MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(Deemed to be University)
Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2025 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA

A Report on Industrial Outreach Visit to "Daikin Air Conditioning India Pvt. Ltd., Sri City, Andhra Pradesh" On 18.09.2026 (Friday)

Report Submitted by: Dr. S. Baskaran, Head of the Department, Mechanical Engineering
Representatives from MITS:

- **Dr. S. Baskaran, Head of the Department, Mechanical Engineering**
- **Dr. Manavaalan Gunasekaran, Head of the Department, Electrical and Electronics Engineering**

Venue: Daikin Air Conditioning India Pvt. Ltd., Sri City, Andhra Pradesh
Mode of Conduct: Offline
Report Received on 28.09.2026.

1. Introduction

As part of the **Industrial Outreach Program** and with the objective of strengthening **Industry–Institution Collaboration**, the Heads of the Departments of **Mechanical Engineering (ME)** and **Electrical and Electronics Engineering (EEE)** visited **Daikin Air Conditioning India Pvt. Ltd., Sri City, Andhra Pradesh**, on **18.09.2026 (Friday)**.
The visit was organized to establish meaningful interaction with the industry and explore opportunities for **student internships, placements, industrial training, skill development, collaborative projects, faculty interaction, and other academic–industrial activities**.
Daikin Air Conditioning India Pvt. Ltd. is a leading organization in the air-conditioning and HVAC sector. The industrial visit provided valuable exposure to the manufacturing environment, production processes, air-conditioning technologies, and industrial practices followed in a large-scale manufacturing facility.

2. Objectives of the Visit

The major objectives of the industrial outreach visit were:

1. To establish and strengthen **Industry–Institution Interaction** between MITS and Daikin Air Conditioning India Pvt. Ltd.
2. To explore opportunities for **student internships and industrial training**.
3. To understand potential **placement opportunities** for students from Mechanical Engineering and Electrical and Electronics Engineering.
4. To explore opportunities for **industry-oriented training and skill development programs**.
5. To identify avenues for conducting **industrial visits, workshops, technical training, seminars, and expert lectures**.
6. To develop a long-term and mutually beneficial **Industry–Institution collaboration**.

