



ANJUMAN-I-ISLAM'S

KALSEKAR TECHNICAL CAMPUS, NEW PANVEL

Approved by - All India Council for Technical Education, Council of Architecture, Pharmacy Council of India New Delhi.
Recognized by - Directorate of Technical Education, Govt. of Maharashtra, Affiliated to - University of Mumbai

☑ SCHOOL OF ENGINEERING & TECHNOLOGY

☐ SCHOOL OF PHARMACY

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DEPARTMENT OF MECHANICAL ENGINEERING

Report

Sr. No.	Details	Description
1	Type of Event	Industrial Visit
2	Class & Semester	T.E.M.E & VI
3	Course	HVACR
4	Name of Event	Industrial Visit to A.A.Cold Storage and Ice Factory Pvt. Ltd.
5	Date	15-02-2025
6	Venue	D-395, M.I.D.C. Ind. Estate, Next to Indian Oil Terminal, Village Kukshet, Turbhe, Navi Mumbai - 400705
7	Name of Organizer(s) / Coordinator(s)	Prof. Rahul Thavai
8	Name of Resource Person(s)	Mr. Hiten Parekh
9	Name of Association / Society / Centre / Cell etc. under which program is organised	NA
10	No. of Attendees	32
11	Objective(s)	<ol style="list-style-type: none">1. Understand the fundamental principles and methods of refrigeration2. Understand refrigeration cycles3. Understand components of refrigeration systems along with applications.
12	Outcomes	Explore the real time operation & execution of cold storage plants.
13	CO Addressed	<ol style="list-style-type: none">1. Demonstrate fundamental principles of HVAC&R.2. Identify & Locate various components of HVAC&R system.
14	PO Addressed	1 & 2

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15	PSO Addressed	-
16	NAAC Criteria Applicable	1 & 2
17	NBA Criteria Applicable	2
18	Feedback Rating on scale of 3	2.37

19	Description
<p>Introduction</p> <p>As part of Termwork for Lab course HVAC&R, Industrial Visit for students of TEME was scheduled on Saturday, 15 February 2025 at A.A.Cold Storage and Ice Factory Pvt. Ltd. Students were asked to report directly at D-395, M.I.D.C. Ind. Estate, Next to Indian Oil Terminal, Village Kukshet, Turbhe, Navi Mumbai - 400705 at 10.30 am. Prof. Rahul Thavai, Prof. Saad Shaikh & Mr. Ansar Shaikh accompanied students for a visit.</p> <p>About Company</p> <p>Company is in the cold storage business since over 2 decades. Storage capacity is about 8500 metric tones at temperatures varying from 0 to 10 Celsius. Dry Storage facilities are also available in same premises. Unit is established over 5800 sq. meters of area, allocated by the MIDC under permanent R.C.C. structure R.C.C. roof, which facilitates easy loading and unloading of goods even under extreme climatic conditions. Sufficient floor space area facilitates easy movement. There doors have state of the art locking systems and sufficient light points along with uninterrupted electricity supply. The inventory management system is fully computerized providing updates for goods stored i.e. date of arrival and dispatch, nature of goods, quantity, packing, balance, location etc. Round the clock services and availability of labor at any given point in time enable us to meet the customer requirement promptly. Digital temperature display adds to the transparency of our service. Separate rooms for specialty items like vaccines, processed films and fruits with independent temperature control are also provided. The cold storage can accommodate more than ten containers and trucks of various sizes for simultaneous loading and unloading exercise.</p> <p>About Visit</p> <p>The visit to A.A. Cold Storage Pvt. Ltd. commenced at 11:00 AM with an informative session led by a trained professional. We were introduced to the key machinery of the facility, including a detailed explanation of the vapor compression cycle, the role of accumulators, and the various components of the HVAC system. We toured the six cold storage chambers, each maintaining temperatures between 0°C and 10°C. These chambers are crucial for storing food products destined for both export and domestic markets. The visit provided insight into the efficient storage systems used to preserve food items at optimal conditions. The tour continued with a visit to the solar plant control room, where we learned about the company's commitment to sustainability. The plant generates approximately 1.6 megawatt-hours of energy, which is used to power the warehouse's lighting and other essential services, excluding the HVAC system. The company is also planning to</p>	

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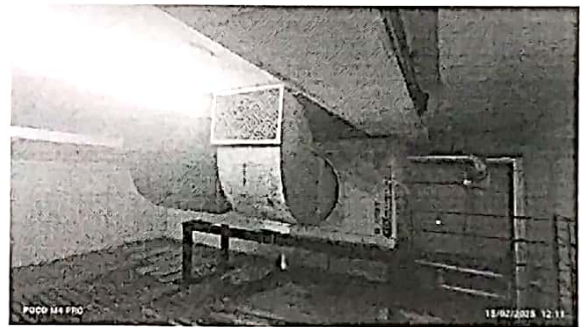
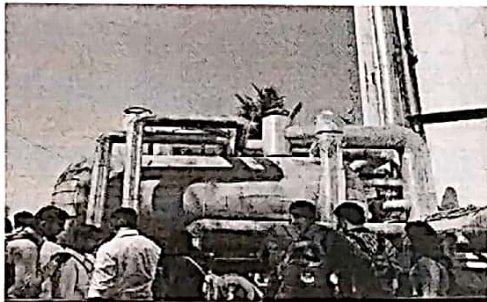
DEPARTMENT OF MECHANICAL ENGINEERING

expand its solar energy capacity to meet future energy demands.

The visit concluded with a stop at the collection and sorting area, where products of the highest quality are sorted for export and for meeting future client demands. We were able to see firsthand the importance placed on quality control and efficient sorting processes. Throughout the day, we gained a deeper understanding of A.A. Cold Storage Pvt. Ltd.'s commitment to sustainability, innovation, and excellent work ethics. The visit concluded at 3:00 PM, and we left with a sense of inspiration, enriched knowledge, and a renewed appreciation for time management and operational efficiency in the industry.

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Geotag Photos(Sessionwise)



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Prof. Rahul Thavai

Organiser

Prof. Javed Kazi

HoD

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Industrial Visit Attendance Sheet**

Name of Industry: A.A.Cold Storage and Ice Factory Pvt. Ltd.

Address: D-395, M.I.D.C. Ind. Estate, Next to Indian Oil Terminal, Village Kukshet, Turbhe, Navi Mumbai - 400705

Class: T.E.M.E

15/02/2025

Course: HVACR(MEL603)

SR. NO.	ROLL NO	NAME OF THE STUDENTS	Entry	Exit
1	22DME05	ATAR ALSA	A.alsa	A.alsa
2	23DME14	BHAJI MOHAMMED AFNAN	Bhaiji	Bhaiji
3	22ME02	BHATKAR ABSAR ISMAIL	ABK	ABK
4	23DME03	CHODHARY MOHAMMED WASEEQ AFTAB ALAM	Waseeq	Waseeq
5	23DME04	DASURKAR ALTAMASH KARIM	Altamash	Altamash
6	23DME15	MOHAMMED AMMAR SHAKIL AHMED FAKIH	AB	AB
7	22DME08	GADKARI DANISH SABIR	Danish	Danish
8	22ME06	GADKARI MOHAMMED AATIB MUSHTAQUE	Aatib	Aatib
9	22ME07	KAZI MOHD QAMAR AZEEMUL HAQ	Kamr	Kamr
10	22DME15	KHAN ABDUL MUKIT	Mukit	Mukit
11	22ME08	KHAN HAFEEZ ABDUL MUNAF	Hafeez	Hafeez
12	23DME06	KHAN MOHAMMED AKIF	Akif	Akif
13	23DME07	KHAN MOHAMMED SAQIB OBEDEU REHAMAN	Saqib	Saqib
14	22ME09	KHAN MOHD ANAS IMTIYAZ KHAN	Anas	Anas
15	23DME08	KHAN MUZAMMIL FIROZ ALAM	Muzamil	Muzamil
16	23DME09	KHAN SAMI SALIM	Sami	Sami
17	23DME10	KHAN TANVEER AHMED MOHAMMED AZAM	Tanveer	Tanveer
18	22ME11	KHAN ZAID MOINUDDIN	Zaid	Zaid
19	23DME12	MALIK ABID KHURSHID	Abid	Abid
20	22ME13	MALIK AHMED RAZA MOHD VAIS	Ahmed	Ahmed
21	22ME15	MEKRANI MOHAMMED YASIN ISHTIYAQ	Yasin	Yasin
22	22DME25	MIRZA RYAN	AB	AB
23	23DME16	MOMIN AHMED JAFAR	Momin	Momin
24	22ME20	SHAIKH ABDUL MANNAN NOAMAN	Mannan	Mannan
25	23DME21	SHAIKH AMAN HUSSAIN AKHTAR HUSSAIN	Aman	Aman
26	23DME11	MAHEBOOB MOHAMMED HUSSAIN SHAIKH	Maheboob	Maheboob
27	22DME48	SHAIKH YUSUF	Yusuf	Yusuf
28	23DME23	SHAIKH NARGIS M MOIN	Nargis	Nargis
29	22ME22	SHAIKH REHAN RIYAZ	Rehan	Rehan
30	22DME56	SHAIKH ZAID	Zaid	Zaid
31	22DME57	SHAIKH ZAKI AHMED	Zaki	Zaki
32	22ME26	TAHWILDAR MUHAMMADSAIF REYAZ	Tahwilder	Tahwilder
33	21ME05	KHAN ASHAR	Ashar	Ashar
34	22DME24	MANSOORI RIYAZ	Riyaz	Riyaz

