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**SarvajaniK University
SarvajaniK College of Engineering & Technology, Surat**

A report

on

Visit to

M/s SUMUL DAIRY Surat.

(For students of BE II SEM III)

on

11/10/2022

Shree Dhanshukhlal Thakordas

**Department of Chemical Engineering
SarvajaniK College of Engineering & Technology,
Dr. R. K. Desai Marg, Athwalines, Surat- 395001**

- **Objectives of the visit:** To make the students understand different unit operation associated with dairy industries.

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|-------------------------|---|
| Resource Person: | Bhupendra B. Desai |
| Venue: | Sumul Dairy, Near Railway Station, P.O. Box 501, Surat - 395 008. |
| Date and Time: | 11/10/2022 9:30 am onwards |
| Participants: | BE II SEM III Students |
| Faculty | Prof. Rashmita Patel |
| Coordinator | |

➤ **Summary:**

The Sumul Dairy is located near Surat railway station. It is a milk processing facility having approx. 64, 88, 83,629 kilogram per year capacity. They are manufacturing other dairy products also. Even they are producing sweets and bakery products also.

A visit to the Sumul Dairy was organized by Department of Chemical Engineering SCET on 11/10/2022 for students of BE II Semester III 09:30 am onwards. Prof. Srujal Rana and Prof Anand Upadhyay had accompanied the students.

The noteworthy aspect was that the entire batch of students was divided into small groups of 5-7 members and was led around all the facilities in parallel by concerned staff who tried their best to explain and resolve all queries too. Industry personnel had explained various processes which are implemented for Dairy industries. Some of them are homogenization, filtration, clarification, pasteurization, etc. They also explained the effluent treatment plant (ETP) which includes different stages such as primary treatment, secondary treatment/ anaerobic treatment etc.

During visit, Students came across and understood all this process and various units used for the same e.g. homogenization, filtration, clarification, pasteurization and also understood different types of pump and valves such as centrifugal pump, piston pump, butterfly valve, Non return valve.

➤ GLIMPSES OF THE VISIT:





Acknowledgements

The Chemical Engineering Department, SCET would like to acknowledge, the following for making this visit possible.

- **Managing trustees and office bearers of the Sarvajani University**
- **Prof. (Dr.) Hiren Patel, Principal, SCET**
- **Dr. Vaishali Umrigar, Head, Chemical Engineering Department**

-Compiled by:

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