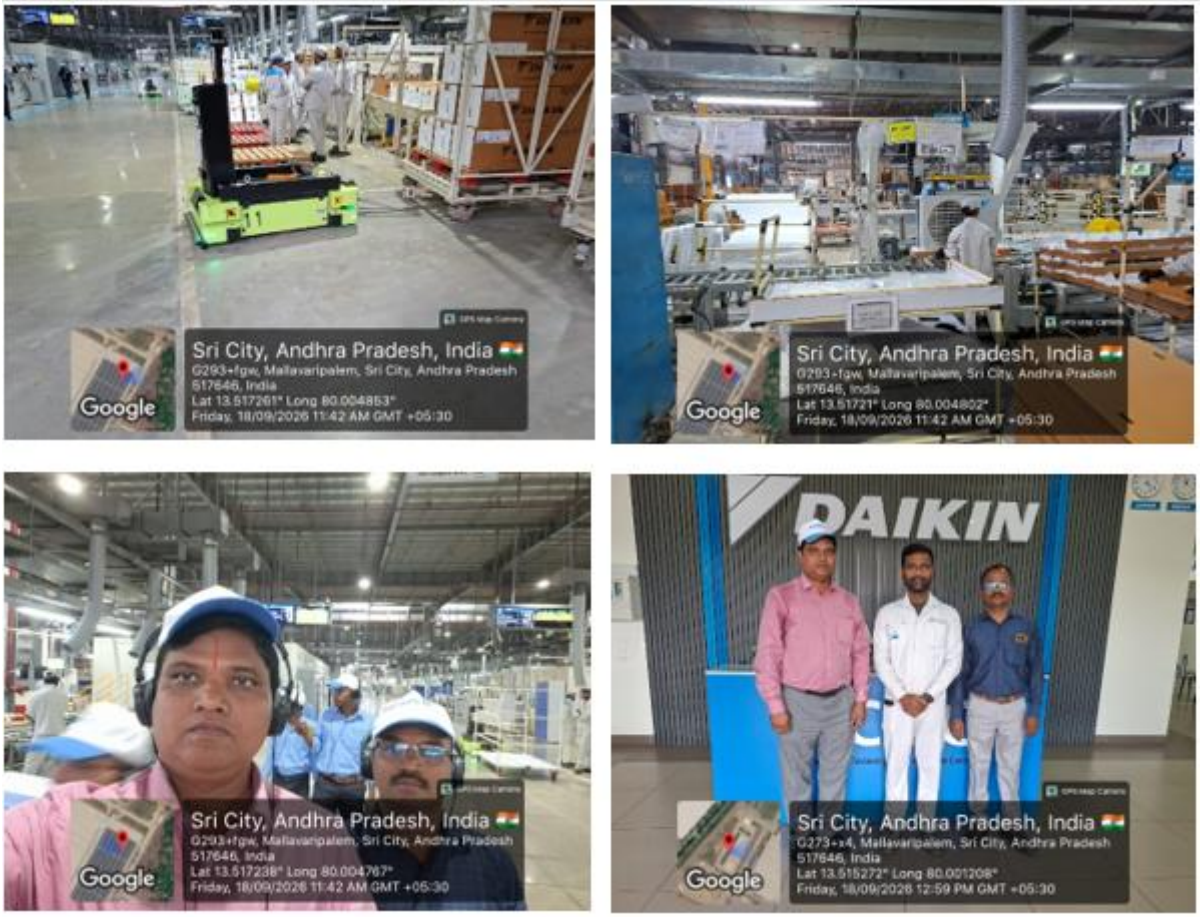
3. Interaction with Daikin Officials

During the visit, the ME HoD and EEE HoD interacted with **Mr. Venkatesh, Daikin ACDC**, and discussed various possibilities for collaboration between **MITS and Daikin Air Conditioning India Pvt. Ltd.**
The discussion primarily focused on creating opportunities for MITS students in the areas of:
Student internships, Industrial training, Placement opportunities, Technical skill development, Expert lectures and technical sessions, Industrial visits.

The interaction was productive and provided a positive platform for exploring opportunities for students to gain practical industrial exposure and develop skills aligned with industry requirements.
The representatives from MITS also highlighted the importance of connecting academic curriculum and engineering education with current industrial practices. The discussion emphasized the mutual benefits of closer interaction between the institution and industry.

4. Plant Visit and Industrial Exposure

Following the interaction, the team visited different manufacturing facilities within the Daikin plant. The visit provided first-hand exposure to industrial manufacturing systems, production practices, assembly processes, and HVAC technologies.



The major facilities/products observed during the plant visit included:

4.1 Device Factory 1

The team visited **Device Factory 1**, where various manufacturing activities associated with air-conditioning systems and related components were observed.

The visit provided an understanding of:

Industrial manufacturing practices, Component production and handling, Assembly-related activities, Quality control practices, Production workflow, Workplace organization, Industrial safety practices, Process-oriented manufacturing.

The exposure helped the visiting faculty understand how engineering principles are translated into large-scale industrial production.

4.2 Finished Product Factory

The team subsequently visited the **Finished Product Factory**, where the manufacturing and assembly of air-conditioning products were observed.

The visit provided valuable insights into the transformation of individual components into finished air-conditioning products through systematic manufacturing and assembly processes.

The following major products/technologies were observed:

a) Variable Refrigerant Volume (VRV) Systems

b) Room Air Conditioners

c) YC Compressor – Swing Technology

5. Opportunities for Industry–Institution Collaboration

Based on the discussions held during the visit, several potential areas for future collaboration were identified.

5.1 Student Internships

Opportunities may be explored for providing **industrial internships** to MITS students in relevant technical and engineering domains.

Internships can provide students with:

Practical industrial exposure, Understanding of manufacturing processes, Experience with industrial standards Exposure to HVAC technologies, Workplace and professional skills

5.2 Placement Opportunities

The interaction also opened avenues for exploring **placement opportunities** for eligible engineering students.

Students with relevant skills in Mechanical Engineering, Electrical and Electronics Engineering, HVAC, manufacturing, automation, design, and allied areas may benefit from future recruitment interactions.

5.3 Industrial Training

Daikin may be explored as a potential industry partner for conducting **technical training programs** for students in areas such as:

HVAC technology, Refrigeration and air conditioning, Manufacturing processes, Quality control, Industrial automation, Energy-efficient systems, Compressor technology

5.4 Faculty–Industry Interaction

Further interaction between faculty members and Daikin technical professionals can be encouraged to understand emerging industrial technologies and incorporate relevant industrial practices into teaching and student projects.

6. Overall Outcome of the Visit

The industrial outreach visit to Daikin Air Conditioning India Pvt. Ltd., Sri City, was **productive and informative**. The interaction with **Mr. Venkatesh, Daikin ACDC**, provided a valuable opportunity to discuss possibilities for **student internships, placements, training, and other Industry–Institution collaborative activities**.

The subsequent plant visit provided practical exposure to **Device Factory 1 and the Finished Product Factory**, including manufacturing and production-related activities associated with **Variable Refrigerant Volume (VRV) systems, Room Air Conditioners, and YC Compressor (Swing) technology**.

The visit enabled the MITS representatives to gain a better understanding of modern HVAC manufacturing practices and the multidisciplinary engineering skills required in the industry.

The interaction has created a positive foundation for exploring a structured and mutually beneficial relationship between **MITS and Daikin Air Conditioning India Pvt. Ltd.** They requested to contact back during December for placement opportunities and training for Feb/Mar in a year.