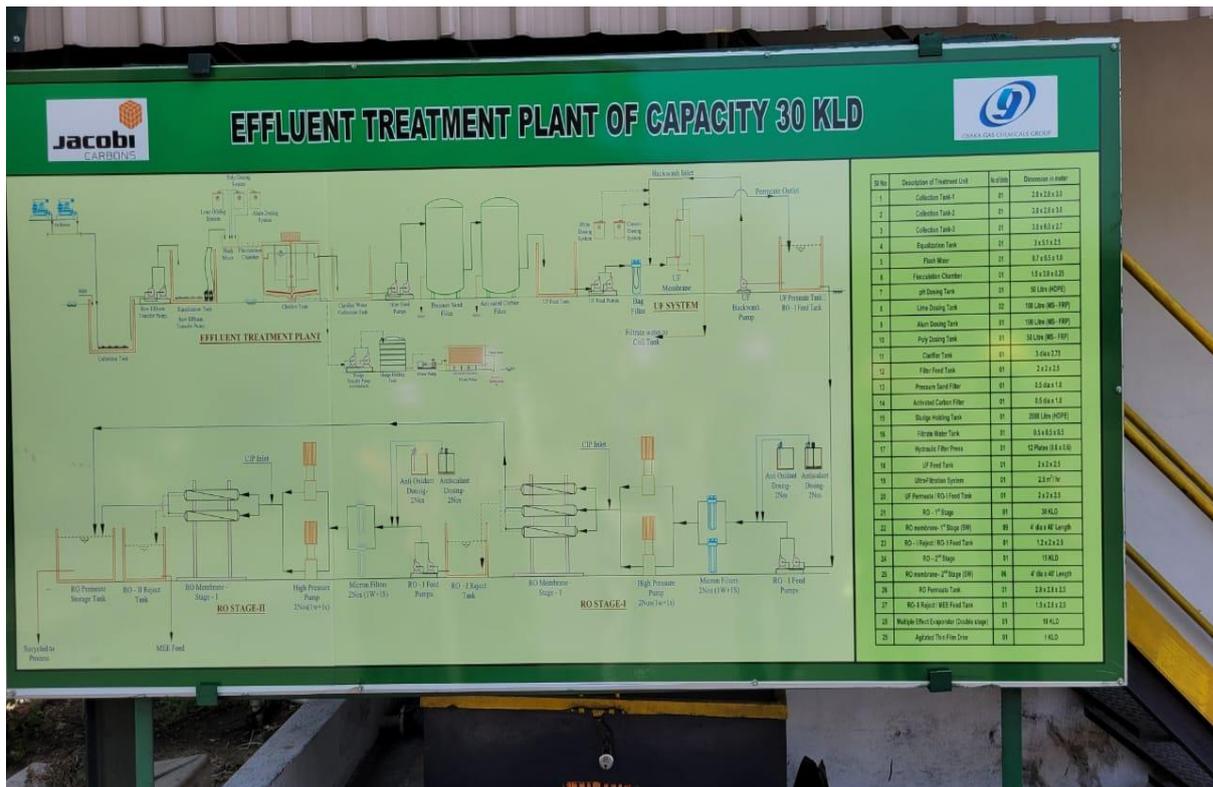
Afterward, the faculty members were divided into two groups and given a guided tour of the manufacturing facilities, where faculty gained in-depth insights into the production processes, equipment involved in the process, process automation, products like Charcoal & Activated Carbons. The effluent treatment plant is operated with zero liquid discharge concepts. The process was explained by Mr.Dhanasekar, ETP Manager, Jacobi Carbons



Charcoal Types



Different grades of Activated Carbon



Process flow diagram of Effluent Treatment Plant at Jacobi Carbons, Pollachi

The visit concluded with a lunch hosted by the industry at 1.00 p.m. Finally, the faculty team thanked the Jacobi Carbon Team and left the Industry at 1.45 p.m.

SESSION – 2

Visit to M/s. Wafe Auxiliary Chemicals Pvt Ltd:

At 2:45p.m., Faculty team of Chemical Engineering reached M/s. Wafe Auxiliary Chemicals Pvt Ltd, located in Ganesapuram, Coimbatore. Management team of WAFE, welcomed our faculty members and was introduced to the company's research and development head Dr.Hema to explain about the initiatives towards development of various products for diverse applications, such as textiles, food, and wastewater treatment process.



MoU Signing:

Meeting with faculty was arranged in a conference hall with Dr.Hema, R & D – Head. MoU was formalized between CIT, represented by **Dr. M. Thirumarimurugan, Professor & Head**, and **Dr. D. Prabhakaran, Professor**, and M/s. Wafe Auxiliary Chemicals Pvt Ltd., Coimbatore.



Site Tour and discussion:

The faculty members were guided through the manufacturing facility at M/s. Wafe Auxiliary Chemicals Pvt Ltd, (both Unit 1 & Unit 2) during which they discussed ongoing research and encountered challenges in one of the product manufacturing processes. Valuable insights were shared, and the faculty members provided recommendations for process modifications to address the issues promptly.



Faculty Team during the Industrial visit to M/s. WAFE auxiliary Chemicals Pvt. Ltd

Finally the visit was concluded with refreshment arranged at M/s. WAFE auxiliary Chemicals Pvt. Ltd at 5.00 p.m.

Summary:

The industrial visit to **Jacobi Carbons India Private Limited** and **M/s. Wafe Auxiliary Chemicals Pvt Ltd** proved to be an invaluable experience for the faculty of Chemical Engineering at CIT. It offered practical exposure to industrial processes and fostered collaboration between the academic and industrial sectors. We express our gratitude to our beloved **Principal, CIT – Dr. A. Rajeswari** for granting permission to undertake a Industrial visit for the faculty of Chemical Engineering, CIT. As well as the **faculty of Chemical Engineering** extend their thankfulness to both companies for their warm reception and the knowledge-sharing opportunity they provided. This visit has laid the foundation for potential partnerships between Department of Chemical Engineering, CIT, Coimbatore especially towards student engagement in real-world industrial projects.