

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

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Date: 05/10/2019

**Name of Event:** Industrial Visit to Narang Cold Storage

**Date of Event:** 04/10/2019

**Resource Organization:** Narang Cold Storage M.I.D.C. Satpur

**Objectives:**

1. To observe Working of Vapour Compression cycle using NH<sub>3</sub> as refrigerant.
2. To Understand the process of Ice Cube formation by using Brine solution.

**Outcomes:**

In this visit, students observed the Vapour Compression System using NH<sub>3</sub> as refrigerant. In this system centrifugal compressor is used. Ammonia refrigerant is compressed with centrifugal compression and is used to extract heat of secondary refrigerant i.e. Brine.

In the cold storage students observed the methods of preserving perishable fruits, vegetables and farmers products at lower temperature. Student also understood concept of Dry Bulb & Wet Bulb Temperatures.

**Participant:** TYME-Students-

**Photos:**

