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## **DEPARTMENT OF MECHANICAL ENGINEERING**

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### ***Report of Industrial Visit to “Gadre Marine Export PVT. LTD. And Naik Cold Storage, Ratnagiri.”***

Department of Mechanical Engineering organized 01 day Industrial Visit on Saturday, 19<sup>th</sup> March 2016. The Visit was arranged for final year mechanical student's only. Total 55 students have taken part in the Industrial visit. The visit was at Gadre Marine Export PVT. LTD. MIDC, Mirjole Block, Ratnagiri and Naik cold storage, Ratnagiri.

#### **About Gadre Marine Export PVT. LTD.:-**

Company was established in 1978. Gadre Marine has factories at 4 locations spread across Maharashtra, Karnataka and Gujarat. This is leading marine product exporting company in India.

#### **Facilities at Ratnagiri Mirjole-MIDC factory include:**

1. Surimi plant
2. Crab stick and value added products plant
3. Fish oil processing plant
4. Cosmetics plant
5. Effluent processing plant
6. Cold storage facilities
7. Research and development laboratories
8. Quality control and chemical analysis labs
9. Packaged frozen fish plant
10. Production capacity - 60 MT/Day
11. Flake ice capacity - 35 MT/Day
12. Freezers - 2 Trolley freezers with a capacity of 30 MT/Day each
13. Cold storage - 60 MT/Day

In this visit students have gain knowledge about refrigeration and air conditioning subject. Cold storage and processes also security and maintenance of machines. The few points from the visit are as follows

- The details about basic Vapour compression refrigeration cycle
- Actual Vapour compression refrigeration cycle.
- Different types of compressor used for refrigeration.
- Control system used for refrigeration and air- conditioning plants.
- Details of different refrigerants used in the industrial applications
- Details of ice manufacturing plant
- Maintenance and safety precautions taken during hazardous and accidental conditions.



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