Name & Signature of Course Owner: Rahul Thawai

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Industrial Visit Undertaking Form Issue & Submission Sheet

Name of Industry: A.A.Cold Storage and Ice Factory Pvt. Ltd.

Address: D-395, M.I.D.C. Ind. Estate, Next to Indian Oil Terminal, Village Kukshet, Turbhe, Navi Mumbai - 400705

Class: T.E.M.E

Course: HVACR(MEL603)

SR. NO.	ROLL NO	NAME OF THE STUDENTS	Issued	Submitted
1	22DME05	ATAR ALSA	✓	✗
2	23DME14	BHAJI MOHAMMED AFNAN	✓	✓
3	22ME02	BHATKAR ABSAR ISMAIL	✓	✓
4	23DME03	CHODHARY MOHAMMED WASEEQ AFTAB ALAM	✓	✓
5	23DME04	DASURKAR ALTAMASH KARIM	✓	✓
6	23DME15	MOHAMMED AMMAR SHAKIL AHMED FAKIH	✓	✓
7	22DME08	GADKARI DANISH SABIR	✓	✓
8	22ME06	GADKARI MOHAMMED AATIB MUSHTAQUE	✓	✓
9	22ME07	KAZI MOHD QAMAR AZEEMUL HAQ	✓	✓
10	22DME15	KHAN ABDUL MUKIT	✓	✓
11	22ME08	KHAN HAFEEZ ABDUL MUNAF	✓	✓
12	23DME06	KHAN MOHAMMED AKIF	✓	✓
13	23DME07	KHAN MOHAMMED SAQIB OBEDU REHAMAN	✓	✓
14	22ME09	KHAN MOHD ANAS IMTIYAZ KHAN	✓	✓
15	23DME08	KHAN MUZAMMIL FIROZ ALAM	✓	✓
16	23DME09	KHAN SAMI SALIM	✓	✓
17	23DME10	KHAN TANVEER AHMED MOHAMMED AZAM	✓	✓
18	22ME11	KHAN ZAID MOINUDDIN	✓	✓
19	23DME12	MALIK ABID KHURSHID	✓	✓
20	22ME13	MALIK AHMED RAZA MOHD VAIS	✓	✓
21	22ME15	MEKRANI MOHAMMED YASIN ISHTIYAAQ	✓	✓
22	22DME25	MIRZA RYAN	✓	✓
23	23DME16	MOMIN AHMED JAFAR	✓	✓
24	22ME20	SHAIKH ABDUL MANNAN NOAMAN	✓	✓
25	23DME21	SHAIKH AMAN HUSSAIN AKHTAR HUSSAIN	✓	✓
26	23DME11	MAHEBOOB MOHAMMED HUSSAIN SHAIKH	✓	✓
27	22DME48	SHAIKH YUSUF	✓	✓
28	23DME23	SHAIKH NARGIS M MOIN	✓	✓
29	22ME22	SHAIKH REHAN RIYAZ	✓	✓
30	22DME56	SHAIKH ZAID	✓	✓
31	22DME57	SHAIKH ZAKI AHMED	✓	✓
32	22ME26	TAHWILDAR MUHAMMADSAIF REYAZ	✓	✓
33	21ME05	KHAN ASHAR	✓	✓
34	22DME24	MANSOORI RIYAZ	✓	✓

