

SANDIP FOUNDATION'S
SANDIP POLYTECHNIC, NASHIK
DEPARTMENT OF MECHANICAL ENGINEERING

Date: 17/01/2018

Name of Event: Industrial Visit to Narang Cold Storage, MIDC Satpur Nashik.

Date of Event: 17/01/2018

Resource Person: Narang Cold Storage, MIDC Satpur Nashik.

Objectives:

1. To observe the working of Vapor Compression System using NH_3 as refrigerant.
2. To understand the process of ICE Cube formation by using Brine solution as secondary refrigerant.

Outcomes:

In the industrial visit at Narang Cold Storage, MIDC Satpur Nashik, students observed the Vapor Compression System using NH_3 as refrigerant. In this refrigeration system centrifugal compressors were used. Ammonia refrigerant was compressed with centrifugal compressors and used to extract the heat of secondary refrigerant. Secondary refrigerant i.e. brine solution was used for formation of ICE.

In cold storage students observed the methods of preserving perishable fruits and vegetables at lower temperature. Students also understood the concept of Dry bulb temperature and Wet bulb temperature.

Participant: TYME Students

Photos:

