



## Mohamed Sathak College of Arts & Science

Affiliated to University of Madras and Recognized by UGC & AICTE  
Sholinganallur, Chennai 600 119



### Mohamed Sathak-Department of Management Studies (MS-DoMS)

*Creating innovative thinkers and global leaders*

#### Report on Industrial Visit

**Name of the Event:** Industrial Visit

**Conducted by:** MS-DoMS

**Date:** 2<sup>nd</sup> November 2023 - Thursday

**Venue:** CATERPILLAR, Thiruvallur, Tamil Nadu.

**No. of Attendees:** 52 students of MBA 30<sup>th</sup> Batch 2023 – 2025 and  
4 Faculty Members – MS-DoMS

**CAT Management : Mr. Anbu Nedunchezhiyan – General Manager (Factory Head)**

#### **CAT Coordinators:**

Mr. Karthick Rajamani

Ms. Sangeetha Chandran

Mr. Divakar Nallagungala

Ms. Nagasountharya Subramani

Ms. Swetha Ramesh

Mr. Venkataraman Srinivasan

Mr. Sivanesh S

Mohamed Sathak – Department of Management Studies (MS-DoMS) organized an Industrial Visit for MBA students to **Caterpillar Manufacturing facility** at Thiruvallur, Tamil Nadu on November 2<sup>nd</sup>, 2023.

The purpose of the industrial visit is to allow students to interact with industry professionals, familiarize them with the industrial procedures required to enter a facility, experience the working atmosphere in an industry, and envision all of the industry's major departments.

#### **INDUSTRY PROFILE**

**CATERPILLAR**, namely CAT is a 100 year old American MNC. It has a world class manufacturing facility at Thiruvallur, Tamil Nadu India.

**CAT Vision:** Help Customers build a better world. India is a major hub for exports which is more than 80% to over 140 countries. CAT Focuses on 3 Verticals: Mining, Construction & Power Systems with sustainability and keeping its manufacturing systems 4.0 plus pollution free systems.

**CAT** has a wide spectrum product line covering 300 plus products from shoes to space engines.

**CAT Motto** is 'Safety First, Good Quality Always'.

## Visit Description

The students and faculty members were warmly welcomed by the CAT coordinators. All the members were provided with Personal Protective equipment (helmet, goggles and ear plugs) and directed to the food area to have lunch. Post-lunch, the students and the faculty were taken to the conference room for a briefing of the visit. Mr. Divahar, CAT Quality Manager, gave an overview of CAT and explained the purpose of the visit and the agenda to be followed by the team during the visit. He also insisted on the safety procedures of the facility and was happy to share that there has been no safety incident during the past one year inside the facility.

The following were highlighted during the briefing:

- a. Machinery
- b. Axle Assembly
- c. Fabrication
- d. Product Finishing
- e. Assembly
- f. Testing, the plant site has a green belt , with zero pollutants discharge.

The centric approach is on three principles: Customers, Partners and People, this is the guiding light of CAT business management. CAT strongly believes, in operational excellence by 6 sigma Quality systems and engaging in continuous learning.

CAT gains technical competence by following the **5 S** Japanese technique: Sort, Set, Shine, Standardize & Sustain. The CAT production services follow 8 essential parameters:

1. Inventory
2. Waiting,
3. Transportation
4. Over-production
5. Over-processing
6. Unused Creativity
7. Excess Motion,
8. Defects

In addition, the significance of people, quality ,velocity & cost is emphasized in each workstation.

Further, Mr. Divakar introduced Mr. Venkat and Ms. Swetha – CAT Coordinators, who assisted the team during the visit. The team (52 students and 4 faculty members) was split into two groups and taken to the facility.

Mr. Srihari, the floor manager along with Mr. Sivanesh – CAT Coordinator, gave a detailed explanation about the assembly line process, software used in tracking the manufacturing, manpower utilization and the output per day in the Construction Index Assembly line. They also highlighted the workers' standard worksheet and the performance matrix's pictorial display.

The procedure from part assembly to final construction, as well as quality control, was fully illustrated in the OHT (Off highway truck) Assembly line. The performance matrix,

as well as the safety of the people inside the workstation, were given due consideration. the CAT Coordinators were meticulous when explaining the concepts.

The walk-through visit to the shop floor and product gallery was experiential learning for the whole team.

After the visit, the team was permitted to have a question-and-answer session with the CAT Factory Manager Mr. Anbu Chezian. During the discussion with the students, Sir pointed out that the main objective of CAT is to help customers to build a better world. CAT's commitment is sustainability and to help the industry. There are more than 350 plus products from CAT, and they are concentrating on 3 vertical lines (resource industry-mining, construction, and power industry) based on which CAT design their marketing strategy. CAT believes in a long-term relationship with their dealers. In response to a query about CSR initiatives, he stated that CSR activities are carried out globally through the CAT Foundation.