Name & Signature of Course Owner: Rahul Thawar

Thawar
15/02/25

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REV: 00

UNDERTAKING FROM PARENT/GUARDIAN AND STUDENT FOR INDUSTRIAL VISIT/TOUR

IIC-14

I, Shagufta Tanvir Attar Aged years, residing Sarvodaya Society, bldg no. 3 Flat no: 203 near park road Kalyan (w) Father/Mother/Guardian of Ms. Aisa Attar studying in **Mechanical Engineering**, semester VI of academic year 2024-25 in School of Engineering & Technology, hereby, give an undertaking as below:

I permit my ward's participation in the Industrial visit to **A. A. Cold Storage and Ice Factory Pvt. Ltd, D-395, M.I.D.C. Ind. Estate, Next to Indian Oil Terminal, Village Kukshet, Turbhe, Navi Mumbai - 400705** scheduled on **15-02-2025 at 10.30 am**

1. The above mentioned tour/visit, though not made compulsory by the Institution, is being joined by my son/daughter with his/her willingness and me & my ward have jointly agreed to the following rules and conditions framed for my ward:
 - a) He/ She will fully cooperate with the organizers for smooth conduct of the visit/tour.
 - b) He/ She will adhere to the schedule fixed by the accompanying faculty members and will not deviate from the same.
 - c) He/ She will maintain decorum at all the times and conduct himself /herself responsibly and will not indulge in any act which may bring disrepute to the institution.
 - d) He /She will not indulge in any act that may be harmful to his/her own safety as well as of the entire group.
 - e) Parents/ relatives/ spouses/ friends are not allowed to accompany student for the visit/tour.
 - f) It is made clear by the authority that consumption of alcohol or any other intoxicant substance is strictly prohibited.
 - g) He/ She will take care of his/her own belongings and valuables.

The above mentioned tour/visit is at my son's/daughter's own risk (of life and property) and the institute management is not liable for any such risks as may be caused by his/her acts during such visits or by any other reason which is beyond control and responsibility of the institution. No claim for any kind of compensation will be accepted.

3. The institute management reserves the right to initiate any disciplinary action against my ward, if during the course of the visit, he/she is found, as individual or in a group, knowingly or unknowingly disobeying or indulging in any activities / offences that will / may bring disrepute to the institution or harm to any person or society.

Student's Signature: <u>A. Attar</u>	Parent's / Guardian's Signature <u>A. Attar</u>
Name: <u>Attar Aisa Tanvir.</u>	
Roll No.: <u>22DME05.</u>	
Department: <u>Mechanical Engineering</u>	Name: <u>Shagufta Attar</u>
Date: <u>13/02/25</u>	Date: <u>13/02/25</u>

CRITERION: 2.2.5

FILE NO: P6B

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Ref.: AIKTC/SoET/ME/ADMIN/2025/

10 January 2025

Office Order

Sub: Industrial Visit : reg...

As part of Termwork for Lab course HVAC&R, Industrial Visit for students of TEME & ISHRAE Student Chapter is scheduled on Saturday, 15 February 2025 at A.A.Cold Storage and Ice Factory Pvt. Ltd. Students have to report directly at D-395, M.I.D.C. Ind. Estate, Next to Indian Oil Terminal, Village Kukshet, Turbhe, Navi Mumbai - 400705 at 10.30 am. Prof. Rahul Thavai, Prof. Saad Shaikh, Mr. Ansar Shaikh & Mr. Faiyaz Khan will accompany students for the same.

Students have to submit an **undertaking form** for the visit & shall report in **formal attire** wearing shoes & college identity card.

It is expected that students will **follow rules and guidelines** issued by the college or company as & when required.

Prof. Rahul Thavai

Course Owner

Prof. Saad Shaikh

Faculty Coordinator
ISHRAE Student Chapter

Prof. Javed Kazi

I/C HoD

- Copy to:
1. Class Coordinator
 2. Departmental Notice Board

For location

<https://maps.app.goo.gl/jqg8wmEZAGXiAi59A>

Or



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