The visit ended with closing comments by Dr. Hemalatha Seeram – Head MS-DoMS.

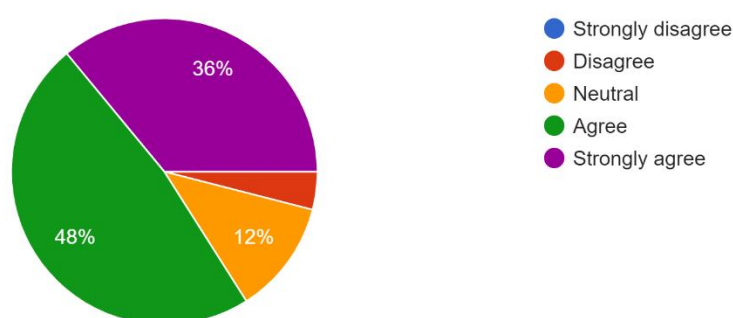
On behalf of MS-DoMS, she extended sincere gratitude to the Management for their constant motivation and care. She was quite grateful for the prompt assistance provided by the CAT Coordinators. She expressed her gratitude to Mr. Anbu for giving the team an opportunity to visit their facility within a very short duration. She mentioned that the department intends to keep this contact with them through internships and future visits.

Hi – Tea with the CAT Coordinators, followed by photo session.

## STUDENT FEEDBACK

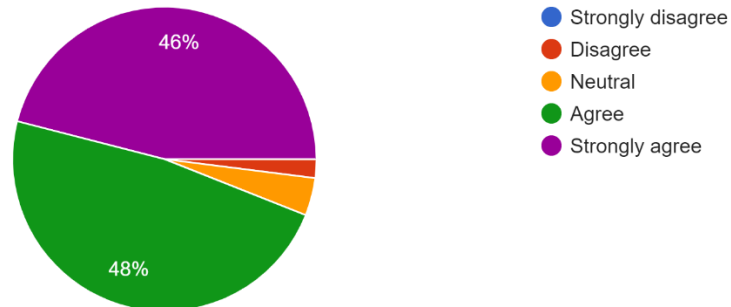
The whole visit was based on a well defined schedule and adherence to the schedule.

50 responses



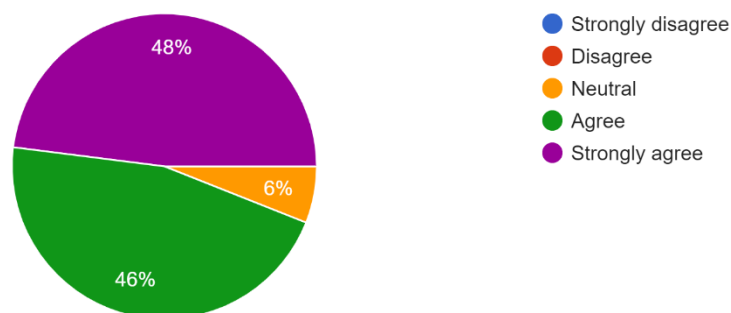
Sufficient information about the operations and practices of the facility during the visit was received.

50 responses



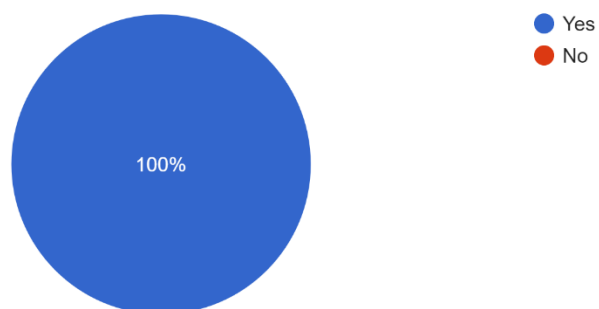
The industrial visit meet your expectations in terms of providing valuable insights and learning experience.

50 responses



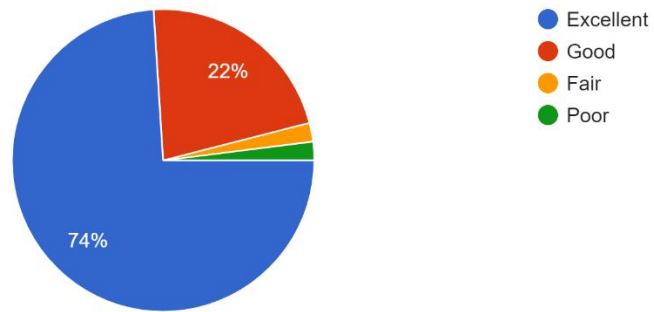
Would you like your department to arrange such industrial visit in the future?

50 responses



How would you rate the overall organization and coordination on the industrial visit?

50 responses



## SNAPSHOTS





